



UNITED STATES ARMY CORPS OF ENGINEERS (USACE)

APPLICATION FOR A
INDIVIDUAL PERMIT

FOR
MAINTENANCE DREDGING

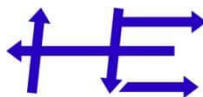
AT THE
LEWES FERRY TERMINAL - SUSSEX COUNTY

43 CAPE HENLOPEN DRIVE
LEWES, DELAWARE 19958
PREPARED FOR



DELAWARE RIVER AND BAY AUTHORITY

INTERSTATE 295 & DELAWARE MEMORIAL BRIDGE PLAZA
P.O. BOX 71
NEW CASTLE, DELAWARE 19720



S. T. HUDSON ENGINEERS, INC.

900 DUDLEY AVENUE
CHERRY HILL, NEW JERSEY 08002
PHONE (856) 342-6600 FAX (856) 342-8323
www.sthe.com



S.T. HUDSON ENGINEERS, INC.
Professional Engineers and Consultants

September 14, 2026

U.S. Army Corps of Engineers
1650 Arch Street
Philadelphia, PA 19103-2004

Attention: Ms. Genevieve T. Sarlo
Biologist, Regulatory Branch

Reference: Delaware River & Bay Authority (DRBA) Maintenance Dredging

Subject: Application for an Individual Maintenance Dredging Permit
Lewes Ferry Terminal – Lewes, DE

Dear Ms. Sarlo:

S. T. Hudson Engineers, Inc. has been retained by Delaware River & Bay Authority to assist them in obtaining the necessary approvals to perform maintenance dredging at their facility located along Delaware Bay in Lewes, DE.

The dredge material will be disposed of at White's Basin in Logan Township, New Jersey. We are currently awaiting material acceptance letter from Weeks Marine, which will be provided once received.

Should you have any questions concerning this application, please do not hesitate to contact me at (856) 342-6600 or via email at cmueller@sthe.com.

Sincerely,

Clare Mueller

Clare Mueller
Environmental Specialist

CMM/mle
Attachments

26-073

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SECTION 1

**PROJECT DESCRIPTION,
LOCATION PLANS,
AERIAL PHOTOGRAPH**

26-073

USACE – LEWES FERRY TERMINAL
SEPTEMBER 2026

SECTION 1

PROJECT DESCRIPTION

Maintenance Dredging

Delaware River and Bay Authority (DRBA) proposes to perform maintenance dredging along their berths area at the Lewes Ferry Terminal located in Lewes, DE.

Dredge Depth

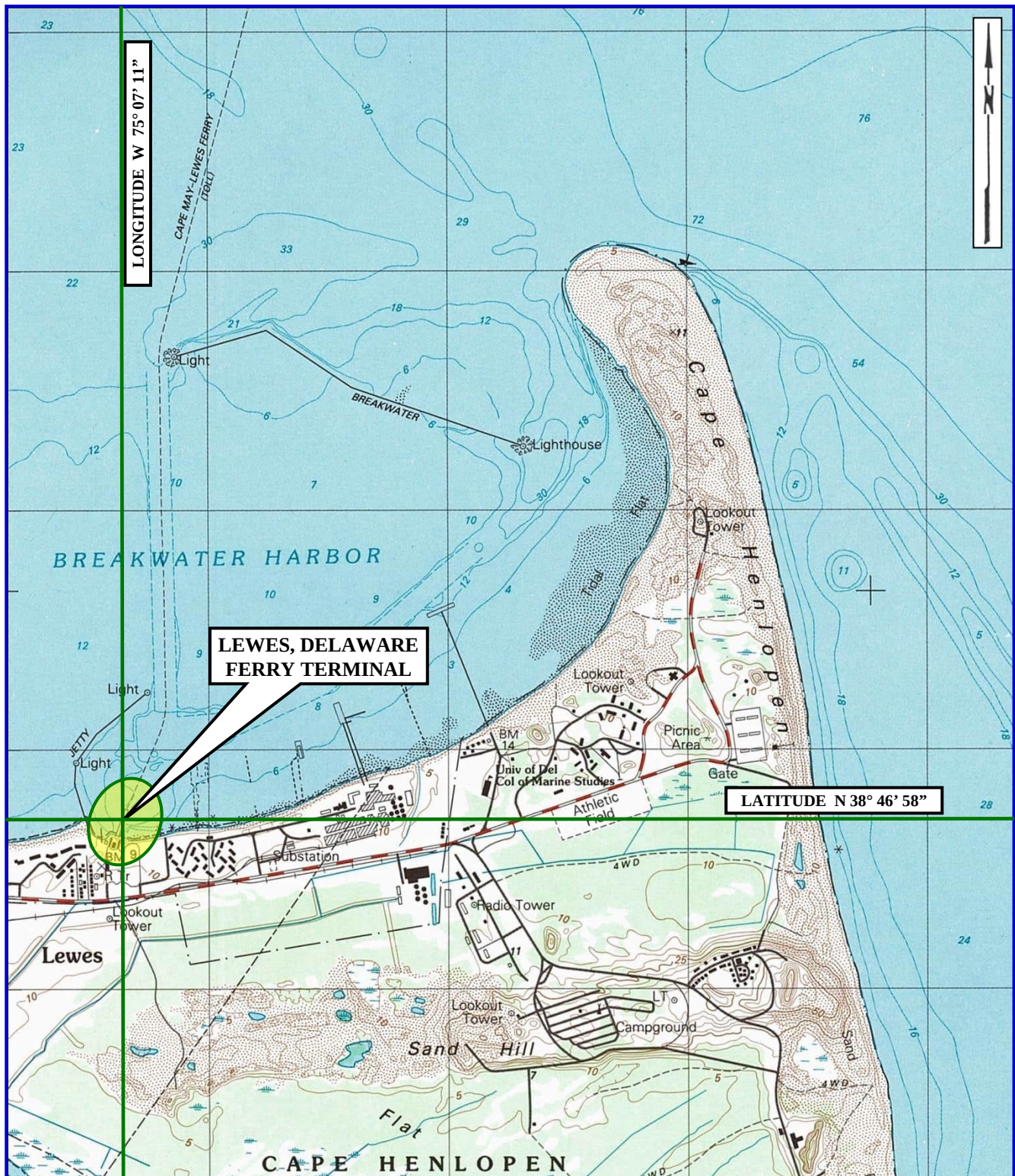
-11.0 ft Mean Low Water + 1 ft of overdredge & -8.0 ft MLW +1.0 ft of overdredge

Volume of Material Proposed for Removal: Approx. 50,945 yd³

Total Dredge Area: 416,137 SF

The maintenance dredging will be performed by mechanical means. The dredge material will be disposed of at Whites Basin in Logan Township, NJ.

DRBA received an approved Soil Sampling and Analysis Plan (SSAP) from NJDEP on June 4, 2026. Hudson collected and analyzed eight (8) sediment core samples from the dredge area. A copy of the Dredged Material Characterization Report from Eurofins Laboratory is included in Appendix C.



PROJECT SITE LOCATION MAP

UNITED STATES GEOLOGIC SURVEY QUADRANGLE

CAPE HENLOPEN, DE

SCALE 1:24000





SITE PHOTOGRAPH: AERIAL PHOTO OF CAPE MAY- LEWES FERRY TERMINAL LEWES, DE.

SECTION 2

**CORE LOGS,
CORE PHOTOGRAPHS
&
CHAIN OF CUSTODY**

26-073

USACE – LEWES FERRY TERMINAL
SEPTEMBER 2026

S. T. Hudson Engineers, Inc.

SEDIMENT CORE LOG

Client: DRBA	Project: Lewes ferry Terminal	Logger: Clare Mueller
Job #: 26-073	Date: 6/10/26	Time: 11:15
Coordinates: 741272.07,285325.08		
CORE #: C-1		Datum: MLW
Project Depth: -11.0 ft (inc. ft. over dredge): +1.0 ft		Core Penetration Length (ft.): 8.0 ft
Existing Depth @ MLW: 4.00 ft		Recovered Core Length (ft.): 8.0 ft
Required Sample Core Length: 8.0 ft		Sample Length Retained (ft.): 8.0 ft
		Collected to Project Depth: <u>Y</u> N

All Length Measurements are in Decimal Feet

<u>Sample Interval (ft.)</u>		<u>Description</u>
-4.00 ft mlw	TOP 0.0 ft	
		Black silt, consistent through out. Firm material.
-12.00 ft mlw	8.0 ft mlw	
BOTTOM		

Comments:

S. T. Hudson Engineers, Inc.

SEDIMENT CORE LOG

Client: DRBA	Project: Lewes Ferry Terminal	Logger: Clare Mueller
Job #: 26-073	Date: 6/10/26	Time: 11:32
Coordinates: 741405.65,285499.67		
CORE #: C-2		Datum: MLW
Project Depth -11.0 ft (inc. ft. over dredge): +1.0 ft		Core Penetration Length (ft.): 6.0 ft
Existing Depth @ MLW: -6.20 ft		Recovered Core Length (ft.): 6.0 ft
Required Sample Core Length: 5.8 ft		Sample Length Retained (ft.): 6.0 ft
		Collected to Project Depth: <u>Y</u> N

All Length Measurements are in Decimal Feet

Sample Interval (ft.)		Description
TOP -6.20 ft mlw 0.0 ft		
		Black silt, consistent throughout. Firm material.
-12.2 ft mlw 6.0 ft BOTTOM		

Comments:

S. T. Hudson Engineers, Inc.**SEDIMENT CORE LOG**

Client: DRBA	Project: Lewes Ferry Terminal	Logger: Clare Mueller
Job #: 26-073	Date: 6/10/26	Time: 1:41
Coordinates: 741345.28,285875.34		
CORE #: C-3		Datum: MLW
Project Depth -11.0 ft (inc. ft. over dredge): +1.0 ft		Core Penetration Length (ft.): 3.0 ft
Existing Depth @ MLW: -9.30 ft		Recovered Core Length (ft.): 3.0 ft
Required Sample Core Length: 2.70 ft		Sample Length Retained (ft.) 3.0 ft
		Collected to Project Depth: <u>Y</u> N

All Length Measurements are in Decimal Feet

<u>Sample Interval (ft.)</u>		<u>Description</u>
TOP -9.30 ft mlw 0.0 ft		
		Soft silt, consistent throughout. Slight odor.
-12.30 ft mlw 3.0 ft BOTTOM		

S. T. Hudson Engineers, Inc.

SEDIMENT CORE LOG

Client: DRBA	Project: Lewes Ferry Terminal	Logger: Clare Mueller
Job #: 26-073	Date: 6/10/2026	Time: 12:34
Coordinates: 740712.27,285292.25		
CORE #: C-4		Datum: MLW
Project Depth: -8.0 ft (inc. ft. over dredge): +1.0 ft		Core Penetration Length (ft.): 4.5 ft
Existing Depth @ MLW: -4.80 ft		Recovered Core Length (ft.): 4.5 ft
Required Sample Core Length: 4.20 ft		Sample Length Retained (ft.) 4.5 ft
		Collected to Project Depth <u>Y</u> N

All Length Measurements are in Decimal Feet

Sample Interval (ft.)		Description
TOP		
-4.80 ft mlw	0.0 ft	
		Soft silt, consistent throughout. Slight odor.
- 9.3 ft mlw	4.5 ft	
BOTTOM		

S. T. Hudson Engineers, Inc.

SEDIMENT CORE LOG

Client: DRBA	Project: Lewes ferry terminal	Logger: Clare Mueller
Job #: 26-073	Date: 6/10/2026	Time: 1:21
Coordinates: 740949.77,286081.56		
CORE #: C-5		Datum: MLW
Project Depth: -11.0 ft (inc. ft. over dredge): +1.0 ft		Core Penetration Length (ft.): 6.6 ft
Existing Depth @ MLW: -5.40 ft		Recovered Core Length (ft.): 6.6 ft
Required Sample Core Length: 6.60 ft		Sample Length Retained (ft.) 6.6 ft
		Collected to Project Depth: <u>Y</u> N

All Length Measurements are in Decimal Feet

<u>Sample Interval (ft.)</u>		<u>Description</u>
TOP -5.40 ft mlw 0.0 ft		
		Soft silt, consistent throughout. Slight odor.
-12.0 ft mlw 6.6 ft BOTTOM		

S. T. Hudson Engineers, Inc.

SEDIMENT CORE LOG

Client: DRBA	Project: Lewes Ferry Terminal	Logger: Clare Mueller
Job #: 26-073	Date: 6/10/2026	Time: 11:07
Coordinates: 741119.30,286337.61		
CORE #: C-6		Datum: MLW
Project Depth: -11.0 ft (inc. ft. over dredge): +1.0 ft		Core Penetration Length (ft.): 4.5 ft
Existing Depth @ MLW: -7.50 ft		Recovered Core Length (ft.): 4.5 ft
Required Sample Core Length: 4.50 ft		Sample Length Retained (ft.): 4.5 ft
		Collected to Project Depth: <u>Y</u> N

All Length Measurements are in Decimal Feet

<u>Sample Interval (ft.)</u>		<u>Description</u>
TOP -7.50 ft mlw 0.0 ft		
		Firm silt, consistent throughout.
-12.0 ft mlw 4.5 ft BOTTOM		

S. T. Hudson Engineers, Inc.

SEDIMENT CORE LOG

Client: DRBA	Project: Lewes Ferry Terminal	Logger: Clare Mueller
Job #: 26-073	Date: 6/10/2026	Time: 12:39
Coordinates: 741110.58,285701.48		
CORE # C-7		Datum: MLW
Project Depth: -11.0 ft (inc. ft. over dredge): +1.0 ft	Core Penetration Length (ft.): 6.5 ft	
Existing Depth @ MLW: -7.50 ft	Recovered Core Length (ft.): 6.5 ft	
Required Sample Core Length: 4.50 ft	Sample Length Retained (ft.): 6.5 ft	
	Collected to Project Depth <u>Y</u> N	

All Length Measurements are in Decimal Feet

<u>Sample Interval (ft.)</u>		<u>Description</u>
TOP -7.50 ft mlw 0.0 ft		
		Firm silt, consistent throughout.
-12.0 ft mlw 6.5 ft BOTTOM		

S. T. Hudson Engineers, Inc.

SEDIMENT CORE LOG

Client: DRBA	Project: Lewes Ferry Terminal	Logger: Clare Mueller
Job #: 26-073	Date: 6/10/2026	Time: 1:13
Coordinates: 740988.00,285854.44		
CORE # C-8		Datum: MLW
Project Depth: -11.0 ft (inc. ft. over dredge): +1.0 ft		Core Penetration Length (ft.): 7.0 ft
Existing Depth @ MLW: -6.90 ft		Recovered Core Length (ft.): 7.0 ft
Required Sample Core Length: 5.10 ft		Sample Length Retained (ft.): 7.0 ft
		Collected to Project Depth <u>Y</u> N

All Length Measurements are in Decimal Feet

Sample Interval (ft.)		Description
TOP -6.90 ft mlw 0.0 ft		
		Firm silt, consistent throughout.
-13.9 ft mlw 6.5 ft BOTTOM		

LEWES FERRY TERMINAL



PHOTO No. 1: C-1 8.0 FT REQUIRED.



PHOTO No. 2: C-2 5.8 FT REQUIRED.

LEWES FERRY TERMINAL



PHOTO No. 3: C-3 REQUIRED 2.7 FT.

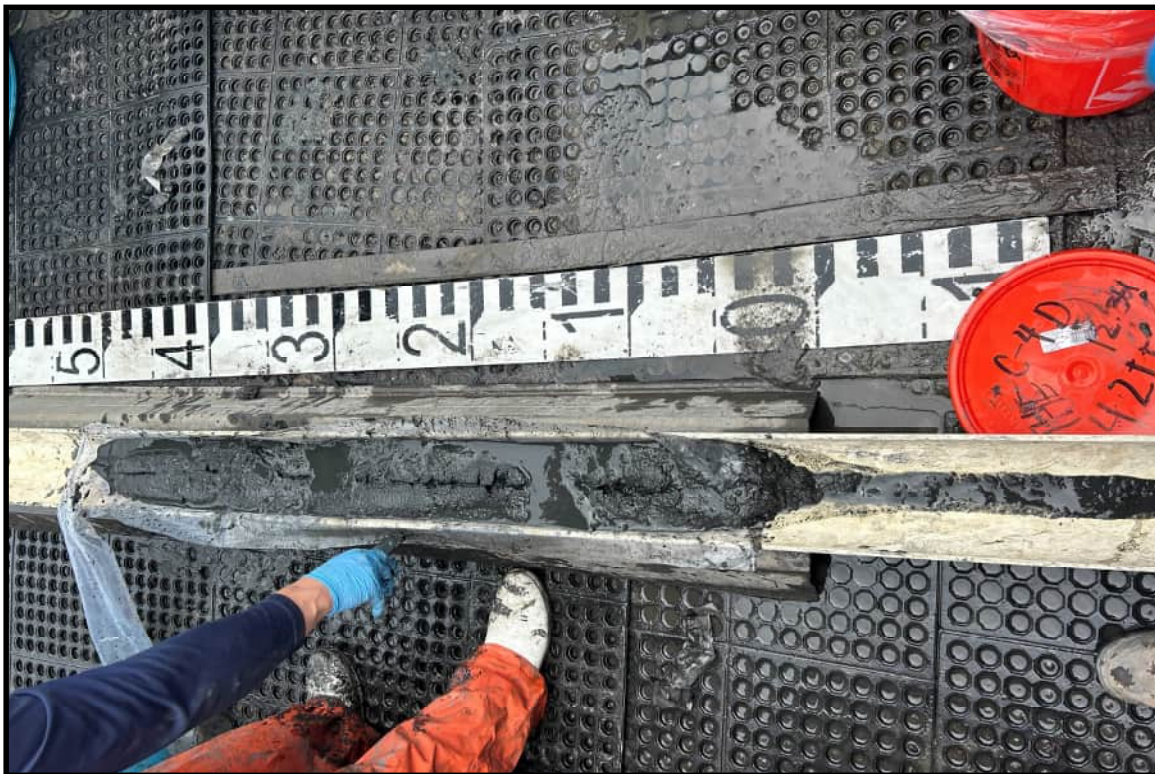


PHOTO No. 4: C-4 DISCRETE 4.2 FT REQUIRED.

LEWES FERRY TERMINAL



Photo No. 5: C-5 REQUIRED 6.6 FT.



PHOTO No. 6: C-6 4.5 FT REQUIRED.

LEWES FERRY TERMINAL



PHOTO No. 7: C-7 4.5 FT REQUIRED.



PHOTO No. 8: C-8 5.1 FT REQUIRED.

PITT CR2 Floor 30BB
Chain of Custody

Chain of Custody Record

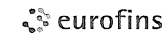


Client Information (Sub Contract Lab)						Lab PM Dougherty, Erin			Carrier Tracking No(s) N/A			COC No 630-22227.1																							
Client Contact: Shipping/Receiving						Phone N/A			E-Mail Erin.Dougherty@et.eurofinsus.com			State of Origin New Jersey			Page Page 1 of 6																				
Company: Eurofins Environment Testing Northeast L									Accreditations Required (See note) NELAP - New Jersey						Job #: 630-138167-1																				
Address 301 Alpha Drive, RIDC Park,						Due Date Requested: 7/14/2026			Analysis Requested							Preservation Codes:																			
City: Pittsburgh						TAT Requested (days): N/A			Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	MoistureTotal Solids, % Moisture	Lloyd_Kahn_ModLloyd Kahn, TOC	8270E_LL3541_LL(MOD) 8270 Semivolatiles	8081B_LL3541_LL(MOD) 8081 Pesticides	8082A_LL3541_LL3541_LL3541 PCBs	Total_PCBTotal PCB Calculation	9014/9010CCyanide	MoisturePercent Moisture	SED_METModified Elutriate Test Technique	SED_MET_DissModified Elutriate Test Technique, Diss	SED_3ET_DissStandard Elutriate Test, Dissolved	8270E_LL3520C_LVI_LL(MOD) 8270 Semivolatiles	8081B_LL3510C_LL(MOD) 8081 Pesticides	Total Number of containers	Other: N/A										
State, Zip PA, 15238																																			
Phone 412-963-7058(Tel) 412-963-2468(Fax)						PO # N/A																													
Email N/A						WO # N/A																													
Project Name ST Hudson - DRBA Lewes Ferry Terminal						Project # 63010512																													
Site N/A						SSOW# N/A																													
Sample Identification - Client ID (Lab ID)						Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air)																							
										Preservation Code:																									
C-1 (630-138167-1)						6/10/26		11 15 Eastern		G		Sediment																							
C-2 (630-138167-3)						6/10/26		11.52 Eastern		G		Sediment																							
C-3 (630-138167-5)						6/10/26		13 41 Eastern		G		Sediment																							
C-4 DISCRETE (630-138167-7)						6/10/26		12 34 Eastern		G		Sediment																							
C-5 (630-138167-9)						6/10/26		13 26 Eastern		G		Sediment																							
C-6 (630-138167-11)						6/10/26		10 56 Eastern		G		Sediment																							
C-7 (630-138167-13)						6/10/26		12 39 Eastern		G		Sediment																							
C-8 (630-138167-15)						6/10/26		13 13 Eastern		G		Sediment																							
SC-1 COMPOSITE (C1+C2) (630-138167-17)						6/16/26		11.10 Eastern		G		Sediment																							
Note: Since laboratory accreditations are subject to change, Eurofins Drinking Water and Wastewater Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Drinking Water and Wastewater Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Drinking Water and Wastewater Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Drinking Water and Wastewater Northeast, LLC.																																			
Possible Hazard Identification												Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																							
Unconfirmed												☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months																							
Deliverable Requested I, II, III, IV, Other (specify)												Primary Deliverable Rank 2																							
												Special Instructions/QC Requirements																							
Empty Kit Relinquished by:						Date						Time						Method of Shipment:																	
Relinquished by: [Signature]						Date/Time 6/17/26 1425						Company [Signature]						Received by: [Signature]						Date/Time 6-18-26 0935						Company [Signature]					
Relinquished by:						Date/Time						Company						Received by:						Date/Time						Company					
Relinquished by:						Date/Time						Company						Received by:						Date/Time						Company					
Custody Seals Intact: Δ Yes Δ No						Custody Seal No.:						Cooler Temperature(s) °C and Other Remarks:																							

Eurofins Philadelphia

795 Horsham Road
Horsham, PA 19044-0962
Phone 215-355-3900

Chain of Custody Record



Environment Testing

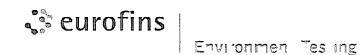
Client Information (Sub Contract Lab)				Sampler: N/A		Lab PM Dougherty, Erin				Carrier Tracking No(s) N/A				COC No 630-22227 2			
Client Contact: Shipping/Receiving				Phone N/A		E-Mail Erin.Dougherty@et.eurofinsus.com				State of Origin New Jersey				Page Page 2 of 6			
Company Eurofins Environment Testing Northeast L						Accreditations Required (See note) NELAP - New Jersey						Job # 630-138167-1					
Address 301 Alpha Drive, RIDC Park,				Due Date Requested: 7/14/2026		Analysis Requested								Preservation Codes: -			
City Pittsburgh		TAT Requested (days): N/A															
State, Zip PA, 15238		PO #: N/A															
Phone 412-963-7058(Tel) 412-963-2468(Fax)		WO #: N/A															
Email N/A		Project #: 63010512															
Project Name ST Hudson - DRBA Lewes Ferry Terminal				SSOW# N/A		Total Number of containers								Other: N/A			
Site N/A																	
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers		Special Instructions/Note:	
C-1 (630-138167-1)		6/10/26		11 15 Eastern		G		Sediment						1			
C-2 (630-138167-3)		6/10/26		11 52 Eastern		G		Sediment						1			
C-3 (630-138167-5)		6/10/26		13 41 Eastern		G		Sediment						1			
C-4 DISCRETE (630-138167-7)		6/10/26		12 34 Eastern		G		Sediment						4			
C-5 (630-138167-9)		6/10/26		13 26 Eastern		G		Sediment						1			
C-6 (630-138167-11)		6/10/26		10 56 Eastern		G		Sediment						1			
C-7 (630-138167-13)		6/10/26		12 39 Eastern		G		Sediment						1			
C-8 (630-138167-15)		6/10/26		13 13 Eastern		G		Sediment						1			
SC-1 COMPOSITE (C1+C2) (630-138167-17)		6/16/26		11 10 Eastern		G		Sediment						4			
Note: Since laboratory accreditations are subject to change, Eurofins Drinking Water and Wastewater Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Drinking Water and Wastewater Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Drinking Water and Wastewater Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Drinking Water and Wastewater Northeast, LLC.																	
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
Unconfirmed										☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months							
Deliverable Requested I, II, III, IV, Other (specify)										Primary Deliverable Rank 2				Special Instructions/QC Requirements			
Empty Kit Relinquished by				Date		Time				Method of Shipment:							
Relinquished by:				Date/Time: 6/10/26 1425		Company:				Date/Time: 6-18-26 140935				Company:			
Relinquished by:				Date/Time:		Company:				Received by:				Date/Time:			
Relinquished by:				Date/Time:		Company:				Received by:				Date/Time:			
Custody Seals Intact: Δ Yes Δ No				Custody Seal No.:						Cooler Temperature(s) °C and Other Remarks							

Ver 03/20/2026

Eurofins Philadelphia

795 Horsham Road
Horsham, PA 19044-0962
Phone 215-355-3900

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM Dougherty, Erin		Carrier Tracking No(s) N/A		COC No 630-22227 3			
Client Contact: Shipping/Receiving		Phone N/A		E-Mail Erin.Dougherty@et.eurofins.com		State of Origin New Jersey		Page Page 3 of 6			
Company: Eurofins Environment Testing Northeast L				Accreditations Required (See note) NELAP - New Jersey				Job # 630-138167-1			
Address 301 Alpha Drive, RIDC Park,		Due Date Requested: 7/14/2026		Analysis Requested						Preservation Codes: -	
City Pittsburgh		TAT Requested (days): N/A									
State, Zip PA, 15238		PO #: N/A		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) Moisture Total Solids, % Moisture Lloyd_Kahn_Mod/Lloyd_Kahn, TOC 8270E_LL/3541_LL(MOD) 8270 Semivolatiles 8081B_LL/3541_LL(MOD) 8081 Pesticides 8082A_LL/3541_LL(MOD) 8082 PCBs Total_PCB Total PCB Calculation 9014/9010 Cyanide Moisture Percent Moisture SED_MET/Modified Elutriate Test Technique SED_MET_Diss/Modified Elutriate Test Technique, Diss SED_SET_Diss/Standard Elutriate Test, Dissolved 8270E_LL/3520C_LL/LL(MOD) 8270 Semivolatiles 8081B_LL/3510C_LL(MOD) 8081 Pesticides Total Number of containers		Other: N/A		Special Instructions/Note:			
Phone 412-963-7058(Tel) 412-963-2468(Fax)		WO #: N/A									
Email N/A		Project #: 63010512									
Project Name ST Hudson - DRBA Lewes Ferry Terminal		SSOW #: N/A									
Site N/A											
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Preservation Code:	
SC-2 COMPOSITE (C3+C7) (630-138167-19)		6/16/26		11 48 Eastern		G		Sediment		4	
SC-3 COMPOSITE (C5+C6+C8) (630-138167-21)		6/16/26		12 16 Eastern		G		Sediment		4	
SC-1 COMPOSITE ELUTRIATE (630-138167-23)		6/16/26		11 10 Eastern		G		Sediment		1	
SC-1 COMPOSITE ELUTRIATE (630-138167-24)		6/16/26		11 10 Eastern		G		Water		1	
SC-2 COMPOSITE ELUTRIATE (630-138167-25)		6/16/26		11 48 Eastern		G		Sediment		1	
SC-2 COMPOSITE ELUTRIATE (630-138167-26)		6/16/26		11 48 Eastern		G		Water		1	
SC-3 COMPOSITE ELUTRIATE (630-138167-27)		6/16/26		12 16 Eastern		G		Sediment		1	
SC-3 COMPOSITE ELUTRIATE (630-138167-28)		6/16/26		12 16 Eastern		G		Water		1	
C-4 DISCRETE ELUTRIATE (630-138167-29)		6/10/26		12 34 Eastern		G		Sediment		1	
Note: Since laboratory accreditations are subject to change, Eurofins Drinking Water and Wastewater Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Drinking Water and Wastewater Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Drinking Water and Wastewater Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Drinking Water and Wastewater Northeast, LLC.											
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
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Deliverable Requested: I, II, III, IV, Other (specify)				Primary Deliverable Rank: 2		Special Instructions/QC Requirements					
Empty Kit Relinquished by:				Date		Time		Method of Shipment:			
Relinquished by:				Date/Time: 6/17/26 1425		Company:		Received by:		Date/Time: 6-18-26 0935	
Relinquished by:				Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:				Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: Δ Yes Δ No				Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks					

Eurofins Philadelphia

795 Horsham Road
Horsham, PA 19044-0962
Phone 215-355-3900

Chain of Custody Record

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM Dougherty, Erin		Carrier Tracking No(s) N/A		COC No 630-22227 4			
Client Contact: Shipping/Receiving		Phone N/A		E-Mail Erin.Dougherty@et.eurofins.com		State of Origin New Jersey		Page Page 4 of 6			
Company Eurofins Environment Testing Northeast L				Accreditations Required (See note) NELAP - New Jersey				Job # 630-138167-1			
Address 301 Alpha Drive, RIDC Park,		Due Date Requested: 7/14/2026		Analysis Requested						Preservation Codes: -	
City Pittsburgh		TAT Requested (days): N/A									
State/Zip PA, 15238		PO #: N/A		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8082A_LL/35/10C_LL8082 PCBs 7196A_Chromium, Hexavalent 7196A_CR3Chromium, Trivalent 8270E_LL/Filtration_AC(MOD) 8270 Semivolatiles- Dissolved 8081B_LL/Filtration_AC(MOD) 8081 Pesticides- Dissolved 8082A_LL/Filtration_AC8082 PCBs-Dissolved Total_PCB/Filtration_AC Total PCB Calculation 9014/Filtration_ACCyanide-Dissolved 7196A/Filtration_ACCChromium, Hexavalent- Dissolved 7196A_CR3/Filtration_ACCChromium, Trivalent- Dissolved		Total Number of containers		Other: N/A			
Phone 412-963-7058(Tel) 412-963-2468(Fax)		WO #: N/A									
Email N/A		Project #: 63010512									
Project Name ST Hudson - DRBA Lewes Ferry Terminal		SSOW#: N/A									
Site N/A											
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air)		Special Instructions/Note:	
SC-2 COMPOSITE (C3+C7) (630-138167-19)		6/16/26		11:48 Eastern		G		Sediment		4	
SC-3 COMPOSITE (C5+C6+C8) (630-138167-21)		6/16/26		12:16 Eastern		G		Sediment		4	
SC-1 COMPOSITE ELUTRIATE (630-138167-23)		6/16/26		11:10 Eastern		G		Sediment		1	
SC-1 COMPOSITE ELUTRIATE (630-138167-24)		6/16/26		11:10 Eastern		G		Water		1	
SC-2 COMPOSITE ELUTRIATE (630-138167-25)		6/16/26		11:48 Eastern		G		Sediment		1	
SC-2 COMPOSITE ELUTRIATE (630-138167-26)		6/16/26		11:48 Eastern		G		Water		1	
SC-3 COMPOSITE ELUTRIATE (630-138167-27)		6/16/26		12:16 Eastern		G		Sediment		1	
SC-3 COMPOSITE ELUTRIATE (630-138167-28)		6/16/26		12:16 Eastern		G		Water		1	
C-4 DISCRETE ELUTRIATE (630-138167-29)		6/10/26		12:34 Eastern		G		Sediment		1	
Note: Since laboratory accreditations are subject to change, Eurofins Drinking Water and Wastewater Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Drinking Water and Wastewater Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Drinking Water and Wastewater Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Drinking Water and Wastewater Northeast, LLC.											
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Unconfirmed						☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months					
Deliverable Requested I, II, III, IV, Other (specify)						Primary Deliverable Rank 2					
Special Instructions/QC Requirements											
Empty Kit Relinquished by				Date		Time		Method of Shipment:			
Relinquished by				Date/Time		Company		Received by			
Relinquished by				Date/Time		Company		Received by			
Relinquished by				Date/Time		Company		Received by			
Custody Seals Intact: Δ Yes Δ No				Custody Seal No.		Cooler Temperature(s) °C and Other Remarks					

Environment Testing

[illegible]

 eurofins | Environmental Testing

[illegible]

by

Chain of Custody Record

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Ver: 03/20/2026
7/23/2026 (Rev. 1)

Eurofins Pittsburgh

301 Alpha Drive RIDC Park

Pittsburgh, PA 15238

Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Dougherty, Erin		Carrier Tracking No(s): N/A		GOC No: 180-558675.1							
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Erin.Dougherty@et.eurofinsus.com		State of Origin: New Jersey		Page: Page 1 of 1							
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): NELAP - New Jersey				Job #: 630-138167-1							
Address: 2425 New Holland Pike,		Due Date Requested: 7/1/2026		Analysis Requested						Preservation Codes:					
City: Lancaster		TAT Requested (days): N/A													
State, Zip: PA, 17601		PO #: N/A		Field Filtered Sample (Yes or No)		Perform MSMSD (Yes or No)		Lloyd_KahnLloyd Kahn TOC		Total Number of containers		Other: N/A			
Phone: 717-656-2300(Tel)		WO #: N/A													
Email: N/A		Project #: 63010512		SSOW#: N/A											
Project Name: DRBA Lewes Ferry Terminal - Discrete															
Site: N/A															
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air)		Preservation Code:		Special Instructions/Note:			
SC-1 COMPOSITE (C1+C2) (630-138167-18)		6/16/26		11:10 Eastern		G		Solid				1			
SC-2 COMPOSITE (C3+C7) (630-138167-20)		6/16/26		11:48 Eastern		G		Solid				1			
SC-3 COMPOSITE (C5+C6+C8) (630-138167-22)		6/16/26		12:16 Eastern		G		Solid				1			
Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.															
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
Unconfirmed						☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months									
Deliverable Requested: I, II, III, IV, Other (specify)						Primary Deliverable Rank: 2						Special Instructions/QC Requirements:			
Empty Kit Relinquished by:				Date:		Time:		Method of Shipment:							
Relinquished by: <i>James J. Hinkelman</i>				Date/Time: 6/30/26 14:00		Company: EAHNT		Received by: <i>26 K/H</i>				Date/Time: 6/30/26 1420		Company: ELLE	
Relinquished by: <i>26 K/H</i>				Date/Time: 6/30/26 1850		Company: ELLE		Received by:				Date/Time:		Company:	
Relinquished by:				Date/Time:		Company:		Received by:				Date/Time: 6/30/26 1850		Company: <i>ELLE</i>	
Custody Seals Intact:		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 3.0/35											
Yes No															

Page 97 of 101

SECTION 3
ENG 4345 FORM
&
ENVIRONMENTAL QUESTIONNAIRE

26-073

USACE – LEWES FERRY TERMINAL
SEPTEMBER 2026

U.S. Army Corps of Engineers (USACE)

APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT

Form Approved -

OMB No. 0710-0003

For use of this form, see 33 CFR 325. The proponent agency is CECW-COR.

Expires: 2027-03-31

The public reporting burden for this collection of information, OMB Control Number 0710-0003, is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. PLEASE DO NOT RETURN YOUR APPLICATION TO THE ABOVE EMAIL.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned. System of Record Notice (SORN). The information received is entered into our permit tracking database and a SORN has been completed (SORN #A1145b) and may be accessed at the following website: <http://dpcoid.defense.gov/Privacy/SORNS/index/DOD-wide-SORN-Article-View/Article/570115/a1145b-ce.aspx>

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETE
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(ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME		8. AUTHORIZED AGENT'S NAME AND TITLE (agent is not required)									
First - Brian	Middle -	Last - Lutes	First - Clare	Middle -	Last - Mueller						
Company - Delaware River and Bay Authority			Company - S.T. Hudson Engineers, Inc.								
E-mail Address - brian.lutes@dtrba.net			E-mail Address - Cmueller@sthe.com								
6. APPLICANT'S ADDRESS:			9. AGENT'S ADDRESS:								
Address- P.O. Box 71			Address- 900 Dudley Ave								
City - New Castle	State - DE	Zip - 19720	Country - US	City - Cherry Hill	State - NJ	Zip - 08002	Country - US				
7. APPLICANT'S PHONE NOS. w/AREA CODE				10. AGENTS PHONE NOS. w/AREA CODE							
a. Residence		b. Business		c. Fax		a. Residence		b. Business		c. Fax	
								609-923-9352			

STATEMENT OF AUTHORIZATION

11. I hereby authorize, Clare Mueller to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.

Brian Lutes 5/13/26
SIGNATURE OF APPLICANT DATE

NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE (see instructions) Lewes Ferry Terminal - Maintenance Dredging	
13. NAME OF WATERBODY, IF KNOWN (if applicable) Delaware Bay	14. PROJECT STREET ADDRESS (if applicable) Address 43 Cape Henlopen Drive
15. LOCATION OF PROJECT Latitude: °N 38°46'52.84"N Longitude: °W 75° 7'8.48"W	City - Lewes State- DE Zip- 19958
16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions) State Tax Parcel ID Municipality	
Section - Township -	Range -

17. DIRECTIONS TO THE SITE

Get on I-676 E/US-30 E from N broad St. Take I-95 to DE-1 S in Dover. Follow DE-1 to your destination in Lewes.

18. Nature of Activity (Description of project, include all features)

The applicant proposes to mechanically dredge approximately 50,945 CY of material from the ferry terminal at a depth of -11.0 + 1.0 ft and -8.0 +1.0 overdredge at the C-4 area of over dredge. Material is to be disposed of at White's Basin.

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

The purpose of the project is to maintain the berth's and surrounding area for Cape May - Lewes Ferry transportation purposes.

USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. Reason(s) for Discharge

N/A - No discharge.

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards:

Type Amount in Cubic Yards	Type Amount in Cubic Yards	Type Amount in Cubic Yards
N/A	N/A	N/A

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Acres N/A

or

Linear Feet N/A

23. Description of Avoidance, Minimization, and Compensation (see instructions)

N/A.

24. Is Any Portion of the Work Already Complete? ☐ Yes ☒ No IF YES, DESCRIBE THE COMPLETED WORK

25. Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).

a. Address- River & Bay Authority Police - 43 Cape Henlopen Dr

City - Lewes

State - DE

Zip - 19958

b. Address-

City -

State -

Zip -

c. Address-

City -

State -

Zip -

d. Address-

City -

State -

Zip -

e. Address-

City -

State -

Zip -

26. List of Other Certificates or Approvals/Denials received from other Federal, State, or Local Agencies for Work Described in This Application.

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
DNREC	FEDERAL CONS		TBD	TBD	TBD
NJDEP	AUD		TBD	TBD	TBD

* Would include but is not restricted to zoning, building, and flood plain permits

27. Application is hereby made for permit or permits to authorize the work described in this application. I certify that this information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.



2026-05-12

SIGNATURE OF APPLICANT

DATE



2026-05-12

SIGNATURE OF AGENT

DATE

The Application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

ENVIRONMENTAL QUESTIONNAIRE
FOR CORPS OF ENGINEERS PERMIT APPLICATIONS
Philadelphia District, Corps of Engineers
Philadelphia, Pennsylvania 19107
CENAP-OP-R

INTRODUCTION AND INSTRUCTIONS

The District Engineer is required by law to assess the initial, cumulative, and long-term effects of any proposed permit on all aspects of the environment.

To speed the analysis of the probable impact of the proposed work, each applicant is required to submit appropriate environmental data as part of a permit application. We ask that you provide a thorough description of your proposed project and answer each question as it applies to the work and the results of that work. Complete and accurate answers will prevent unnecessary delays in processing your permit application.

Parts I and II will be filled out by all applicants. Part I is self-explanatory. In Part II, the Environmental Impact Checklist, you should indicate the impacts of your project on all aspects of the environment that are listed. Use the space under "Qualifying Remarks" to indicate the specific impacts that your project will have. This may include types of plants or animals affected, specific adverse, beneficial, or mitigative effects, changes to existing conditions, etc. Although space for answers has been provided, you may wish to supply additional information on attached pages. If you do not anticipate an impact on a certain item, simply place a check in the "No" column.

Part III will be filled out by all applicants applying for a permit to perform dredging.

Part IV will be filled out by all applicants applying for a permit to perform filling operations. This includes activities such as filling behind bulkheads.

Refer any questions you may have concerning this supplemental form to the Regulatory Branch at (215) 656-6728.

PART I

I. PROJECT DESCRIPTION:

- A. General Site Location: Accurately locate the project site with respect to State, county, or other subdivision, and in relation to streams and rivers.

The site is located along the Delaware Bay in Lewes Delaware at 43 Henlopen Drive.

- B. Specific Site Locations: Completely locate the project site with respect to cove, creek, property owner, plot number, etc.

The property owner is Delaware River Bay Authority. The site is located along the Delaware Bay in Lewes Delaware at 43 Henlopen Drive.

- C. Description of Proposed Action: Carefully describe the action proposed, including the method of construction, equipment, and materials to be used. Details in your description are important. Attach additional sheets if necessary.

The applicant proposes to mechanically dredge approximately 50,945 CY of material from the ferry terminal at a depth of -11.0 + 1.0 ft of over dredge and -8.0 +1.0 over dredge at the C-4 area. Material will be disposed of at Whites Basin in Logan Township, New Jersey.

- D. Purpose of Proposed Action: Define the purpose of the proposed structure or work. For example, the purpose of bulkheading may be to stabilize an eroding bank; whereas, the purpose for a pier may be for the mooring of a private boat, for access to a public or private facility, for a marina, or for another purpose.

The purpose of the project is to maintain the berth's and surrounding area for Cape May Ferry transportation purposes.

- E. Submit color photographs of the site, with explanations of the views shown (prints only). Photographs help us to better understand your project. The more photographs you provide, the easier it is to understand and process your application.

Please refer to section 2.0 - Photographs in the application.

PART II – ENVIRONMENTAL IMPACT CHECKLIST			
ENVIRONMENTAL IMPACT	YES	NO	QUALIFYING REMARKS
A. Physical			
1. Topography	☐	☒	
2. Geological Elements and Leaching	☐	☒	
3. Air	☐	☒	
4. Transportation	☒	☐	The purpose of the dredging is for transportation from Cape May, NJ to Lewes Delaware.
5. Handling of Hazardous Materials	☐	☒	
6. Spoil Disposal	☐	☒	
7. Sewage and Solid Wastes	☐	☒	
8. Water Resources			
a. Water Quality	☒	☐	Water quality will be affected by a change in turbidity levels due to dredging but will return to normal shortly after the dredge event.
b. Hydrography, Circulation, Littoral Drift.	☐	☒	
c. Ground Water	☐	☒	
B. Biological			
1. Vegetation			
a. Terrestrial	☐	☒	
b. Aquatic	☐	☒	
2. Fish and Wildlife			
a. Mammals	☐	☒	
b. Birds	☐	☒	
c. Amphibians	☐	☒	
d. Reptiles	☐	☒	
e. Fish	☐	☒	
f. Shellfish	☐	☒	
g. Invertebrates	☐	☒	
3. Rare or Endangered Species	☐	☒	

ENVIRONMENTAL IMPACT	YES	NO	QUALIFYING REMARKS
C. Cultural			
1. Land Use	☐	☒	
2. Population Density and Trends	☐	☒	
3. Regional Development	☐	☒	
4. Historic Places	☐	☒	
5. Archaeological Sites	☐	☒	
6. Aesthetics	☐	☒	
7. Utilities	☐	☒	
8. Transportation Systems	☒	☐	The purpose of the dredging is to keep the transportation system (ferry) from Cape May, NJ to Lewes DE in operation.
9. Recreation	☐	☒	
10. Public Health	☐	☒	
D. Other Factors			
1. Secondary Effects	☐	☒	
2. Controversiality	☐	☒	
3. Is significant dredging involved?	☒	☐	Dredging of approximately 50,945 CY of material is proposed.
4. Is significant filling involved?	☐	☒	

Part III

Considerations of a Dredging Proposal:

- A. Describe characteristics and locations of the proposed dredged material disposal site. Provide photographs.

White's Basin Confined Disposal Facility (CDF) is an engineered upland confined disposal facility (CDF) located in Logan Township, Gloucester County, New Jersey, adjacent to the Delaware River. The facility is designed for the receipt, containment, dewatering, and long-term management of hydraulically and mechanically dredged sediments from navigation improvement and maintenance dredging projects. Dredged material is transported to the facility by barge and discharged into a rehandling basin or pumped directly into confined disposal cells enclosed by engineered earthen berms. Following placement, the sediments dewater through natural settling, decanting, and evaporation.

- B. Is there a comprehensive plan for disposal sites that takes into account the accumulative effect over time and the decreasing amount of suitable sites for disposal?

N/A.

- C. Describe the present land use of the disposal site.

The site is currently utilized as a disposal site.

- D. Describe characteristics of the material to be disposed, including:

1. Physical source of material (i.e. sand, silt, clay, etc.) Give percentages of the various fractions if available.

62% silt, 22.7 % sand, 15.1 % clay, 17.1 % fine sand, 5.3 % med sand.

2. Chemical composition of material: Many areas, especially marinas, highly industrialized areas, etc., have sediments with high concentrations of pollutants (chemicals, organic material, etc.). These materials may be re-suspended or reintroduced into the water and result in serious environmental damage. If your proposed dredging is in an area such as described above, a chemical analysis of the material to be dredged should be provided.

See Appendix C.

3. Dewatering properties of the material to be disposed.

N/A.

4. Compactability of material and settling rates of material to be disposed.

The material to be disposed consists predominantly of fine-grained sediment, Based on its grain size distribution, the material is expected to exhibit moderate to low compactability.

5. Dredging and disposal schedule to insure that operations do not degrade water quality during times of anadromous fish migration.

Dec 2026/Jan 2027

- E. When the project involves land disposal, discuss the following:

1. Method of disposal to be utilized, i.e., pipeline discharge, barge, hopper (underway or stationary).

Barge Disposal - Barge will transport material to whites basin

2. Describe method of dredged material containment (i.e. embankment, behind bulkhead, etc.) Dikes, Berms in CDF.

3. What type of leachates will be produced from the spoil material and what is planned for protection of the groundwater?
Engineered seepage control measures, berms and internal grading
4. Methods to insure that spoil water does not adversely affect water quality, both during construction and after completion of the project.
Measures will be implemented during construction to minimize the potential for spoil water to adversely affect water quality. Dredged material will be transported and placed in a manner that minimizes the release of excess water and suspended sediments.
5. Provisions for monitoring during discharge: water quality, sediment transport, and precautions to prevent “short-circuiting” dumping.
N/A.

F. Consider and discuss the following for water disposal:

1. Describe methods to be used for water disposal, including volumes and site selection.
N/A - No water disposal.
2. Describe the existing water characteristics at the site, including chemical analysis for water quality.
N/A - No water disposal.

G. Discuss the frequency and amount of maintenance dredging which will be required; discuss the resulting impacts.

Maintenance dredging may be required on a periodic basis, depending on sedimentation rates within the project area. Based on typical conditions for similar settings, dredging may be necessary every 3 to 5 years, but is most likely every 10 years, the actual frequency will be determined through routine bathymetric surveys and site inspections. The volume of material to be removed during each maintenance event is expected to be relatively minor compared to initial construction dredging, generally consisting of recently deposited, unconsolidated sediments that accumulate in navigation or work areas.

H. Alternatives.

1. Discuss all alternatives to the project, including the “no action” alternative.
No Action: Over time sediment buildup (shoaling) would reduce water depth and there would be navigational challenges.
2. Discuss alternative types and methods of dredging and disposal, such as pipeline discharge, barging, or hopper method.
Alternative methods of dredging are not an option at this time.
3. Discuss alternatives to dredging.
There are no alternatives to dredging. Dredging is required to reduce shoaling and for navigational purposes.
4. Discuss alternative areas of sites for spoil disposal.
N/A.
5. Discuss impact of port docking patterns upon the demand for dredging. Can alternative patterns reduce the amount of dredging required to support port operations?
N/A. The amount of dredging listed is the amount required for dredging at the Lewes Ferry Terminal.
6. Support alternative means of construction that would prevent or minimize water quality degradation using EPA standards for guidance.
There are no means of construction for this project.
7. State in detail impacts resulting in alternative locations for the proposed project.
There are no alternative locations for the proposed project. Dredging of the Lewes Ferry Terminal is necessary for transportation of the Cape May Lewes Ferry.

Part IV

CONSIDERATIONS OF A FILLING PROPOSAL:

- A. Describe in detail the existing characteristics of the area proposed for filling (i.e. aquatic area, marsh, mudflat, swamp, etc.). In your description, be sure to include the types of vegetation present and the types of animals that use the area. Provide photographs.
- B. Give the following information in regard to the project size:
1. Total area to be filled.
N/A.
 2. Size of underwater area to be filled.
N/A.
 3. Area of intertidal zone to be filled.
N/A.
 4. Area of wetlands to be filled.
N/A.
 5. Proposed height of fill.
N/A.
 6. Volume of material that will be used in filling.
N/A.
- C. Describe in detail the material to be used as fill including as follows:
1. Type of fill to be used (sand, stone, rubble, etc.). If the material is a composite (i.e., rubble), list the types of materials it will contain.
N/A.
 2. Give the specific location of the source of this material.
N/A.
 3. What types of leachates will be produced from the fill material and what is planned for protection of surface and groundwater?
N/A.
- D. Carefully describe the method of fill, including the following:
1. Method of fill placement, including equipment used in deposition and grading.
N/A.
 2. Method of stabilization of banks from erosion, sloughing, wave action, boat wakes, etc.
N/A.
 3. Method of stabilization of the surface of the fill.
N/A.

4. Length of time needed for completion of the project. State if filling will be continuous, intermittent, etc.

N/A.

5. Method of controlling turbidity when filling an underwater area.

N/A.

E. Purpose of the Project:

1. What is the intended use of the filled area?

N/A.

2. What structures, if any, will be constructed on the fill?

N/A.

3. What benefits would you gain from the proposed fill?

N/A.

F. Alternatives

1. Discuss the “no action” alternative and how this would affect your present and future plans for the development of the area.

Please refer to section 1.0 of the application for alternatives.

2. Discuss alternative locations for the proposed fill.

N/A.

3. Discuss the use of elevated structures (i.e. causeways, elevated platforms, etc.) in place of the proposed fill.

N/A.

4. Discuss any other alternatives you have considered prior to formulating the presently submitted proposal.

N/A.

SECTION 4

**SECTION 7
NLAA FORM**

26-073

USACE – LEWES FERRY TERMINAL
SEPTEMBER 2026

**NOAA FISHERIES**

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Greater Atlantic Region**US Army Corps
of Engineers®****GARFO ESA Section 7: NLAA Program Verification Form**

(Please submit a signed version of this form, together with any project plans, maps, supporting analyses, etc., to nmfs.gar.esa.section7@noaa.gov with "USACE NLAA Program: [Application Number]" in the subject line)

Section 1: General Project Details

Application Number:			
Reinitiation:		Select Yes or No	
Applicant(s):		Delaware River Bay Authority	
Permit Type:		Select Permit Type	
Anticipated project start date (e.g., 10/1/2020)		DEC 2026/JAN 2027	
Anticipated project end date (e.g., 12/31/2022 – if there is no permit expiration date, write "N/A")		DEC 2026/JAN 2027	
Project Type/Category (check all that apply to entire action):			
☐	Aquaculture (shellfish) and artificial reef creation	☐	Mitigation (fish/wildlife enhancement or restoration)
☒	Dredging and disposal/beach nourishment	☐	Bank stabilization
☐	Piers, ramps, floats, and other structures	☐	If other, describe project type category:
Town/City:	Lewes	Zip:	19958
State:	DE	Water body:	Delaware Bay

Project/Action Description and Purpose <i>(include relevant permit conditions that are not captured elsewhere on form):</i>		
The applicant proposes to mechanically dredge approximately 50,945 CY of material from the ferry terminal at a depth of -11.0 + 1.0 ft of over dredge and -8.0 + 1.0 at the C-4 discrete area. Material will be disposed of at Whites Basin in Logan Township, New Jersey.		
Type of Bottom Habitat Modified:	Permanent/Temporary:	Area (acres):
Silt/Mud/Clay (saline)	Temporary	3.45
Select Type of Bottom Habitat	Select Permanent or Temporary	
Select Type of Bottom Habitat	Select Permanent or Temporary	
Project Latitude (e.g., 42.625884)		
Project Longitude (e.g., -70.646114)		
Mean Low Water (MLW)(m)		
Mean High Water (MHW)(m)		
Width (m) of water body in action area:	Stressor Category (stressor that extends furthest distance into water body – e.g., turbidity plume; sound pressure wave):	Max extent (m) of stressor into the water body:
22,560.00	Turbidity	35.00

Section 2: ESA-listed species and/or critical habitat in the action area:

☐	Atlantic sturgeon (all DPSs)	☒	Kemp's ridley sea turtle
☒	Atlantic sturgeon critical habitat Indicate which DPS : NYB	☐	Loggerhead sea turtle (NW Atlantic DPS)
☒	Shortnose sturgeon	☐	Leatherback sea turtle
☐	Atlantic salmon (GOM DPS)	☒	North Atlantic right whale
☐	Atlantic salmon critical habitat (GOM DPS)	☐	North Atlantic right whale critical habitat
☒	Green sea turtle (N. Atlantic DPS)	☒	Fin whale

* Please consult GARFO PRD's ESA Section 7 Mapper for ESA-listed species and critical habitat information for your action area at: <https://www.fisheries.noaa.gov/new-england-mid-atlantic/consultations/section-7-species-critical-habitat-information-maps-greater>.

Section 3: NLAA Determination (check all applicable fields):

If the Project Design Criteria (PDC) is met, select Yes. If the PDC is not applicable (N/A) for your project (e.g., the stressor category is not included for your project activity, or for PDC 2, your project does not occur within the range of the GOM DPS of Atlantic salmon), select N/A. If the PDC is applicable, but is not met, leave both boxes blank and provide a justification for that PDC in Section 4.

a) GENERAL PDC			
Yes	N/A	PDC #	PDC Description
☒		1.	No portion of the proposed action will individually or cumulatively have an adverse effect on ESA-listed species or designated critical habitat.
☒	☐	2.	No portion of the proposed action will occur in the tidally influenced portion of rivers/streams where Atlantic salmon presence is possible from April 10–November 7. Note: If the project will occur within the geographic range of the GOM DPS Atlantic salmon but their presence is not expected following the best available commercial scientific data, the work window does not need to be applied (include reference in project description).
☒	☐	3.	No portion of the proposed action that may affect shortnose or Atlantic sturgeon will occur in areas identified as spawning grounds as follows: i. Gulf of Maine: April 1–Aug. 31 ii. Southern New England/New York Bight: Mar. 15–Aug. 31 iii. Chesapeake Bay: March 15–July 1 and Sept. 15–Nov. 1 Note: If river specific information exists that provides better or more refined time of year information, those dates may be substituted with NMFS approval (include reference in project description).
☐	☐	4.	No portion of the proposed action that may affect shortnose or Atlantic sturgeon will occur in areas identified as overwintering grounds, where dense aggregations are known to occur, as follows: i. Gulf of Maine: Oct. 15–April 30 ii. Southern New England/ New York Bight: Nov. 1–Mar. 15 iii. Chesapeake Bay: Nov. 1–Mar. 15 Note: If river specific information exists that provides better or more refined time of year information, those dates may be substituted with NMFS approval (include reference in project description).
☒	☐	5.	Within designated Atlantic salmon critical habitat, no portion of the proposed action will affect spawning and rearing areas (PBFs 1-7).
☒	☐	6.	Within designated Atlantic sturgeon critical habitat, no work will affect hard bottom substrate (e.g., rock, cobble, gravel, limestone, boulder, etc.) in low salinity waters (i.e., 0.0-0.5 parts per thousand) (PBF 1).

Yes	N/A	PDC #	PDC Description
☒		7.	Work will result in no or only temporary/short-term changes in water temperature, water flow, salinity, or dissolved oxygen levels.
☒		8.	If ESA-listed species are (a) likely to pass through the action area at the time of year when project activities occur; and/or (b) the project will create an obstruction to passage when in-water work is completed, then a zone of passage (~50% of water body) with appropriate habitat for ESA-listed species (e.g., depth, water velocity, etc.) must be maintained (i.e., physical or biological stressors such as turbidity and sound pressure must not create barrier to passage).
☒	☐	9.	Any work in designated North Atlantic right whale critical habitat must have no effect on the physical and biological features (PBFs).
☒		10.	The project will not adversely impact any submerged aquatic vegetation (SAV).
☒		11.	No blasting or use of explosives will occur.

b) The following stressors are applicable to the action
(check all that apply – use Stressor Category Table for guidance):

☐	Sound Pressure
☐	Impingement/Entrapment/Capture
☒	Turbidity/Water Quality
☐	Entanglement (Aquaculture)
☐	Habitat Modification
☒	Vessel Traffic

Activity Category	Stressor Category					
	Sound Pressure	Impingement/Entrapment/Capture	Turbidity/Water Quality	Entanglement	Habitat Mod.	Vessel Traffic
Aquaculture (shellfish) and artificial reef creation	N	N	Y	Y	Y	Y
Dredging and disposal/beach nourishment	N	Y	Y	N	Y	Y

Activity Category	Stressor Category					
	Sound Pressure	Impingement/ Entrapment/ Capture	Turbidity/ Water Quality	Entanglement	Habitat Mod.	Vessel Traffic
Piers, ramps, floats, and other structures	Y	N	Y	N	Y	Y
Transportation and development (e.g., culvert construction, bridge repair)	Y	N	Y	N	Y	Y
Mitigation (fish/wildlife enhancement or restoration)	N	N	Y	N	Y	Y
Bank stabilization and dam maintenance	Y	N	Y	N	Y	Y

c) SOUND PRESSURE PDC

Information for Pile Driving:

If your project includes **pile driving of any kind**, please attach your calculation to this verification form to verify that it fits within the scope of the behavioral/injury threshold analysis for ESA-listed species in the action area. The NMFS Office of Protected Resources Acoustic Calculator is available as one source, should you not have other information:

<https://www.fisheries.noaa.gov/new-england-mid-atlantic/consultations/section-7-effects-analysis-acoustics-greater-atlantic-region>

	Pile material	Pile diameter/width (inches)	Number of piles	Installation method
a)	Select pile material			Select installation method
b)	Select pile material			Select installation method
c)	Select pile material			Select installation method
d)	Select pile material			Select installation method

Yes	N/A	PDC #	PDC Description
☐	☒	12.	If pile driving is occurring during a time of year when ESA-listed species may be present, and the anticipated noise is above the behavioral noise threshold, a “soft start” is required to allow animals an opportunity to leave the project vicinity before sound pressure levels increase. <i>In addition to using a soft start at the beginning of the work day for pile driving, one must also be used at any time following cessation of pile driving for a period of 30 minutes or longer.</i> <u>For impact pile driving:</u> pile driving will commence with an initial set of three strikes by the hammer at 40% energy, followed by a one minute wait period, then two subsequent 3-strike sets at 40% energy, with one-minute waiting periods, before initiating continuous impact driving. <u>For vibratory pile installation:</u> pile driving will be initiated for 15 seconds at reduced energy followed by a one-minute waiting period. This sequence of 15 seconds of reduced energy driving, one-minute waiting period will be repeated two additional times, followed immediately by pile-driving at full rate and energy.
☐	☒	13.	Any new pile supported structure must involve the installation of ≤ 50 piles (below MHW).
☐	☒	14.	All underwater noise (pressure) is below ($<$) the physiological/injury noise threshold for ESA-species in the action area.

d) IMPINGEMENT/ENTRAINMENT/CAPTURE PDC

Information for Dredging/Disposal:

Type of dredge:	Mechanical		
Maintenance dredging?:	Yes	If “Yes”, how many acres?	
If maintenance, when was the last dredge cycle?	2018		
New dredging:	No	If “Yes”, how many acres?	
Estimated number of dredging events covered by permit:			
ESA-species exclusion measures required (e.g., cofferdam, turbidity curtain):	Yes		
If no exclusion measures required, explain why:	Select reason why no exclusion measures are required		

Information for Intake Structures:

Mesh screen size (mm) for temporary intake:	
---	--

Yes	N/A	PDC #	PDC Description
☒	☐	15.	Only mechanical, cutterhead, and low volume hopper (e.g., CURRITUCK, ~300 cubic yard maximum bin capacity) dredges may be used.
☒	☐	16.	No new dredging in Atlantic sturgeon or Atlantic salmon critical habitat (maintenance dredging still must meet all other PDCs). New dredging outside Atlantic sturgeon or salmon critical habitat is limited to one time dredge events (e.g., burying a utility line) and minor (≤ 2 acres) expansions of areas already subject to maintenance dredging (e.g., marina/harbor expansion).
☒	☐	17.	Work behind cofferdams, turbidity curtains, or other methods to block access of animals to dredge footprint is required when operationally feasible or beneficial and ESA-listed species are likely to be present (if presence is limited to rare, transient individuals, exclusion methods are not necessary).
☒	☐	18.	Temporary intakes related to construction must be equipped with appropriate sized mesh screening (as determined by GARFO section 7 biologist and/or according to Chapter 11 of the NOAA Fisheries Anadromous Salmonid Passage Facility Design) and must not have greater than 0.5 fps intake velocities, to prevent impingement or entrainment of any ESA-listed species life stage.
☒	☐	19.	No new permanent intake structures related to cooling water, or any other inflow at facilities (e.g. water treatment plants, power plants, etc.).

e) TURBIDITY/WATER QUALITY PDC

Information for Turbidity Producing Activity (excluding disposal):

ESA-species turbidity control measures required (e.g., turbidity curtain):	Yes
If no turbidity control measures required, explain why:	Not operationally feasible

Information for Dredged Material Disposal:

Disposal site:	Select disposal site
Estimated number of trips to disposal site:	
Relevant disposal site permit/special conditions required (NAE: for offshore disposal, include Group A, B, C, or relevant Long Island Sound consultation):	

Yes	N/A	PDC #	PDC Description
☒	☐	20.	Work behind cofferdams, turbidity curtains, or other methods to control turbidity is required when operationally feasible or beneficial and ESA-listed species are likely to be present (if presence is limited to rare, transient individuals, turbidity control methods are not necessary).
☒	☐	21.	In-water offshore disposal may only occur at designated disposal sites that have been the subject of ESA section 7 consultation with NMFS, where a valid consultation is in place and appropriate permit/special conditions are included.

Yes	N/A	PDC #	PDC Description
☒	☐	22.	Any temporary discharges must meet state water quality standards (e.g., no discharges of substances in concentrations that may cause acute or chronic adverse reactions, as defined by EPA water quality standards criteria).
☐	☒	23.	Only repair, upgrades, relocations and improvements of existing discharge pipes or replacement in-kind are allowed; no new construction of untreated discharges.
f) ENTANGLEMENT PDC			
Information for Aquaculture Projects:			
Approximate distance from shore (MHW)(m):			
Grow season begins (approximate):			
Grow season ends (approximate):			
Total number of vertical lines:			
Total number of horizontal lines:			
Is any gear seasonally removed from the water? If yes, which parts and when?			
	Aquaculture Gear	Acreage (total permit footprint)	Type of Shellfish Cultivated
a)	Select aquaculture gear		Select type of shellfish cultivated
b)	Select aquaculture gear		Select type of shellfish cultivated
c)	Select aquaculture gear		Select type of shellfish cultivated
Yes	N/A	PDC #	PDC Description
☐	☒	24.	Shell on bottom <50 acres with maximum of 4 corner marker buoys;
☐	☒	25.	Cage on bottom with no loose floating lines <5 acres and minimal vertical lines (1 per string of cages, 4 corner marker buoys);
☐	☒	26.	Floating cages in <3 acres in waters and shallower than -10 feet MLLW with no loose lines and minimal vertical lines (1 per string of cages, 4 corner marker buoys);
☐	☒	27.	Floating upweller docks in >10 feet MLLW.
☐	☒	28.	Any in-water lines, ropes, or chains must be made of materials and installed in a manner to minimize or avoid the risk of entanglement by using thick, heavy, and taut lines that do not loop or entangle. Lines can be enclosed in a rigid sleeve.
g) HABITAT MODIFICATION PDC			
Yes	N/A	PDC #	PDC Description
☐	☒	29.	No conversion of habitat type (soft bottom to hard, or vice versa) for aquaculture or reef creation.

h) VESSEL TRAFFIC PDC			
Information for Vessel Traffic:			
	Temporary Project Vessel Type		Number of Vessels
a)	Dredge vessel		1
b)	Tug		1
c)	Select temporary vessel type		
	Type of Non-Commercial or Aquaculture Vessels Added – only include if there is a net increase directly/indirectly resulting from project)		Number of Vessels (if sum > 2, PDC 33 is not met and justification required in Section 4)
a)	Select type of non-commercial or aquaculture vessels		
b)	Select type of non-commercial or aquaculture vessels		
	Type of Commercial Vessels Added (only include if there is a net increase directly/indirectly resulting from project)		Number of Vessels (if > 0, PDC 33 is not met and justification required in Section 4)
a)			
b)			
If no temporary/permanent vessel traffic, briefly explain (e.g., all land-based work, no net increase in vessel traffic)			
Yes	N/A	PDC #	PDC Description
☒	☐	30.	Maintain project vessels operating within the action area to speed limits below 10 knots and dredge vessel speeds of 4 knots maximum, while dredging.
☒	☐	31.	Maintain a 1,500-foot buffer between project vessels and ESA-listed whales and a 150-foot buffer between project vessels and sea turtles unless the vessel is navigating to an in-water disposal site/activity. If the vessel is navigating to an in-water disposal site/activity, refer to and include the conditions contained in the appropriate GARFO-USACE/EPA consultation for the disposal site.
☒	☐	32.	The number of project vessels must be limited to the greatest extent possible, as appropriate to size and scale of project.
☐	☒	33.	The permanent net increase in vessels resulting from a project (e.g., dock/float/pier/boating facility) must not exceed two non-commercial vessels. A project must not result in the permanent net increase of any commercial vessels (e.g., a ferry terminal).

Section 4: Justification for Review under the NLAA Program

If the action is not in compliance with all of the General PDC and appropriate stressor PDC, but you can provide justification and/or special conditions to demonstrate why the project still meets the NLAA determination and is consistent with the aggregate effects considered in the programmatic consultation, you may still certify your project through the NLAA program using

this verification form. Please identify which PDC your project does not meet (e.g., PDC 9, PDC 15, PDC 22, etc.) and provide your rationale and justification for why the project is still eligible for the verification form.

To demonstrate that the project is still NLAA, you must explain why the effects on ESA-listed species or critical habitat are **insignificant** (i.e., too small to be meaningfully measured or detected) or **discountable** (i.e., extremely unlikely to occur). **Please use this language in your justification.**

PDC#	Justification
4	For the proposed project in the Delaware Bay, in-water work may occur outside of the November 1 through March 15 overwintering restriction for the Southern New England/New York Bight. This deviation is justified because the specific project area is not identified as an overwintering habitat where dense aggregations of Atlantic or shortnose sturgeon are known to occur. Available regional and site-specific information indicates that overwintering concentrations are typically associated with deeper, more stable riverine habitats rather than the project location within the bay. As such, the likelihood of encountering concentrated groups of sturgeon during the overwintering period is low. Given the absence of documented overwintering aggregations in the project vicinity, any potential interaction with sturgeon during this period would be infrequent and transitory. In addition, project activities are limited in spatial
4	
PDC #	

PDC #	
-------	--

Section 5: USACE Verification of Determination

☐	In accordance with the NLAA Program, USACE has determined that the action complies with all applicable PDC and is not likely to adversely affect listed species.
☐	In accordance with the NLAA Program, the USACE has determined that the action is not likely to adversely affect listed species per the justification and/or special conditions provided in Section 4.
USACE Signature:	
Date:	

Section 6: GARFO Concurrence

☐	In accordance with the NLAA Program, GARFO PRD concurs with USACE's determination that the action complies with all applicable PDC and is not likely to adversely affect listed species or critical habitat.
☐	In accordance with the NLAA Program, GARFO PRD concurs with USACE's determination that the action is not likely to adversely affect listed species or critical habitat per the justification and/or special conditions provided in Section 4.
☐	GARFO PRD does not concur with USACE's determination that the action complies with the applicable PDC (with or without justification), and recommends an individual Section 7 consultation to be completed independent from the NLAA Program.
GARFO Signature:	
Date:	

SECTION 5

**COASTAL ZONE MANAGEMENT
FEDERAL CONSISTENCY FORM**

26-073

USACE – LEWES FERRY TERMINAL
SEPTEMBER 2026



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
PHILADELPHIA DISTRICT CORPS OF ENGINEERS
WANAMAKER BUILDING, 100 PENN SQUARE EAST
PHILADELPHIA, PENNSYLVANIA 19107-3390

OCT 02 2018

CENAP-OP-R-Coastal Zone Management (Delaware)

Public Notice

SUBJECT: "Consistency Certification" with Approved State Coastal Zone Management Programs

Federal regulations require that applicants for Department of the Army permits to perform work in waters of the United States, which fall under the jurisdiction of a State with a Coastal Zone Management (CZM) Program approved by the Secretary of Commerce, must provide a signed consistency certification statement to the Corps of Engineers with their application for a Department of the Army permit.

On August 21, 1979, a CZM Program was approved for the State of Delaware by the U.S. Department of Commerce. Therefore, all applications for Department of the Army permits for work in Delaware's designated Coastal Zone, which is the entire state of Delaware, **MUST CONTAIN A SIGNED CONSISTENCY CERTIFICATION** stating that: "The proposed activity complies with and will be conducted in a manner that is consistent with the approved State Coastal Zone Management (CZM) Program."

Furthermore, concurrent with the application for a Department of the Army permit, the applicant **MUST ALSO PROVIDE A SIGNED CONSISTENCY CERTIFICATION STATEMENT DIRECTLY TO THE Delaware Coastal Management Program (DCMP)** for their review and concurrence. This certification must be accompanied by the following information:

- A copy of the Federal application for the Department of the Army permit.
- A detailed description of the proposed activity and its associated facilities which is adequate to assess the activity's probable coastal zone effects. Including but not limited to, maps, diagrams, technical data, etc.
- A brief assessment of the probable coastal zone effects of the proposal and their relation to the relevant policies of the DCMP. A DCMP Policy Document may be obtained by contacting the DCMP at (302) 739-9283.
- A brief set of findings, derived from the above assessment, indicating that the proposed activity and the effects are all consistent with the provisions of the DCMP.

The above information should be sent to:

Delaware Coastal Management Program
Delaware Department of Natural Resources and Environmental Control
100 W. Water Street, Suite 7B
Dover, Delaware 19904
(302) 739-9283 (V)
(302) 739-2048 (F)

A handwritten signature in black ink, appearing to read "Edward E. Bonner".

Edward E. Bonner
Chief, Regulatory Branch

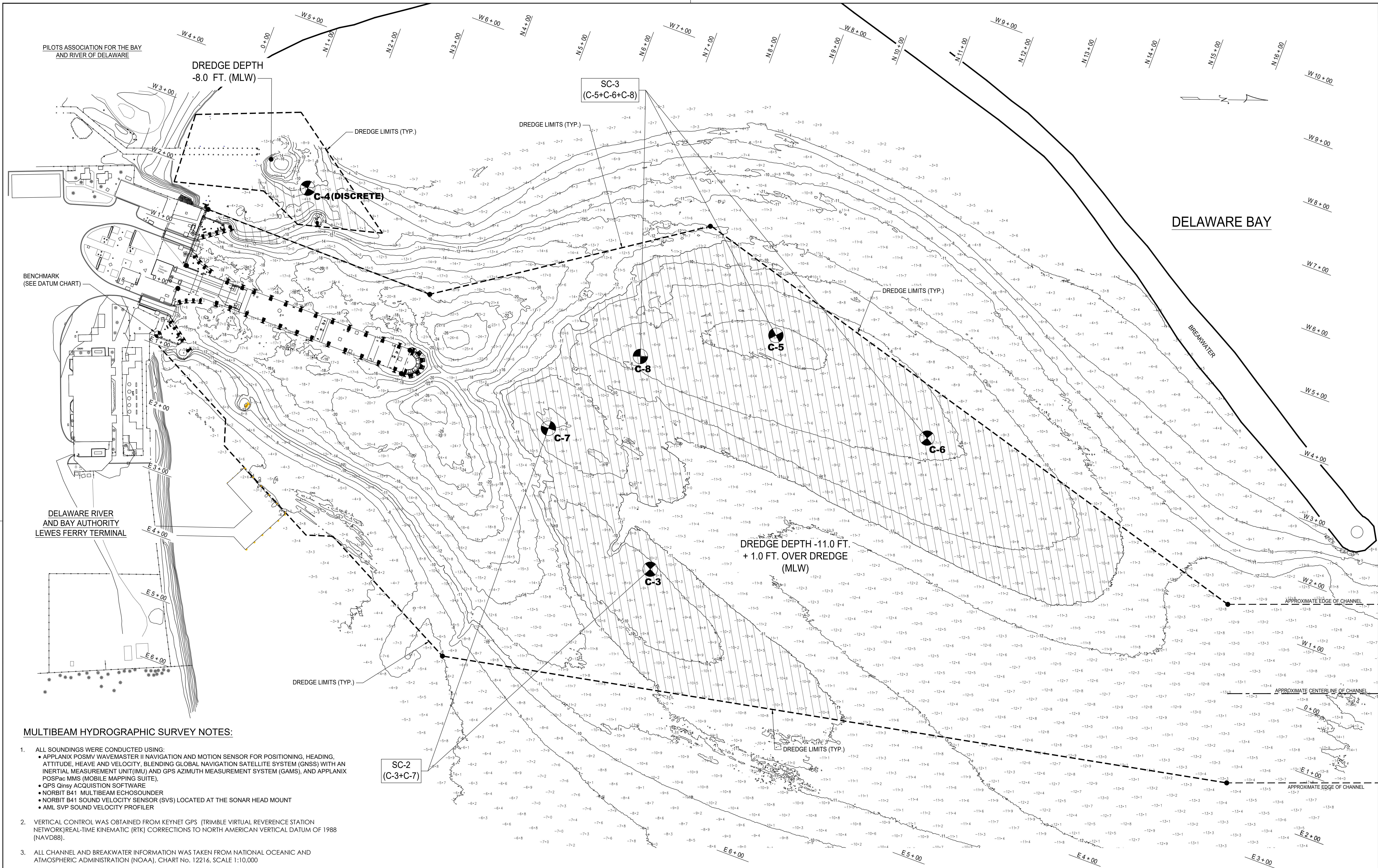
A handwritten signature in blue ink, appearing to read "Brian Lutes".

Brian Lutes

SECTION 6
**SAMPLING PLAN
AND
SAMPLING PLAN PERMIT APPROVAL**

26-073

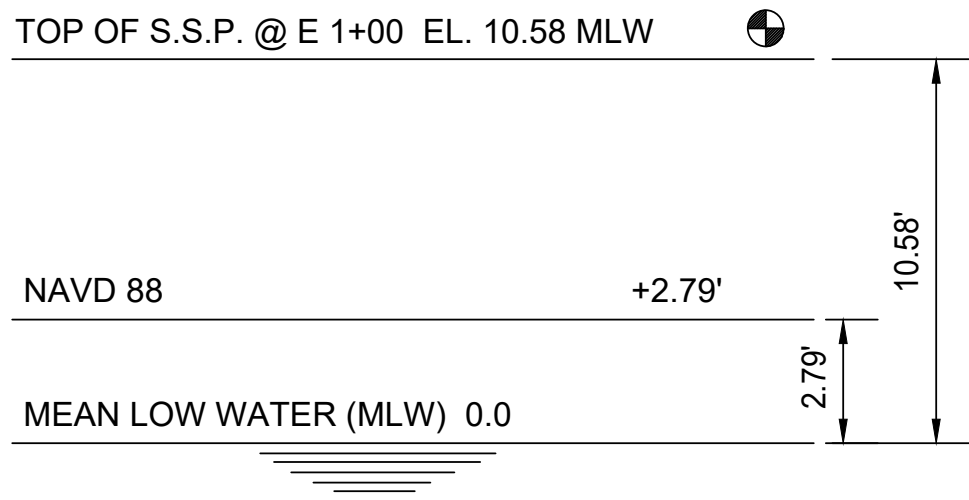
USACE – LEWES FERRY TERMINAL
SEPTEMBER 2026



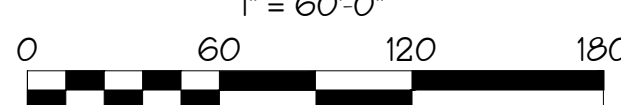
MULTIBEAM HYDROGRAPHIC SURVEY NOTES:

- ALL SOUNDINGS WERE CONDUCTED USING:
 - APPLANIX POSMV WAVEMASTER II NAVIGATION AND MOTION SENSOR FOR POSITIONING, HEADING, ATTITUDE, HEAVE AND VELOCITY, BLENDING GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) WITH AN INERTIAL MEASUREMENT UNIT (IMU) AND GPS AZIMUTH MEASUREMENT SYSTEM (GAMS), AND APPLANIX POSPac MMS (MOBILE MAPPING SUITE).
 - QPS QINSY ACQUISITION SOFTWARE
 - NORBIT B41 MULTIBEAM ECHOSOUNDER
 - NORBIT B41 SOUND VELOCITY SENSOR (SVS) LOCATED AT THE SONAR HEAD MOUNT
 - AML SVP SOUND VELOCITY PROFILER
- VERTICAL CONTROL WAS OBTAINED FROM KEYNET GPS (TRIMBLE VIRTUAL REFERENCE STATION NETWORK) REAL-TIME KINEMATIC (RTK) CORRECTIONS TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- ALL CHANNEL AND BREAKWATER INFORMATION WAS TAKEN FROM NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA), CHART NO. 12216, SCALE 1:10,000
- SOUNDINGS WERE TAKEN ON MONDAY MARCH 9, 2026.
- THE DECIMAL POINT (.) INDICATES THE SOUNDING LOCATION.
- SOUNDINGS ARE REFERENCED TO MEAN LOW WATER (MLW) AND EXPRESSED IN FEET AND TENTHS OF A FOOT.
- CONTOURS WERE INTERPOLATED WITH TRIMBLE NAVIGATION LIMITED SOFTWARE, TERRAMODEL VERSION 10.61.
- CROSS HATCHING INDICATES AREA ABOVE SPECIFIED DREDGE DEPTH
- THE INFORMATION DEPICTED IN THIS DRAWING REPRESENTS THE RESULTS OF SURVEYS CONDUCTED ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
- TOP OF S.S.P. AT STATION E1+00 OBTAINED FROM HISTORICAL DRAWINGS. (NOT VERIFIED)

DATUM CHART



SURVEY PLAN



CORE SAMPLING NOTES:

- FOR CORE SAMPLE LOCATIONS, SEE "ACTUAL LOCATIONS VIA DGPS" IN THE SAMPLE LOCATION CHART.
- CORE SAMPLES WERE TAKEN ON JUNE 10, 2026

TOTAL DREDGE AREA = 416,137 SQUARE FEET
TOTAL DREDGE VOLUME = 50,945 CUBIC YARDS
(INCLUDING +1' OVER DREDGE MLW)

CORE SAMPLE LOCATION CHART

CALCULATED LOCATIONS VIA PLAN			ACTUAL LOCATIONS VIA DGPS	
NORTHING	EASTING	I.D.	NORTHING	EASTING
285862.9719	741363.1926	C-3-SC-2	285875.34	741345.28
285294.5456	740731.2176	C-4	285292.25	740712.27
286060.8128	740949.0197	C-5-SC-3	286081.56	740949.77
286327.6429	741112.3790	C-6-SC-3	286337.61	741119.30
285708.6818	741095.0573	C-7-SC-2	285701.48	741110.58
285854.7760	740968.5165	C-8-SC-3	285854.44	740988.00

REVISIONS		APPROVALS	
NO.	DESCRIPTION	BY	DATE
1	ISSUED FOR CONSTRUCTION	DATE	DATE
2	ISSUED FOR CONSTRUCTION	DATE	DATE
3	ISSUED FOR CONSTRUCTION	DATE	DATE
4	ISSUED FOR CONSTRUCTION	DATE	DATE

"Drawings issued in electronic form are provided for the convenience of the recipients and are used at the sole risk of the user. Reliance may be placed only on hard copies of drawings issued by S.T. HUDSON ENGINEERS, INC. in the event of any discrepancy, the hard copy will govern"

S.T. HUDSON ENGINEERS, INC.
PROFESSIONAL ENGINEERS & CONSULTANTS
Cherry Hill, N.J. 08002
Phone 856-342-6600
Fax No. 856-342-8323

DELAWARE RIVER & BAY AUTHORITY
CAPE MAY-LEWES FERRY
LEWES TERMINAL

drawn: DJD
checked: PF
drfng. approval: TK
date: MAR. 17, 2026
FILE: D-1606
contract: 26-073

LEWES TERMINAL
SAMPLING PLAN
1 4



OFFICE OF DREDGING & SEDIMENT TECHNOLOGY

TIDAL SEDIMENT SAMPLING AND ANALYSIS PLAN TEMPLATE

(V.5.2)

The major objective of a sediment sampling and analysis plan (SSAP) is to accurately characterize the horizontal and vertical distribution of the physical/geotechnical properties and contaminant concentrations of the sediment to be dredged.

This document serves as the template to develop the SSAP for a proposed dredging project by identifying the information required by the Department to review, and ultimately approve, the SSAP. The required information must be provided by entering it into the spaces provided in this template. See page 3 for a list of attachments required to be submitted. Note that clickable links to rule sets, remediation standards, etc., are provided throughout this document. Please submit the completed electronic application package to luasu@dep.nj.gov.

The SSAP for a dredging project must be approved by the Department prior to the collection and analysis of any sediment samples. Once the final SSAP has been approved by the Department, the applicant may conduct sampling in conformance with the plan. Approval of the SSAP will be indicated by the signature of Department staff on page 12 of the completed template.

If any sediment samples are collected and analyzed without prior Department approval, it is done so at risk, as any such samples may or may not be considered by the Department in making regulatory decisions regarding the proposed project.

For additional information on tidal dredging projects, see [The Management and Regulation of Dredging Activities and Dredged Material in New Jersey's Tidal Waters](#) found in Appendix G of the [Coastal Zone Management Rules \(N.J.A.C. 7:7\)](#). This SSAP template incorporates much of what is required to be submitted by applicants in [Appendix G](#) as part of the permit application for a dredging project; however, additional information may be required on a project-specific basis.

If you have any questions, please contact the Department's Office of Dredging and Sediment Technology (ODST) by email at depwlmodst@dep.nj.gov or by phone at 609-633-2289.

BEFORE COMPLETING THIS SSAP TEMPLATE:

Please determine if the proposed project qualifies for any of the testing exclusions identified in N.J.A.C. 7:7 [Appendix G](#) and contact ODST to receive a confirmation that the testing exclusion is applicable to the project.



SEDIMENT SAMPLING & ANALYSIS PLAN (SSAP) FILE NUMBER REQUEST FORM

Dredge Site Information

Dredge Site Address: Lewes Ferry Terminal - 43 Cape Henlopen Dr.		County: Sussex	
City: Lewes	State: DE	Zip: 19958	
Site Block(s) & Lot(s): N/A			
Site NJ State Plane Coordinates	X: 38°46'52.84"N Y: 75° 7'8.48"W		
Project Description: The applicant proposes to dredge approximately 61,253 CY of material from the ferry terminal at a depth of -11.0 + 1.0 ft of over dredge. Material will be disposed of at a site owned by USACE located at approximately 38°57'23.20"N & 74°55'2.17"W. The Block and Lot of the CDF is B:753.01 L: 39.01.			
Previously Issued Permit No.(s) and if applicable, please provide a copy of the previous permit(s): 			

Applicant Information

Applicant Name: Delaware River and Bay Authority		
Phone Number: 302-571-6300	Email Address: brian.lutes@drba.net	
Address: 2162 New Castle Ave		
City: New Castle	State: DE	Zip: 19720-0071

Agent Information

Agent Name: Clare Mueller		
Phone Number: 609-923-9352	Email Address: Cmueller@sthe.com	
Address: 900 Dudley Ave		
City: Cherry Hill	State: NJ	Zip: 08002

**Submit the
Following
Attachments:**

- A figure identifying the geographic location of the project site.
- Hydrographic/survey plans with the following:
 - Plan must depict existing water depths at **mean low water (MLW)**.
 - Plan must identify project depths in feet below mean low water.
 - The notes section must state the date and time the hydrographic survey was conducted – **this must be within 6 months of the SSAP submittal date.**
 - Proposed dredge area must be outlined. Clearly identify areas of maintenance and/or new dredging
 - Identify the location of boat/vessel fueling stations within 500' of the project site.
 - Identify the locations of all outfalls or intakes within 500' of the project site.
 - Identify all in-water structures within and adjacent to the project site.
 - The proposed sample locations must be superimposed on the hydrographic survey unless you are requesting the Department to identify sample locations (see page 5).
 - See [Appendix G](#), Chapter III-A-2 for more details.
- A copy of any previously issued dredging permits and approved plans.

Proposed Dredging Plan

Please provide project information in the spaces provided below and check all applicable boxes:

Type of Dredging:

- ☒ Maintenance (N.J.A.C. 7:7-12.6) ☐ New dredging (N.J.A.C. 7:7-12.7)

Method of Dredging:

- ☐ Hydraulic ☒ Mechanical ☐ Jetting technology

Project-specific Information:

Extent of area to be dredged (square feet): 976,630

Proposed depth(s) of dredging (feet below MLW): -11.0

Proposed *overdredge depth (feet below MLW): +1.0

Estimated volume of sediment to be dredged (no overdredge) (cubic yards): 39,917

Estimated volume of overdredge (cubic yards): 19,027

Total estimated total volume of sediment to be dredged (cubic yards): 61,273

Known contaminated spill(s) adjacent to dredge area:

N/A.

***Overdredge Depth**

Overdredge depth is allocated for any inaccuracies due to the equipment or operator during dredging operations. Overdredge shall not be used as a means to advance beyond maintenance dredging depths or the authorized dredge depth.

Dredged Material & Water Management

Sediment Placement Area:

Please check all applicable boxes and provide the location of the placement area or other identifying placement site information such as permit(s), CDF name, etc., in the space provided below:

- ☐ Onsite
- ☐ Engineering with nature project
- ☐ Agriculture site
- ☐ Processed dredged material facility (mixed with Portland cement)
- ☐ Landfill or site remediation project
- ☒ Confined disposal facility
- ☐ Other use:

Placement Site Location & Additional Information:

38°57'23.20"N & 74°55'2.17"W.

Dewatering Methodology:

Please check all applicable boxes and provide a specific location of the dewatering site and details on methodology in the space provided below:

- ☐ Upland temporary dewatering area (hay bales/silt fences or *other* – please elaborate below)
- ☐ Scow
- ☐ Filter press
- ☐ Geotubes
- ☐ Polymer (check if possible use and elaborate on polymer name, if known, below)
- ☒ Confined disposal facility
- ☐ Other method:

Dewatering Site Location & Additional Information:

No Dewatering.

Sediment Core Sample Locations

Guidance on determining the proper number of cores for a project and appropriate core locations can be found in [Appendix G](#), Chapter III-D.

Request ODS to identify core sample locations? ☐ Yes ☒ No

Provide the information in the following table (or attach as separate sheet):

Sample ID Number	Location: Planned X*	Location: Planned Y*	Project Depth MLW	Proposed Overdredge
C-1	285330.8095	741258.4798	-11.0	+1.0
C-2	285483.0918	741385.6962	-11.0	+1.0
C-3	285862.9719	741363.1926	-11.0	+1.0
C-4	285294.5456	740731.2176	-8.0	+1.0
C-5	286060.8128	740949.0197	-11.0	+1.0
C-6	286327.6429	741112.3790	-11.0	+1.0
C-7	285708.6818	741095.0573	-11.0	+1.0
C-8	285854.7760	740968.5165	-11.0	+1.0

***Note:** All coordinates shall be in the NJ State Plane Coordinate System. The latitude and longitude of the planned sample locations can be approximated using [NJ-GeoWeb](#) or a similar mapping application.

Core Sample Compositing Scheme

Please refer to [Appendix G](#), Chapter III-D for core composite guidance and rationale.

Request ODST to identify core sample compositing scheme? ☐ Yes ☒ No

Provide the information in the following table (or attach as separate sheet):

Composite Sample ID Number	Core Sample ID Numbers
SC-1	(C1+C2)
SC-2	(C3+C7)
SC-3	(C5+C6+C8)
C-4	C-4 DISCRETE

Page 7 to completed by NJDEP-ODST –
[Proceed to Analytical Requirements section.](#)

Required Sediment and Water Sampling Tests

Tier I – Physical/Geotechnical:

Required for all projects:

- ☒ Grain Size Distribution (ASTM D422 or D4381)
- ☒ Total Organic Carbon (USEPA 440.0, USEPA SW-846 9060A, or equivalent method)
- ☒ Water Content (ASTMD653, D2216, D4643, Standard Method 2540D, or equivalent method)

Representative subsamples of each homogenized core sample (or distinct strata) and composite analytical sample must be analyzed for Grain Size Distribution, Total Organic Carbon (TOC), and percent moisture. Samples are also subjected to Bulk Sediment Chemistry, Standard & Modified Elutriate, Synthetic Precipitation Leaching Procedure, and Structural Fill Protocol, as specified below.

Individual sediment core samples comprised of greater than **90% sand** (analyzed using the **hydrometer** method) are excluded from **Tier II Testing** and must not be composited with other sediment samples.

Tier II – Chemical Analysis:

- ☒ Bulk Sediment Chemistry
- ☒ Effluent (Modified) Elutriate
- ☐ Standard Elutriate

Tier III – Leaching Tests:

- ☐ Synthetic Precipitation Leaching Procedure (SPLP)
 - Run SPLP analysis on any Bulk Sediment Chemistry Analytes that exceed the Soil Remediation Standards for the Migration to Groundwater Exposure Pathway (N.J.A.C. 7:26D Appendix 1, Table 5). Then compare SPLP results to the Soil Leachate Remediation Standards for the Migration to Groundwater Exposure Pathway (N.J.A.C. 7:26D Appendix 1, Table 6).
- ☐ Structural Fill Protocol (addition of Portland cement to raw dredge material and analysis for bulk sediment chemistry and SPLP)
 - All compounds identified on the following page for Bulk Sediment Chemistry analysis must also be performed for amended material and SPLP - see page 10, Reporting Requirement No. 20.

Disclaimer: Additional analytical tests may be required by the proposed dredge material management site beyond those required by the Department's SSAP. For example, if dredge material is proposed to be disposed of at a landfill as ID27, the applicant may be required to analyze for additional parameters (Ignitability, Corrosivity, Reactive Sulfide, Reactive Cyanide) for the landfill to accept the material.

Bulk Sediment Chemistry Analysis

- ☒ Semi-Volatile Compounds
- ☐ Volatile Organic Compounds (VOCs)
- ☐ Polychlorinated Dibenzo Dioxins and Furans (PCDDs and PCDFs; 17 congeners)
- ☒ Polychlorinated Biphenyls (PCBs): ☒ Aroclors ☐ PCB Congeners (209)
- ☒ Organochlorine Pesticides
- ☒ Inorganics (Metals) – Includes Hexavalent and Trivalent Chromium

Standard Elutriate and/or Modified Elutriate Analysis

- ☒ Semi-Volatile Compounds
- ☐ Volatile Organic Compounds (VOCs)
- ☐ Polychlorinated Dibenzo Dioxins and Furans (PCDDs and PCDFs; 17 congeners)
- ☒ Polychlorinated biphenyls (PCBs): ☒ Aroclors ☐ PCB Congeners (209)
- ☒ Organochlorine Pesticides
- ☒ Inorganics (Metals) – Includes Hexavalent and Trivalent Chromium

Analytical Requirements

All analytical procedures must be conducted by a laboratory certified by the Department to conduct that procedure pursuant to the Regulations Governing the Certification of Laboratories and Environmental Measurements (N.J.A.C. 7:18) or the National Environmental Laboratory Accreditation Program (NELAP). Use [NJDEP DataMiner](#) to verify the accreditation status of a laboratory by reviewing the laboratory's certificate and Annual Certified Parameter List issued by the NJDEP or you may contact the Office of Quality Assurance via email at OQA@dep.nj.gov or by phone at (609) 292-3950 to verify the status of laboratory.

The achieved analytical detection limits for all contaminants in the Target Analyte List must be less than the applicable regulatory criteria and guidance values to which the data will be compared when evaluating the potential impacts of the proposed project. The laboratory method detection limits (MDLs) must not exceed the regulatory standard.

Sampling Plan Implementation Requirements

If implementation of the approved SSAP does not provide data that are representative of, or fully characterizes, the sediment to be dredged, the Department may require the collection and analyses of additional sediment samples. Sediment core sampling collection procedures must be consistent with those in the [NJDEP Field Sampling Procedures Manual \(2022\)](#).

1. The Department must be notified of any deviations from the approved SSAP prior to the homogenizing, compositing, and analysis of the collected sediment samples.
2. All sediment core sample collection activities must be properly documented. Detailed fieldnotes/observations during sampling must be documented in a field sampling logbook.
3. [NJDEP GPS Data Collection Standards for GIS Data Development \(2017\)](#) must be used for positioning methods when locating all sampling points.
4. All sampling equipment must be properly cleaned before and after the collection of each individual sediment core sample.
5. An inert plastic liner must be used in conjunction with each sediment core sampling device; this plastic liner must not be reused.
6. All individual sediment core samples are to be taken to the sediment characterization depth, as specified in this document, and not any deeper.
7. When collecting sediment core samples, the project applicant must ensure that a sufficient volume of sediment is collected to conduct all of the tests (physical and geotechnical, chemical) specified in the approved SSAP.
8. Individual sediment core samples must be photographed prior to homogenization, with the sample identification number, a length scale, and date included in the photograph.
9. Provide core logs showing the depth of sampling (below the sediment surface and mean low water) and a qualitative description of the sediment for each individual sediment core sample.
10. Only sediment core samples collected correctly may be homogenized, composited, and analyzed.
11. Individual sediment core samples may be homogenized in their entirety for analysis provided that there no distinct strata (apparent grain size distribution, composition, and visual characteristics) present that are greater than two (2) feet in depth. The Department shall be notified of any sediment core samples that show grain size stratification prior to homogenizing.
12. The entire sediment core sample (or distinct strata, when present) must be homogenized – “representative” sub-samples of a non-homogenized sediment core sample must not be collected, composited, and analyzed.
13. Individual sediment core samples may be composited only if the grain size distribution of the sediment is similar. Individual samples should not be composited if the percentage clay, silt, or sand differ by more than 20%. The Department shall be notified of any sediment core samples that show varying grain size distribution prior to compositing samples.

14. Representative subsamples of each homogenized core sample (or distinct strata) are combined in unequal proportions (by mass) to form the composite analytical sample.
15. The sample preservation requirements and holding times for each analysis, as specified in the analytical methods used, must be adhered to, or proposed alternatives approved by the Department prior to analysis.
16. Sample Chain of Custody requirements must be consistent with those specified in the [NJDEP Field Sampling Procedures Manual](#) (2022).
17. If implementation of the approved SSAP does not provide data that are representative of, or fully characterizes, the sediment to be dredged, the Department may require the collection and analyses of additional sediment samples.
18. Analytical laboratories must follow all of the required QA/QC procedures specified in the analytical methods used. Any deviations from these procedures must be documented and justified in the Analytical Data Report.
19. All routine procedures associated with the sampling, handling, transport, storage, preservation, and analysis of the sediment should be specified in Standard Operating Procedure (SOP) documents maintained by the parties actually collecting and analyzing the sediment.
20. **For Structural Fill Protocol:**
 - The following two (2) tests are required:
 - For each core/composite sample/vertically stratified sample, a sample of the processed dredged material product will be created by combining measured amounts of proposed additive with a pre-weighed sample of the sediments to be dredged. The mixing time will, to the greatest extent possible, replicate the residence time in the blending facility/operation to be used in the actual full-scale project. The ratio of proposed additive to composite sediment sample, by weight, will be recorded. The dredged material product to be tested will be formed using the “recipe” (proportions of dredged material and proposed additive) which replicates the actual dredged material product to be used as structural fill on the site. The dredged material product will be pulverized, and each composite sample will be subjected to bulk sediment analyses.
 - The dredged material product samples will be pulverized, and each sample subjected to a Synthetic Precipitation Leaching Procedure (SPLP) using the USEPA Method 1312.
 - A final report must be submitted to the Department in a series of three (3) summary data tables: [1] Raw Sediment - Bulk Sediment Chemistry, [2] Dredged Material Product (Amended Material) - Bulk Sediment Chemistry, and [3] Dredged Material Product (Amended Material) - SPLP results.

Sample Collection & Laboratory Analysis

If known, **identify** the organizations that will conduct the following activities below:

Collection of samples: S.T. Hudson Engineers, Inc.

Lab analysis: Eurofin's Test America

Reporting Requirements

The sediment data package must be included in the Waterfront Development Permit application. Any data package submitted to the Department shall comply with the QA/QC requirements outlined in Appendix B of the [Dredging Manual](#). The package must be provided electronically. The data package must include summary tables of the laboratory results and associated method detection limits (MDLs) in a spreadsheet format. The summary tables must present a comparison of the data to the Department's standards, including all interim standards, as applicable (see below tab. The summary tables must present data with identical units and highlight all results that exceed applicable criteria. Where a standard does not exist, N/A or NS should be listed in the corresponding cell. **Units for sediment analyses must be presented in milligrams per kilogram (mg/kg) and units for all water analyses must be presented in micrograms per liter (µg/L).**

In addition:

- PCB Aroclor data must provide a summation for detected analytes.
- PCB Congener data must be presented individually and summed.
- Dioxin data must be presented using current [World Health Organization Toxic Equivalency Factors \(WHO TEFs\)](#) with the calculated Toxic Equivalency (TEQ).
- [Chromium Soil Cleanup Criteria \(2010\)](#)

Chemical Test	Medium	Dredging & Dewatering Method & Placement Area	Criteria Comparison & Link	Units
Bulk Sediment Chemistry	Sediment	• All dredging/dewatering methods and placement areas • Jetting	2021 Soil Remediation Standards for the Ingestion-Dermal and Inhalation Exposure Pathway – Residential & Non-residential (N.J.A.C. 7:26D – Appendix 1, Tables 1-4)	mg/kg
		• Aquatic/habitat placement	2009 Ecological Screening Criteria Sediment Freshwater Criteria & Saline Water Criteria	
Standard & Modified Elutriate	Water	• Aquatic/habitat placement • Hydraulic dredging with direct discharge • CDF placement • Jetting	2023 Surface Water Quality Criteria for Toxic Substances – Freshwater (FW2) & Saline Water (SE & SC) Criteria (N.J.A.C. 7:9B)	µg/L
SPLP	Raw & Amended Sediment	• Any offsite beneficial reuse	Soil Leachate Remediation Standards for the Migration to Ground Water Exposure Pathway (N.J.A.C. 7:26D – Appendix 1, Table 6)	µg/L
Structural Fill Protocol (includes SPLP)	Amended Sediment	• Applicable for DM originating from NY/NJ Harbor	2021 Soil Remediation Standards for the Ingestion-Dermal and Inhalation Exposure Pathway – Residential & Non-residential (N.J.A.C. 7:26D – Appendix 1, Tables 1-4)	mg/kg

SSAP Certifications

Agent Certification:

- ☒ I certify that I provided accurate information and will comply with the requirements listed in the approved Sediment Sampling and Analysis Plan.

Name:	Clare Mueller
Date:	5/26/26
Signature:	

Department Review & Approval:

- ☒ The Department hereby approves the Sediment Sampling and Analysis Plan dated for implementation.

- ☒ The project complies with the requirements of N.J.A.C. 7:7-4.14 Permit-by-registration 14 – Implementation of a sediment sampling plan for sampling in a water area as part of a dredging or dredged material management activity or as part of a remedial investigation of a contaminated site. The applicant must register for this permit by emailing luasu@dep.nj.gov and providing all information required under N.J.A.C. 7:7-3.5(b).

- ☐ This project does not qualify for N.J.A.C. 7:7-4.14 Permit-by-registration 14. Additional permits are necessary to implement the project such as N.J.A.C. 7:7-6.23 General permit 23 – Geotechnical survey borings or a Waterfront Development Individual In-water Permit.

DLRP File & Activity No.	9999-26-0002.1 - DRG260001
Approved Core Locations Depicted on the Following Plans:	"DELAWARE RIVER & BAY AUTHORITY; CAPE MAY-LEWES FERRY; LEWES TERMINAL," - SAMPLING PLAN, dwg. no. 1, rev. 2. Dated 3/17/26, last revised 5/27/26.
ODST Staff:	Serena Lutz
Approval Date:	6/4/2026
Signature:	

SECTION 7

ESA MAPPER NMFS

26-073

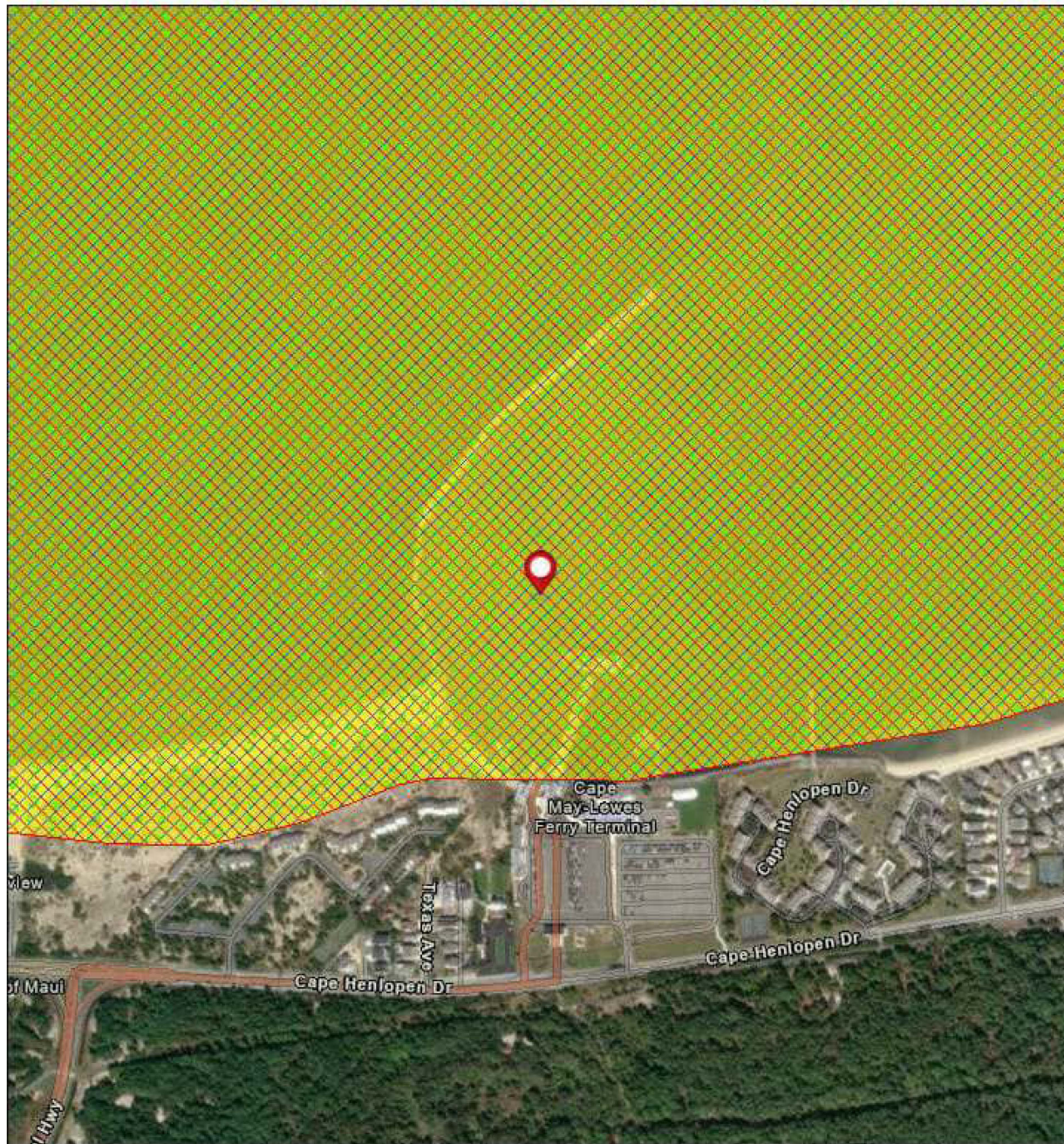
USACE – LEWES FERRY TERMINAL
SEPTEMBER 2026

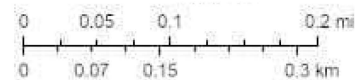


DRBA LEWES FERRY TERMINAL SECTION 7 MAPPER

Area of Interest (AOI) Information

May 14 2026 15:09:38 Eastern Day <https://utility.arcgisonline.com/arcgis/rest/directories/arcgisoutput/Utilities/Printing>





Varior

Summary

Name	Count	Area(ft ²)	Length(ft)
Atlantic Sturgeon	3	N/A	N/A
Shortnose Sturgeon	1	N/A	N/A
Atlantic Salmon	0	N/A	N/A
Sea Turtles	5	N/A	N/A
Atlantic Large Whales	5	N/A	N/A
In or Near Critical Habitat	0	N/A	N/A

Atlantic Sturgeon

#	Feature ID	Species	Life Stage	Behavior	Zone
1	ANS_DEB_ADU_MAF	Atlantic sturgeon	Adult	Migrating & Foraging	Delaware Bay
2	ANS_DEB_JUV_MAF	Atlantic sturgeon	Juvenile	Migrating & Foraging	Delaware Bay
3	ANS_DEB_SUB_MAF	Atlantic sturgeon	Subadult	Migrating & Foraging	Delaware Bay

#	From	Until	From (2)	Until (2)	Area(ft ²)
1	01/01	12/31	Sturgeon	Acipenser oxyrinchus oxyrinchus	N/A
2	01/01	12/31	Sturgeon	Acipenser oxyrinchus oxyrinchus	N/A
3	01/01	12/31	Sturgeon	Acipenser oxyrinchus oxyrinchus	N/A

Shortnose Sturgeon

#	Feature ID	Species	Life Stage	Behavior	Zone
1	SNS_DEB_ADU_MAF	Shortnose sturgeon	Adult	Migrating & Foraging	Delaware Bay

#	From	Until	From (2)	Until (2)	Area(ft²)
1	04/01	11/30	N/A	N/A	N/A

Sea Turtles

#	Feature ID	Species	Life Stage	Behavior	Zone
1	GRN_STS_AJV_MAF	Green sea turtle	Adults and juveniles	Migrating & Foraging	Massachusetts (S of Cape Cod) through Virginia
2	KMP_STS_AJV_MAF	Kemp's ridley sea turtle	Adults and juveniles	Migrating & Foraging	Massachusetts (S of Cape Cod) through Virginia
3	KMP_STN_AJV_MAF	Kemp's ridley sea turtle	Adults and juveniles	Migrating & Foraging	Maine to Massachusetts (N of Cape Cod)
4	LTR_STS_AJV_MAF	Leatherback sea turtle	Adults and juveniles	Migrating & Foraging	Massachusetts (S of Cape Cod) through Virginia
5	LOG_STS_AJV_MAF	Loggerhead sea turtle	Adults and juveniles	Migrating & Foraging	Massachusetts (S of Cape Cod) through Virginia

#	From	Until	From (2)	Until (2)	Area(ft²)
1	5/1	11/30	No Data	No Data	N/A
2	5/1	11/30	No Data	No Data	N/A
3	6/1	11/30	No Data	No Data	N/A
4	5/1	11/30	No Data	No Data	N/A
5	5/1	11/30	No Data	No Data	N/A

Atlantic Large Whales

#	Feature ID	Species	Life Stage	Behavior	Zone
1	RIT_WRS_AJV_MIG	North Atlantic right whale	Adults and juveniles	Migrating	Mid-Atlantic (Cape Cod, MA to VA)
2	FIN_WFS_AJV_MIG	Fin whale	Adults and juveniles	Migrating	Mid-Atlantic (Cape Cod, MA to VA)
3	FIN_WFS_AJV_WIN	Fin whale	Adults and juveniles	Overwintering	Mid-Atlantic (Cape Cod, MA to VA)
4	FIN_WFS_AJV_FOR	Fin whale	Adults and juveniles	Foraging	Mid-Atlantic (Cape Cod, MA to VA)
5	FIN_WFS_ADU_CLV	Fin whale	Adult	Calving	Mid-Atlantic (Cape Cod, MA to VA)

#	From	Until	From (2)	Until (2)	Area(ft ²)
1	1/1	12/31	<i>No Data</i>	<i>No Data</i>	N/A
2	1/1	12/31	<i>No Data</i>	<i>No Data</i>	N/A
3	11/1	1/31	<i>No Data</i>	<i>No Data</i>	N/A
4	1/1	12/31	<i>No Data</i>	<i>No Data</i>	N/A
5	10/1	1/31			N/A

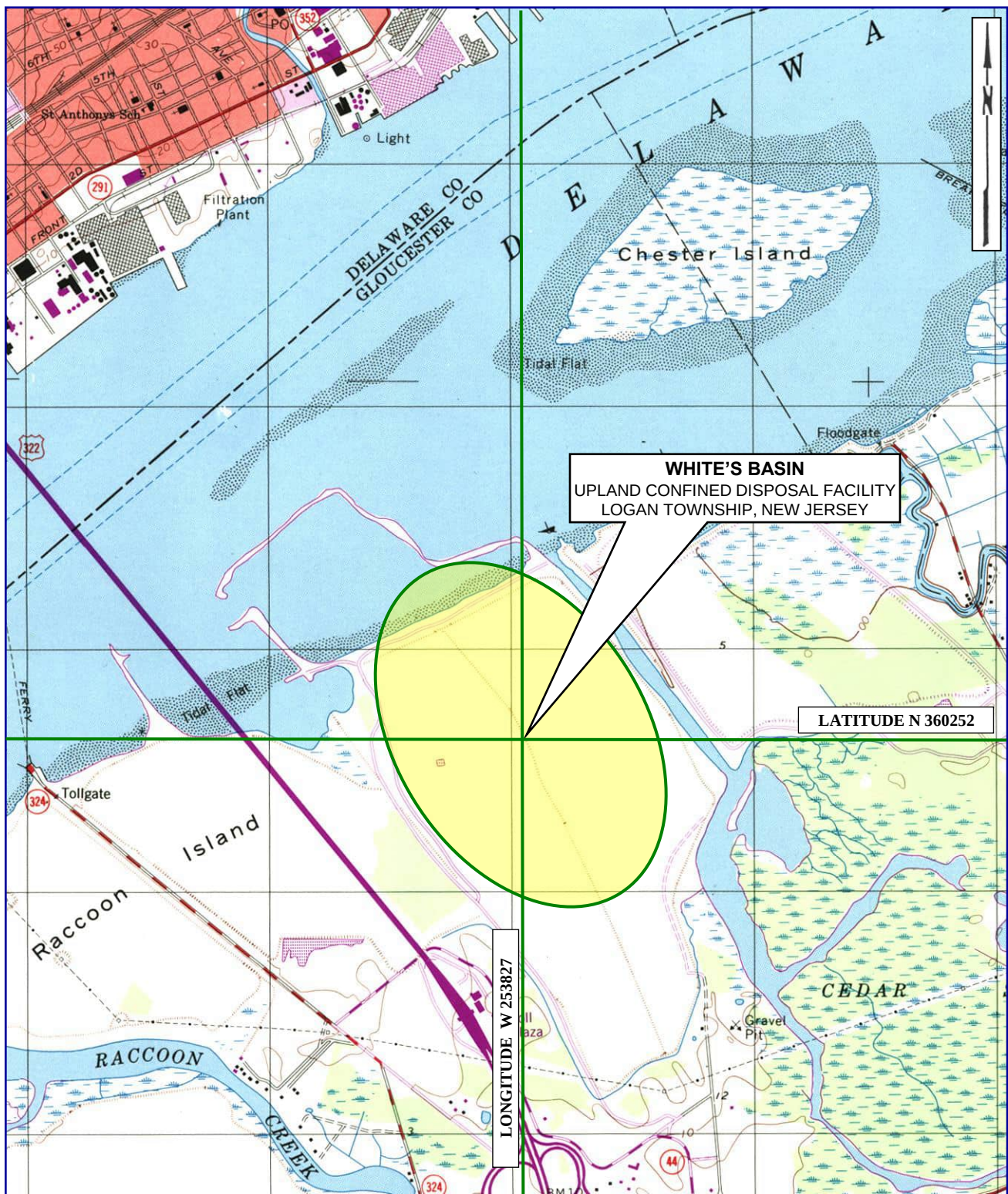
DISCLAIMER: Use of this App does NOT replace the Endangered Species Act (ESA) Section 7 consultation process; it is a first step in determining if a proposed Federal action overlaps with listed species or critical habitat presence. Because the data provided through this App are updated regularly, reporting results must include the date they were generated. The report outputs (map/tables) depend on the options picked by the user, including the shape and size of the action area drawn, the layers marked as visible or selectable, and the buffer distance specified when using the "Draw your Action Area" function. Area calculations represent the size of overlap between the user-drawn Area of Interest (with buffer) and the specified S7 Consultation Area. Summary table areas represent the sum of these overlapping areas for each species group.

SECTION 8

**MATERIAL ACCEPTANCE LETTER
(WILL FORWARD WHEN RECEIVED)**

26-073

USACE – LEWES FERRY TERMINAL
SEPTEMBER 2026



PROJECT SITE LOCATION MAP

UNITED STATES GEOLOGIC SURVEY QUADRANGLE
BRIDGEPORT, NEW JERSEY - PENNSYLVANIA
SCALE 1:24000 (1"=2000')

SECTION 9

**PREVIOUSLY ISSUED
DNREC PERMIT**

26-073

USACE – LEWES FERRY TERMINAL
SEPTEMBER 2026



STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES & ENVIRONMENTAL CONTROL
OFFICE OF THE SECRETARY

**DELAWARE COASTAL
MANAGEMENT PROGRAM**

**5 E. REED STREET, SUITE 201
DOVER, DELAWARE 19901**

**Phone: (302) 739- 9283
Fax: (302) 739-2048**

July 14, 2011

Bruce Pringle
S.T. Hudson Engineers, Inc.
840 Cooper Street
Fourth Floor
Camden, New Jersey 08102

RE: Delaware Coastal Management Program Federal Consistency Determination
Lewes Ferry Terminal Maintenance Dredging (FC 2011.0043)

Dear Mr. Pringle:

The Delaware Coastal Management Program (DCMP) has reviewed your consistency determination request for the above mentioned project. Based upon our review and pursuant to National Oceanic & Atmospheric Administration regulations (15 CFR 930), the DCMP concurs with your consistency determination to mechanically dredge to a depth of 11 ft below MLLW, removing approximately 57,780 cubic yards of material during four dredge cycles, the Lewes Ferry Terminal in Lewes, DE in the Delaware Bay.

This concurrence is conditioned upon the following:

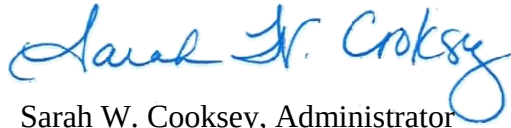
- 1) Dredging Restrictions: The proposed activity is in an area utilized summer/winter founder, species are of local and regional concern. The protection of spawning areas and nursery habitats during the spawning season is important in maintaining these fisheries resources. As such, all dredging activity should be scheduled to avoid spawning activity and should not be conducted from January 1 to August 30. (DCMP Policies 5.11.1.1 and 5.11.2.1);
- 2) Water Quality: Dredging and dewatering shall be conducted in a manner such that Delaware Surface Water Quality Standards will not be violated, excluding whatever

temporary and minimal turbidity is unavoidable when using sound dredging and dewatering practices. (DCMP Policies 5.3.1.4, 5.3.1.6, and 5.3.2.7); and

- 3) The issuance of all required permits/authorizations and adherence to the restrictions and/or conditions placed on any and all permits/authorizations issued to the applicant for this project.

If you have any questions, please contact me or Bonnie Arvay of my staff at (302) 739-9283.

Sincerely,



Sarah W. Cooksey, Administrator
Delaware Coastal Management Program

cc: File 2011.0043
Joanne Lee – DNREC/DW

SECTION 10

**PREVIOUSLY ISSUED
NJDEP WQC PERMIT**

26-073

USACE – LEWES FERRY TERMINAL
SEPTEMBER 2026



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF DREDGING AND SEDIMENT TECHNOLOGY

P.O. BOX 420
MAIL CODE #401-06C

TRENTON, NEW JERSEY 08625-0420
(609) 292-1250
FAX: (609) 777-1914

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

June 21, 2011

Mr. Bruce Pringle
S.T. Hudson Engineers, Inc.
800 Hudson Square
P.O. Box 9106
Camden, NJ 08101

RE: CZM Consistency Determination / Water Quality Certificate / Acceptable Use
Determination
File No: 0000-11-0002.1; CDT110002
Applicant: Delaware River & Bay Authority (DRBA)
Project: Lewes Ferry Terminal Basin, Lewes, DE

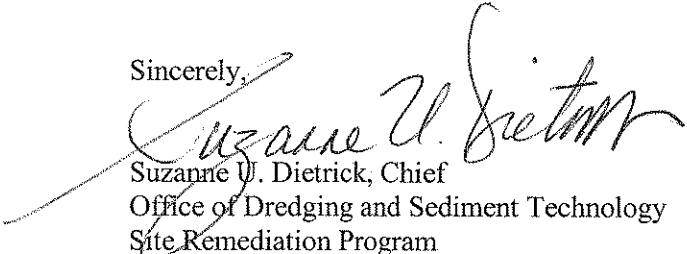
Dear Mr. Pringle:

Enclosed, please find an approved Consistency Determination, Water Quality Certificate and Acceptable Use Determination. Please read the permit and its terms and conditions carefully. If you consider yourself aggrieved by our decision regarding your application, you may request a hearing by completing the requirements of the attached *Administrative Hearing Request Checklist and Tracking Form*. Unless you request a hearing to contest this permit or its conditions, you have accepted its terms and conditions.

You are required to keep a copy of your permit and the approved drawings at the construction site for the duration of the project. Failure to do so is a violation of the permit.

Please contact the Office's project manager, listed on the first page of the permit, to discuss any concerns or questions you may have. Thank you for working with the staff of the Office to protect our State's natural resources.

Sincerely,


Suzanne U. Dietrick, Chief
Office of Dredging and Sediment Technology
Site Remediation Program

c: David Caplan, USACE, Philadelphia District-Regulatory Branch

ADJUDICATORY HEARING REQUEST CHECKLIST AND TRACKING FORM

I. Permit Being Appealed:

Facility Name

Issuance Date of Final Permit Decision

Permit Number

II. Person Requesting Hearing:

Name/Organization

Name of Attorney (if applicable)

Address

Address of Attorney

Telephone Number

Telephone Number of Attorney

III. Please include the following information as part of your request:

- A. The date the permittee received the permit;
- B. A copy of the Denial of Permit and a list of all issues being appealed;
- C. The legal and factual questions at issue;
- D. A statement as to whether you raised each legal and factual issue during the public comment period;
- E. An estimate of the amount of time required for the hearing;
- G. A request, if necessary, for a barrier-free hearing location for disabled persons;
- H. A clear indication of any willingness to negotiate a settlement with the Department prior to the Department's processing of your hearing request to the Office of Administrative Law; and
- I. This form, completed, signed and dated with all of the information listed above, including attachments, to:
 - 1. Office of Legal Affairs
ATTENTION: Adjudicatory Hearing Requests
Department of Environmental Protection
401 East State Street
PO Box 402, Trenton, New Jersey 08625-0402
 - 2. Suzanne Dietrick, Chief
Office of Dredging and Sediment Technology
401 East State Street
PO Box 028, Trenton, New Jersey 08625-0029
 - 3. Any other person named on the permit (if you are a permittee under that permit).
 - 4. The permittee(s) (if you are a person seeking consideration as a party to the action).

IV. Signature: _____

Date: _____



STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SITE REMEDIATION PROGRAM
OFFICE OF DREDGING AND SEDIMENT TECHNOLOGY
401 East State Street, P.O. Box 420



Trenton, NJ 08625
Phone: (609) 292-1250
FAX: (609) 777-1914

PERMIT

In accordance with the laws and regulations of the State of New Jersey, the Department of Environmental Protection hereby grants this permit to perform the activities described below. This permit is revocable with due cause and is subject to the limitations, terms and conditions listed below and on the attached pages. For the purpose of this document, "permit" means "approval, certification, registration, authorization, waiver, etc." Violation of any term, condition or limitation of this permit is a violation of the implementing rules and may subject the permittee to enforcement action.

Approval Date: June 21, 2011

Expiration Date: June 20, 2016

Permit Number/s:

0000-11-0002.1, CDT110002

Type of Approval/s:

Consistency Determination
Water Quality Certificate,
Acceptable Use Determination

Enabling Statute/s:

NJSA 12:5-3
NJSA 58:10A

Applicant:

Delaware River & Bay Authority (DRBA)
Rt. 295 @ the Delaware Memorial Bridge
New Castle, DE 19720

Project Location

Delaware River & Bay Authority (DRBA)
43 Cape Henlopen Drive
Lewes DE, 19958

Description of Authorized Activities and Limit of Disturbance:

Perform maintenance dredging removing 57,780 yd³ of sediment to a project depth of -11' MLW plus 2' overdredge at the DRBA Ferry Terminals located in Lewes Delaware. Dredging shall occur by mechanical means using a closed-clamshell environmental bucket. Dredged material will be transported via barge and disposed at either the American Atlantic Company Whites Basin dredged material management facility located in Logan Township, Gloucester County or fluidized and pumped into the DRBA Cape May CDF located in North Cape May, Cape May County, New Jersey.

Subsequent dredging events may be authorized during the 5-year permit term subject to the conditions of the Acceptable Use Determination.

Dredging shall be limited to the project depth shown on the approved plans. Two feet (2') of allowable overdredge is authorized for all areas. The dredging project is shown on sheet plans 1 and 2 of 2 entitled: "PERMIT APPLICATION, Proposed Maintenance Dredging at Lewis Delaware, County of Sussex; Application By: Delaware River & Bay Authority; Prepared by S. T. Hudson Engineers, Inc." and dated February 9, 2011.

THIS PERMIT IS NOT EFFECTIVE AND NO CONSTRUCTION APPROVED BY THIS PERMIT OR OTHER REGULATED ACTIVITY MAY BE UNDERTAKEN UNTIL THE APPLICANT HAS SATISFIED ALL PRE-CONSTRUCTION CONDITIONS AS SET FORTH IN THIS PERMIT PURSUANT TO N.J.A.C. 7:7E-1.5(b).

Prepared by:

David Q. Risilia

Date:

6/21/11

This permit is not valid unless authorizing signature appears on the last page.

STANDARD CONDITIONS:

1. Extent of approval:
 - a This document grants permission to perform certain activities that are regulated by the State of New Jersey. The approved work is described by the text of this permit and is further detailed by the approved drawings listed herein. All work must conform to the requirements, conditions and limitations of this permit and all approved drawings.
 - b If you alter the project without prior approval, or expand work beyond the description of this permit, you may be in violation of State law and may be subject to fines and penalties. Approved work may be altered only with the prior written approval of the Department.
 - c You must keep a copy of this permit and all approved drawings readily available for inspection at the work site.
2. Acceptance of permit: If you begin any activity approved by this permit, you thereby accept this document in its entirety, and the responsibility to comply with the terms and conditions. If you do not accept or agree with this document in its entirety, do not begin construction. You are entitled to request an appeal within a limited time as detailed on the attached *Administrative Hearing Request Checklist and Tracking Form*.
3. Notice of Construction: You must notify the Department in writing prior to beginning any work approved by this permit
4. Expiration date: All activities authorized by this permit must be completed by the expiration date shown on the first page unless otherwise extended by the Division. At that time, this permit will automatically become invalid and none of the approved work may begin or continue until a replacement permit is granted. (Some permits may qualify for an extension of the expiration date. Please contact the Department for further information.)
5. Rights of the State:
 - a This permit is revocable and subject to modification by the State with due cause.
 - b Representatives from the State have the statutory authority to enter and inspect this site to confirm compliance with this permit and may suspend construction or initiate enforcement action if work does not comply with this permit.
 - c This permit does not grant property rights. The issuance of this permit shall not affect any action by the State on future applications, nor affect the title or ownership of property, nor make the State a party in any suit or question of ownership.
6. Other responsibilities: You must obtain all necessary local, Federal and other State approvals before you begin work.

Consistency Determination and Water Quality Certificate

The Rules on Coastal Zone Management (N.J.A.C. 7:7E) constitute New Jersey's enforceable policies under its federally approved Coastal Zone Management Program. The project has been reviewed under the following Rules of Coastal Zone Management: Finfish Migratory Pathways (7:7E-3.5), Navigational Channels (7:7E-3.7), Endangered or Threatened Wildlife or Plant Species Habitat (7:7E-3.38), Maintenance Dredging (7:7E-4.6), Dredged Material Disposal (7:7E-4.8), Dredged Material Placement on Land (7:7E-7.12), Marine Fish and Fisheries (7:7E-8.2), and Water Quality (7:7E-8.4).

Based on the information provided in the application, the Office of Dredging and Sediment Technology hereby certifies that the subject project is consistent with the Rules on Coastal Zone Management, and has determined that the project is not likely to cause a violation of New Jersey's Surface Water Quality Standards (N.J.A.C. 7:9B-1.1 et seq.) provided that the specific conditions noted below are met. Therefore, this consistency determination includes the State's Water Quality Certification pursuant to Section 401 of the federal Water Pollution Control Act (33 USC 1251 et seq.) subject to specific conditions listed below.

This determination and certification is contingent upon compliance with the following conditions:

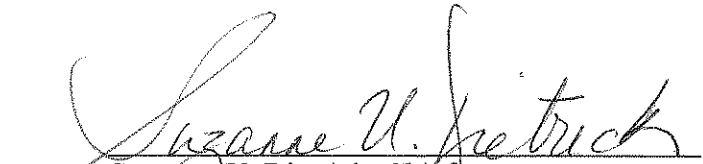
Dredging and Dredged Material Conditions

1. All necessary local, Federal, and other State approvals must be obtained by the applicant prior to the commencement of the authorized activities.
2. Prior to the initiation of dredging the permittee shall receive United States Army Corps of Engineering authorization for the project. A copy of said authorization shall be forwarded to this office upon receipt.
3. Dredging shall comply with the restricted time periods specified in the Delaware Basin Fish and Wildlife Management Cooperative's dredging schedule as currently modified.
4. Dredging shall be limited to an authorized project depth of eleven feet below mean low water (-11 MLW), plus two feet (2') of allowable overdredge.
5. Disposal of dredged materials will be subject to the standard minimum 24-hr settling time within the CDF.
6. Sediment sampling shall be required prior to each subsequent dredging event. See Acceptable Use Determination condition #3 below.
7. Dredging shall occur using a closed clamshell environmental bucket.

8. The dredge shall be operated so as to control the rate of descent of the bucket so as to maximize the vertical cut of the clamshell bucket while not penetrating the sediment beyond the vertical dimension of the open bucket (i.e. overfilling the bucket). This will reduce the amount of free water in the dredged material, will avoid overfilling the bucket, and minimize the number of dredge bucket cycles needed to complete the dredging contract.
9. Dredged material shall be deliberately placed within barges in order to prevent spillage of material overboard. The gunwales of the dredge scows shall not be rinsed during dredging.
10. Pre- and post-dredge surveys shall be performed for each dredging event. The results of these surveys and a calculation of the quantity of dredged material removed shall be submitted to the Office of Dredging and Sediment Technology within ninety (90) days of completion of each dredging event.
11. Violations of any of the conditions of this Water Quality Certificate will be considered violation of the New Jersey Water Pollution Control Act, NJSA 58:1-A-1 et seq., and subject to the penalties included therein.
12. Prior to transfer and/or disposal at the American Atlantic Company Whites Rehandling Basin located in Logan Township, the permittee DRBA, must receive a written letter of acceptance for the disposal of the material.
13. This permit authorizes the placement of approximately of 57,780 yd³ of dredged material at the American Atlantic Company Whites Rehandling Basin located in Logan Township, Gloucester County, New Jersey. Deposition therein is subject to the terms and conditions of Permit No. 0809-08-0010.1. This approval also authorizes the alternative for placement at the DRBA Cape May CDF located in North Cape May, Cape May County, New Jersey subject to the terms and conditons of File No: 0505-01-0007.1 WQC . In the event the DRBA Cape May CDF is used for disposal the materials transported by barge to the site will be fluidized and pumped in to the CDF.
14. Subsequent maintenance dredging events may be authorized under this permit subject to the following conditions:
 - a) Written authorization for each subsequent maintenance dredging event, in the form of a modification to this Acceptable Use Determination, must be obtained from the Office of Dredging and Sediment Technology prior to said event.
 - b) Requests for authorization for subsequent maintenance dredging events shall include the following:
 - i. Sediment sampling results obtained in accordance with a sampling plan approved by the Office of Dredging and Sediment Technology;
 - ii. Current hydrographic survey including a calculation of the quantity of sediment to be dredged; and

- iii. Written consent from the proposed dredged material management site to accept the specified quantity of dredged material.
- c) Any alternate disposal/use location must obtain all required state, local and federal permits.

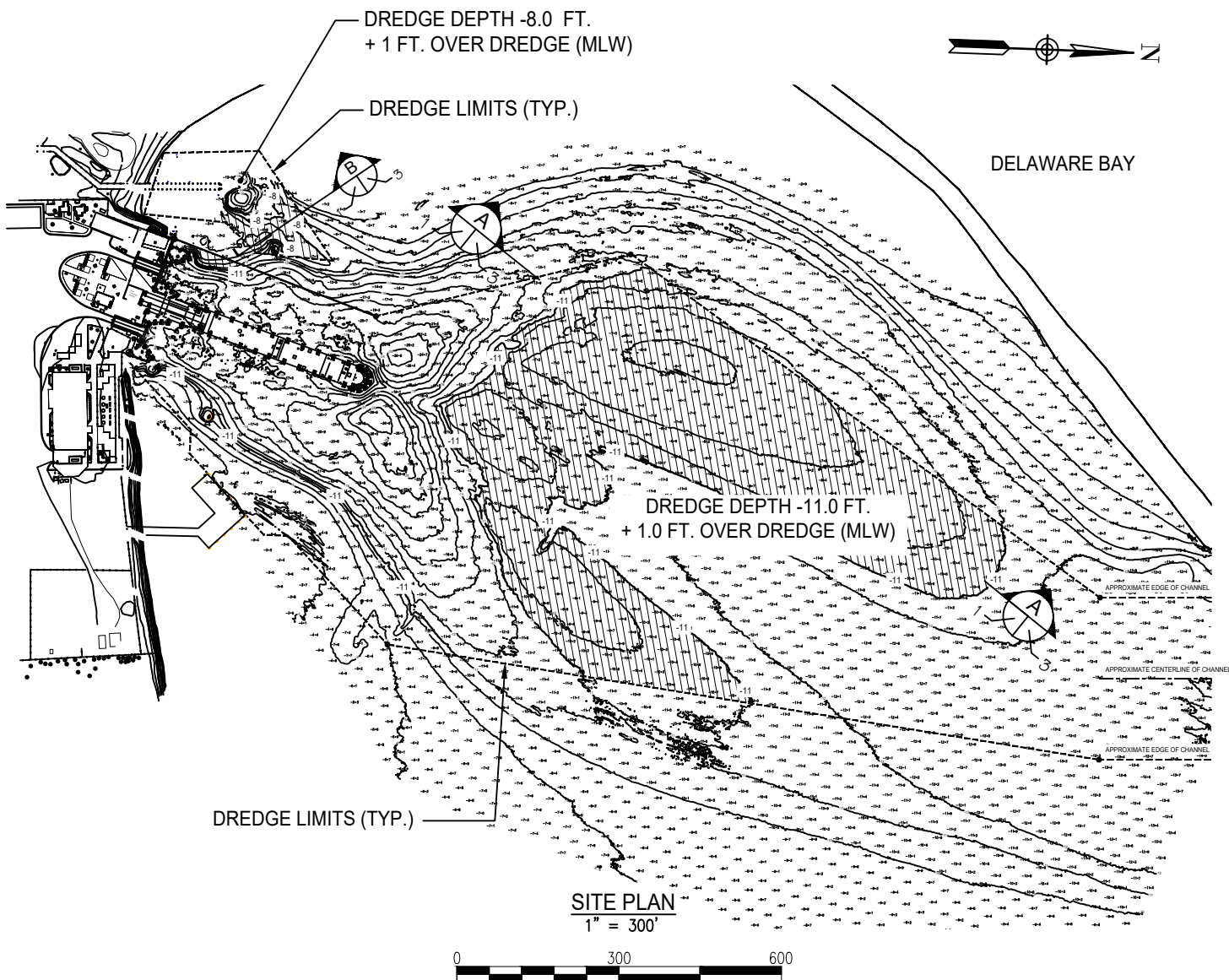
6/21/11
DATE


Suzanne U. Dietrick, Chief
Office of Dredging and Sediment Technology

SECTION 11
PERMIT DRAWINGS

26-073

USACE – LEWES FERRY TERMINAL
SEPTEMBER 2026



ADJACENT PROPERTY OWNERS:

1. CAPE HENELOPEN STATE PARK
2. JOHNNIE WALKER BEACH

TOTAL DREDGE AREA = 416,137 SQUARE FEET

TOTAL DREDGE VOLUME = 50,945 CUBIC YARDS
(INCLUDING +1' OVER DREDGE MLW)

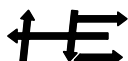
DATUM CHART

TOP OF S.S.P. @ E 1+00 EL. 10.58 MLW		
HIGH TIDE LINE	+5.44'	
MEAN HIGH WATER	+5.00	
NAVD 88	+2.79'	10.58'
MEAN LOW WATER (MLW) 0.0		2.79'

FILE No. D-2547
CONTRACT No. 26-073
DATE 4/7/2026
SHEET No. 1 of 3

NOTE: FINAL DESIGN REQUIRED FOR CONSTRUCTION.

THIS DRAWING IS FOR PERMITTING PURPOSES ONLY.
S.T. HUDSON ENGINEERS, INC.
PROFESSIONAL ENGINEERS & CONSULTANTS



900 Dudley Avenue
Cherry Hill, NJ 08002
Phone 856-342-6600
Fax No. 856-342-8323

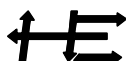
PROPOSED:	MAINTENANCE DREDGING
AT:	LEWES FERRY TERMINAL
COUNTY OF:	SUSSEX
APPLICATION BY:	DELAWARE RIVER AND BAY AUTHORITY

MULTIBEAM HYDROGRAPHIC SURVEY NOTES:

1. ALL SOUNDINGS WERE CONDUCTED USING:
 - APPLANIX POSMV WAVEMASTER II NAVIGATION AND MOTION SENSOR FOR POSITIONING, HEADING, ATTITUDE, HEAVE AND VELOCITY, BLENDING GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) WITH AN INERTIAL MEASUREMENT UNIT(IMU) AND GPS AZIMUTH MEASUREMENT SYSTEM (GAMS), AND APPLANIX POSPac MMS (MOBILE MAPPING SUITE),
 - QPS Qinsy ACQUISTION SOFTWARE
 - NORBIT B41 MULTIBEAM ECHOSOUNDER
 - NORBIT B41 SOUND VELOCITY SENSOR (SVS) LOCATED AT THE SONAR HEAD MOUNT
 - AML SVP SOUND VELOCITY PROFILER
2. VERTICAL CONTROL WAS OBTAINED FROM KEYNET GPS (TRIMBLE VIRTUAL REVERENCE STATION NETWORK)REAL-TIME KINEMATIC (RTK) CORRECTIONS TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. ALL CHANNEL AND BREAKWATER INFORMATION WAS TAKEN FROM NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA), CHART No. 12216, SCALE 1:10,000
4. SOUNDINGS WERE TAKEN ON MONDAY MARCH 9, 2026.
5. THE DECIMAL POINT (.) INDICATES THE SOUNDING LOCATION.
6. SOUNDINGS ARE REFERENCED TO MEAN LOW WATER (MLW) AND EXPRESSED IN FEET AND TENTHS OF A FOOT.
7. CONTOURS WERE INTERPOLATED WITH TRIMBLE NAVIGATION LIMITED SOFTWARE, TERRAMODEL VERSION 10.61.
8. CROSS HATCHING INDICATES AREA ABOVE SPECIFIED DREDGE DEPTH
9. THE INFORMATION DEPICTED IN THIS DRAWING REPRESENTS THE RESULTS OF SURVEYS CONDUCTED ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
10. TOP OF S.S.P. AT STATION E1+00 OBTAINED FROM HISTORICAL DRAWINGS. (NOT VERIFIED)

NOTE: FINAL DESIGN REQUIRED FOR CONSTRUCTION.

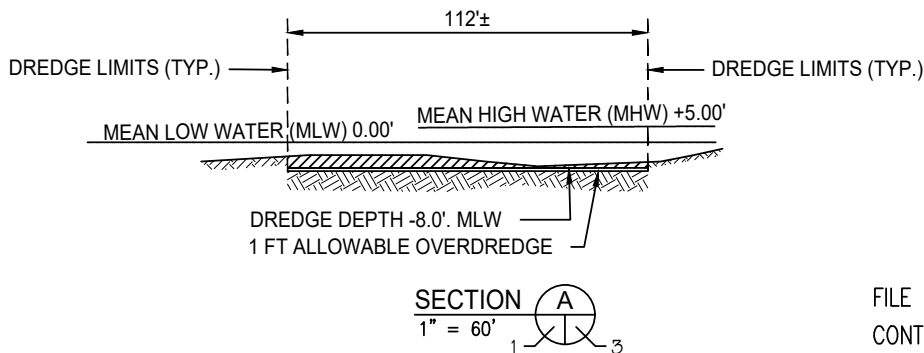
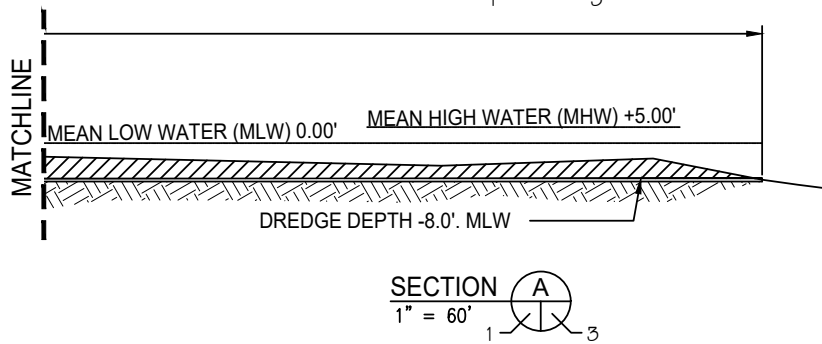
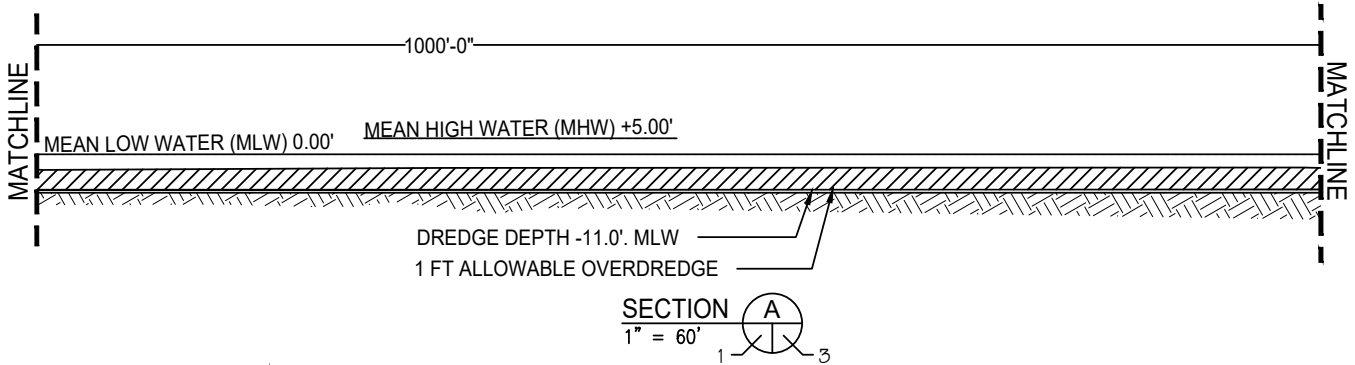
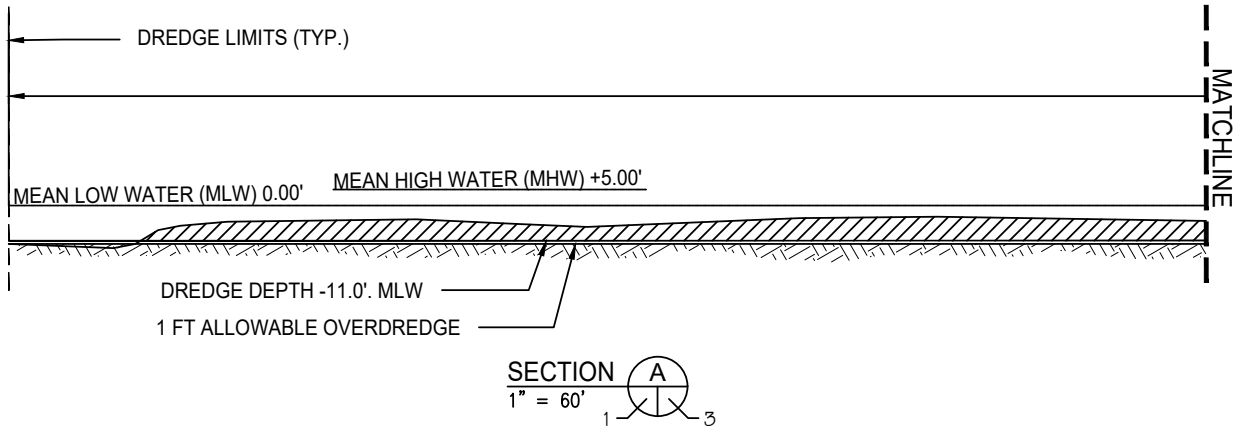
THIS DRAWING IS FOR PERMITTING PURPOSES ONLY.
S.T. HUDSON ENGINEERS, INC.
PROFESSIONAL ENGINEERS & CONSULTANTS



900 Dudley Avenue
Cherry Hill, NJ 08002
Phone 856-342-8800
Fax No. 856-342-8323

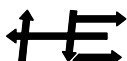
FILE No. D-2547
CONTRACT No. 26-073
DATE 4/7/2026
SHEET No. 2 of 3

PROPOSED:	MAINTENANCE DREDGING
AT:	LEWES FERRY TERIMINAL
COUNTY OF:	SUSSEX
APPLICATION BY:	DELAWARE RIVER AND BAY AUTHORITY



NOTE: FINAL DESIGN REQUIRED FOR CONSTRUCTION.

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900 Dudley Avenue
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FILE No. D-2547
 CONTRACT No. 26-073
 DATE 4/7/2026
 SHEET No. 3 of 3

PROPOSED:	MAINTENANCE DREDGING
AT:	LEWES FERRY TERMINAL
COUNTY OF:	SUSSEX
APPLICATION BY:	DELAWARE RIVER AND BAY AUTHORITY

APPENDIX A

**RAW DATA ANALYTICAL TABLE
(UNDER SEPARATE COVER)**

APPENDIX B
**BULK SEDIMENT
&
ELUTRIATE ANALYTICAL TABLE**

26-073

USACE – LEWES FERRY TERMINAL
SEPTEMBER 2026

N.J.A.C. 7:26D Soil Remediation Standards BULK SEDIMENT CHEMISTRY DRBA LEWES FERRY TERMINAL

All Units Expressed in mg/kg

DRBA

CAS No.	Contaminant	Analyte in Report	Soil Remediation Standard Ingestion- Dermal Nonresidential - Table 2	Soil Remediation Standard Inhalation Nonresidential - Table 4	C-4 DISCRET E	Q	MDL	SC-2 (C3+C7)	Q	MDL	SC-3 (C5+C6+ C8)	Q	MDL
83-329	Acenaphthene	Acenaphthene	50000	NA	0.0034	J	0.001	0.0080		0.002	0.0040	J	0.002
67-641	Acetone (2-Propanone)	Acetone	NA	NA	0	0	0	0	0	0	0	0	0
98-862	Acetophenone	Acetophenone	130000	NA	0.065	U	0.011	0.073	U	0.013	0.081	U	0.014
309 00-2	Aldrin	Aldrin	0.21	NA	0.00040	U	0.00013	0.00045	U	0.00014	0.00051	U	0.00016
742990-5	Aluminum (total)	Aluminum	NA	NA	9200		19	18000		20	20000		23
120 12-7	Anthracene	Anthracene	250000	NA	0.013		0.0017	0.014		0.0019	0.012		0.0021
744036-0	Antimony (total)	Antimony	520	NA	0.39	U	0.16	0.18	J	0.16	0.46	U	0.18
744038-2	Arsenic (total)	Arsenic	19	5200	9.5		0.26	17		0.27	17		0.31
191224-9	Atrazine	Atrazine	3200	NA	0.065	U	0.014	0.073	U	0.016	0.081	U	0.018
744039-3	Barium (total)	Barium	260000	NA	25		0.43	45		0.44	49		0.50
100 52-7	Benzaldehyde	Benzaldehyde	910	NA	0.065	U	0.0040	0.073	U	0.0045	0.081	U	0.0050
71-432	Benzene	Benzene	16	11	0	0	0	0	0	0	0	0	0
56-553	Benzo(a)anthracene (1,2-Benzanthracene)	Benzo[a]anthracene	23	370000	0.029		0.0029	0.026		0.0033	0.031		0.0036
50-328	Benzo(a)pyrene	Benzo[a]pyrene	2.3	16000	0.021		0.0028	0.020		0.0031	0.024		0.0035
205 99-2	Benzo(b)fluoranthene (3,4-Benzofluoranthene)	Benzo[b]fluoranthene	23	370000	0.039		0.0016	0.026		0.0018	0.034		0.0020
207 08-9	Benzo(k)fluoranthene	Benzo[k]fluoranthene	230	NA	0.018		0.0019	0.014		0.0022	0.011		0.0024
744041-7	Beryllium	Beryllium	2600	9300	0.41		0.047	0.74		0.048	0.81		0.055
92-524	1,1'-Biphenyl	1,1'-Biphenyl	450	NA	0.032	U	0.012	0.036	U	0.013	0.040	U	0.015
111 91-1	Bis(2-chloroethoxy)methane	Bis(2-chloroethoxy)methane	2700	NA	0.032	U	0.012	0.036	U	0.013	0.040	U	0.015

CAS No.	Contaminant	Analyte in Report	Soil Remediation Standard Ingestion- Dermal Nonresidential - Table 2	Soil Remediation Standard Inhalation Nonresidential - Table 4	C-4 DISCRET E	Q	MDL	SC-2 (C3+C7)	Q	MDL	SC-3 (C5+C6+ C8)	Q	MDL
111 44-4	Bis(2-chloroethyl)ether	Bis(2-chloroethyl)ether	3.3	NA	0.0065	U	0.002 0	0.0073	U	0.002 2	0.0081	U	0.002 5
117 81-7	Bis(2-ethylhexyl)phthalate	Bis(2-ethylhexyl) phthalate	180	NA	0.32	U	0.035	0.36	U	0.039	0.40	U	0.043
75-274	Bromodichloromethane (Dichlorobromomethane)	Bromodichloromethane	59	NA	0	0	0	0	0	0	0	0	0
75-252	Bromoform	Bromoform	460	NA	0	0	0	0	0	0	0	0	0
74-839	Bromomethane (Methyl bromide)	Bromomethane	1800	82	0	0	0	0	0	0	0	0	0
78-933	2-Butanone (Methyl ethyl ketone) (MEK)	2-Butanone	780000	NA	0	0	0	0	0	0	0	0	0
85-687	Butylbenzyl phthalate	Butyl benzyl phthalate	1300	NA	0.16	U	0.022	0.18	U	0.025	0.20	U	0.028
744043-9	Cadmium	Cadmium	1100	12000	0.42		0.079	0.65		0.081	0.63		0.092
105 60-2	Caprolactam	Caprolactam	460000	1300	0.17	U	0.021	0.18	U	0.024	0.21	U	0.026
75-150	Carbon disulfide	Carbon disulfide	NA	NA	0	0	0	0	0	0	0	0	0
56-235	Carbon tetrachloride	Carbon tetrachloride	40	6.9	0	0	0	0	0	0	0	0	0
57-749	Chlordane (alpha and gamma forms summed)	Chlordane (technical)	1.4	NA	0.0040	U	0.001 7	0.0045	U	0.001 9	0.0051	U	0.002 2
106 47-8	4-Chloroaniline	4-Chloroaniline	13	NA	0.032	U	0.008 5	0.036	U	0.009 5	0.040	U	0.011
108 90-7	Chlorobenzene	Chlorobenzene	8400	NA	0	0	0	0	0	0	0	0	0
75-003	Chloroethane (Ethyl chloride)	Chloroethane	NA	NA	0	0	0	0	0	0	0	0	0
67-663	Chloroform	Chloroform	13000	NA	0	0	0	0	0	0	0	0	0
74-873	Chloromethane (Methyl chloride)	Chloromethane	NA	1200	0	0	0	0	0	0	0	0	0
91-587	2-Chloronaphthalene	2-Chloronaphthalene	67000	NA	0.0065	U	0.001 5	0.0073	U	0.001 7	0.0081	U	0.001 8
95-578	2-Chlorophenol (o- Chlorophenol)	2-Chlorophenol	6500	NA	0.032	U	0.012	0.036	U	0.013	0.040	U	0.015
218 01-9	Chrysene	Chrysene	2300	NA	0.056		0.003 6	0.032		0.004 0	0.035		0.004 5

CAS No.	Contaminant	Analyte in Report	Soil Remediation Standard Ingestion- Dermal Nonresidential - Table 2	Soil Remediation Standard Inhalation Nonresidential - Table 4	C-4 DISCRET E	Q	MDL	SC-2 (C3+C7)	Q	MDL	SC-3 (C5+C6+ C8)	Q	MDL
156 59-2	1,2-Dichloroethene (cis) (c-1,2-Dichloroethylene)	cis-1,2-Dichloroethene	13000	NA	0	0	0	0	0	0	0	0	0
156 60-5	1,2-Dichloroethene (trans) (t-1,2-Dichloroethylene)	trans-1,2-Dichloroethene	22000	NA	0	0	0	0	0	0	0	0	0
120 83-2	2,4-Dichlorophenol	2,4-Dichlorophenol	2700	NA	0.0065	U	0.0025	0.0073	U	0.0028	0.0081	U	0.0031
78-875	1,2-Dichloropropane	1,2-Dichloropropane	98	27	0	0	0	0	0	0	0	0	0
542 75-6	1,3-Dichloropropene (total)	cis-1,3-Dichloropropene	36	23	0	0	0	0	0	0	0	0	0
60-571	Dieldrin	Dieldrin	0.16	NA	0.00040	U	0.00010	0.00045	U	0.00011	0.00051	U	0.00013
84-662	Diethylphthalate	Diethyl phthalate	730000	NA	0.032	U	0.011	0.036	U	0.013	0.040	U	0.014
105 67-9	2,4-Dimethylphenol	2,4-Dimethylphenol	18000	NA	0.032	U	0.011	0.036	U	0.012	0.040	U	0.014
84-742	Di-n-butyl phthalate	Di-n-butyl phthalate	91000	NA	0.32	U	0.067	0.36	U	0.075	0.40	U	0.084
51-285	2,4-Dinitrophenol	2,4-Dinitrophenol	1800	NA	0.32	U	0.20	0.36	U	0.22	0.40	U	0.25
2532114-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2,4-Dinitrotoluene	3.8	NA	0.032	U	0.019	0.036	U	0.022	0.040	U	0.024
117 84-0	Di-n-octyl phthalate	Di-n-octyl phthalate	9100	NA	0.032	U	0.019	0.036	U	0.021	0.040	U	0.023
123 91-1	1,4-Dioxane	1,4-Dioxane	36	210	0.065	U	0.020	0.072	U	0.023	0.081	U	0.025
33213-65-9	Endosulfan I and Endosulfan II (alpha and beta) (summed)	Endosulfan, Total	7800 (summed w Endo 1)	NA	0.00080	U	0.00020	0.00091	U	0.00022	0.0010	U	0.00025
72-208	Endrin	Endrin	270	NA	0.00040	U	0.000075	0.00045	U	0.000085	0.00051	U	0.000095
100 41-4	Ethylbenzene	Ethylbenzene	130000	48	0	0	0	0	0	0	0	0	0
various	Extractable Petroleum Hydrocarbons (Category 1)	N/A	75000	NA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
various	Extractable Petroleum Hydrocarbons (Category 2)	N/A	Sample-specific	NA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
206 44-0	Fluoranthene	Fluoranthene	33000	NA	0.13		0.0017	0.071		0.0019	0.063		0.0021

CAS No.	Contaminant	Analyte in Report	Soil Remediation Standard Ingestion- Dermal Nonresidential - Table 2	Soil Remediation Standard Inhalation Nonresidential - Table 4	C-4 DISCRET E	Q	MDL	SC-2 (C3+C7)	Q	MDL	SC-3 (C5+C6+ C8)	Q	MDL
75-092	Methylene chloride (Dichloromethane)	Methylene Chloride	260	NA	0	0	0	0	0	0	0	0	0
91-576	2-Methylnaphthalene	2-Methylnaphthalene	3300	NA	0.0065	U	0.001 6	0.0023	J	0.001 7	0.0021	J	0.001 9
108 10-1	4-Methyl-2-pentanone (MIBK)	4-Methyl-2-pentanone	NA	NA	0	0	0	0	0	0	0	0	0
95-487	2-Methylphenol (o-cresol)	2-Methylphenol	4600	NA	0.032	U	0.009 3	0.036	U	0.010	0.040	U	0.012
106 44-5	4-Methylphenol (p-cresol)	Cresols, Total	9100	NA	0.064	U	0.018	0.072	U	0.020	0.080	U	0.023
163404-4	Methyl tert-butyl ether (MTBE)	Methyl tertiary butyl ether	13000	650	0	0	0	0	0	0	0	0	0
91-203	Naphthalene	Naphthalene	34000	27	0.0065	U	0.001 3	0.0042	J	0.001 4	0.0081	U	0.001 6
744002-0	Nickel (total)	Nickel	26000	93000	11		0.37	23		0.39	25		0.44
100 01-6	4-Nitroaniline	4-Nitroaniline	130	NA	0.17	U	0.012	0.18	U	0.013	0.21	U	0.015
98-953	Nitrobenzene	Nitrobenzene	2600	36	0.065	U	0.012	0.072	U	0.013	0.081	U	0.015
621 64-7	N-Nitrosodi-n-propylamine	N-Nitrosodi-n-propylamine	0.36	NA	0.0065	U	0.002 2	0.0073	U	0.002 4	0.0081	U	0.002 7
86-306	N-Nitrosodiphenylamine	N-Nitrosodiphenylamine	520	NA	0.032	U	0.011	0.036	U	0.012	0.040	U	0.013
108 60-1	2,2'-oxybis(1-chloropropane)	2,2'-oxybis[1-chloropropane]	52000	NA	0.0065	U	0.002 4	0.0073	U	0.002 7	0.0081	U	0.003 0
87-865	Pentachlorophenol	Pentachlorophenol	4.4	NA	0.17	U	0.052	0.18	U	0.058	0.21	U	0.065
108 95-2	Phenol	Phenol	270000	NA	0.032	U	0.009 8	0.036	U	0.011	0.040	U	0.012
1336-36-3	(PCBs)	Total PCBs	1.1	NA	0.00081	U	29	0.00083	J	32	0.0056		36
129 00-0	Pyrene	Pyrene	25000	NA	0.089		0.002 3	0.052		0.002 5	0.048		0.002 8
778249-2	Selenium (total)	Selenium	6500	NA	0.40	J	0.20	0.72	J	0.20	0.70	J	0.23
744022-4	Silver (total)	Silver	6500	NA	0.20		0.080	0.36		0.082	0.37		0.094

CAS No.	Contaminant	Analyte in Report	Soil Remediation Standard Ingestion- Dermal Nonresidential - Table 2	Soil Remediation Standard Inhalation Nonresidential - Table 4	C-4 DISCRET E	Q	MDL	SC-2 (C3+C7)	Q	MDL	SC-3 (C5+C6+ C8)	Q	MDL
100 42-5	Styrene	Styrene	260000	NA	0	0	0	0	0	0	0	0	0
75-650	Tertiary butyl alcohol (TBA)	t-Butyl alcohol	23000	NA	0	0	0	0	0	0	0	0	0
95-943	1,2,4,5-Tetrachlorobenzene	1,2,4,5-Tetrachlorobenzene	390	NA	0.032	U	0.013	0.036	U	0.014	0.040	U	0.016
95-944	2,3,7,8-Tetrachlorodibenzo-p-dioxin	2,3,7,8-TCDD	0.00081	NA	0	0	0	0	0	0	0	0	0
79-345	1,1,2,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	18	NA	0	0	0	0	0	0	0	0	0
127 18-4	Tetrachloroethene (PCE) (Tetrachloroethylene)	Tetrachloroethene	1700	NA	0	0	0	0	0	0	0	0	0
58-902	2,3,4,6-Tetrachlorophenol	2,3,4,6-Tetrachlorophenol	27000	NA	0.032	U	0.014	0.036	U	0.015	0.040	U	0.017
108 88-3	Toluene	Toluene	100000	NA	0	0	0	0	0	0	0	0	0
800135-2	Toxaphene	Toxaphene	2.3	NA	0.016	U	0.011	0.018	U	0.012	0.020	U	0.014
120 82-1	1,2,4-Trichlorobenzene	1,2,4-Trichlorobenzene	13000	NA	0.032	U	0.009	0.036	U	0.011	0.040	U	0.012
71-556	1,1,1-Trichloroethane	1,1,1-Trichloroethane	NA	NA	0	0	0	0	0	0	0	0	0
79-005	1,1,2-Trichloroethane	1,1,2-Trichloroethane	64	NA	0	0	0	0	0	0	0	0	0
79-016	Trichloroethene (TCE) (Trichloroethylene)	Trichloroethene	79	14	0	0	0	0	0	0	0	0	0
75-694	Trichlorofluoromethane (Freon 11)	Trichlorofluoromethane	390000	NA	0	0	0	0	0	0	0	0	0
95-954	2,4,5-Trichlorophenol	2,4,5-Trichlorophenol	91000	NA	0.032	U	0.011	0.036	U	0.013	0.040	U	0.014
88-062	2,4,6-Trichlorophenol	2,4,6-Trichlorophenol	230	NA	0.032	U	0.011	0.036	U	0.012	0.040	U	0.013
76-131	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	1,1,2-Trichloroethane	NA	NA	0	0	0	0	0	0	0	0	0
95-636	1,2,4-Trimethylbenzene	1,2,4-Trimethylbenzene	13000	NA	0	0	0	0	0	0	0	0	0
744062-2	Vanadium (total)	Vanadium	6500	800000	30		0.39	58		0.41	62		0.46
75-014	Vinyl chloride	Vinyl chloride	5	6.4	0	0	0	0	0	0	0	0	0
133020-7	Xylenes (total)	Xylenes, Total	190000	NA	0	0	0	0	0	0	0	0	0
744066-6	Zinc (total)	Zinc	390000	NA	75		7.9	140		8.1	140		9.2
16065-83-1	Trivalent Chromium	Cr (III) (mg/kg)	Not Regulated	NA	25		0.003	50		0.003	55		0.003
							5			5			5

N.J.A.C. 7:9B SURFACE WATER QUALITY STANDARDS

All Units Expressed in ug/L

DRBA Lewes Ferry Terminal

Fresh Water (FW2) Criteria

Saline Water (SE & SC) Criteria

CAS No.	Contaminant	Analyte in Report	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	COMP SC-1	Q	MDL	COMP SC-2	Q	MDL
83-32-9	Acenaphthene	Acenaphthene, Dissolved			670(h)			990(h)	190	U	65	79	J	65
107-02-8	Acrolein	N/A			6.1(h)			9.3(h)	N/A	N/A	N/A	N/A	N/A	N/A
107-13-1	Acrylonitrile	N/A			0.051(hc)			0.25(hc)	N/A	N/A	N/A	N/A	N/A	N/A
309-00-2	Aldrin	Aldrin, Dissolved	3		0.000049(hc)	1.3		0.000050(hc)	1.3	U	0.34	1.3	U	0.34
120-12-7	Anthracene	Anthracene, Dissolved			8,300(h)			40,000(h)	190	U	49	190	U	49
7440-36-0	Antimony	Antimony, Dissolved			5.6(h)(T)			640(h)(T)	1.2		0.20	1.8		0.20
7440-38-2	Arsenic	Arsenic, Dissolved	340(d)(s)	150(d)(s)	0.017(hc)(T)	69(d)(s)	36(d)(s)	0.061(hc)(T)	10		0.68	11		0.68
7440-39-3	Barium	Barium, Dissolved			2,000(h)(T)				24		0.75	25		0.75
56-55-3	Benz(a)anthracene	Benzo[a]anthracene, Dissolved			0.038(hc)			0.18(hc)	190	U	75	190	U	75
71-43-2	Benzene	N/A			0.15(hc)			3.3(hc)	N/A	N/A	N/A	N/A	N/A	N/A
92-87-5	Benzidine	Benzidine			0.000086(hc)			0.00020(hc)	N/A	N/A	N/A	N/A	N/A	N/A
205-99-2	3,4-Benzofluoranthene (Benzo(b)fluoranthene)	Benzo[b]fluoranthene, Dissolved			0.038(hc)			0.18(hc)	190	U	97	190	U	97
207-08-9	Benzo(k)fluoranthene	Benzo[k]fluoranthene, Dissolved			0.38(hc)			1.8(hc)	190	U	88	190	U	88
50-32-8	Benzo(a)pyrene (BaP)	Benzo[a]pyrene, Dissolved			0.0038(hc)			0.018(hc)	190	U	130	190	U	130
7440-41-7	Beryllium	Beryllium, Dissolved			6.0(h)(T)			42(h)(T)	0.17	J	0.12	0.50	U	0.12
319-84-6	alpha-BHC (alpha-HCH)	alpha-BHC, Dissolved			0.0026(hc)			0.0049(hc)	2.4		0.23	1.9	p	0.23
319-85-7	beta-BHC (beta-HCH)	beta-BHC, Dissolved			0.0091(hc)			0.017(hc)	1.3	U	0.35	1.3	U	0.35
58-89-9	gamma-BHC (gamma-HCH/Lindane)	gamma-BHC (Lindane), Dissolved	0.95		0.98(h)	0.16		1.8(h)	1.3	U	0.28	1.3	U	0.28
111-44-4	Bis(2-chloroethyl) ether	Bis(2-chloroethyl)ether, Dissolved			0.030(hc)			0.53(hc)	190	U	140	190	U	140
108-60-1	Bis(2-chloroisopropyl) ether	N/A			1,400(h)			65,000(h)	N/A	N/A	N/A	N/A	N/A	N/A
117-81-7	Bis(2-ethylhexyl) phthalate	Bis(2-ethylhexyl) phthalate, Dissolved			1.2(hc)			2.2(hc)	10000	U	2100	10000	U	2100
75-27-4	Bromodichloromethane (Dichlorobromomethane)	N/A			0.55(hc)			17(hc)	N/A	N/A	N/A	N/A	N/A	N/A
75-25-2	Bromoform	N/A			4.3(hc)			140(hc)	N/A	N/A	N/A	N/A	N/A	N/A
85-68-7	Butyl benzyl phthalate	Butyl benzyl phthalate, Dissolved			150(h)			190(h)	2000	U	940	1500	J	940
7440-43-9	Cadmium	Cadmium, Dissolved	(a)	(a)	3.4(h)(T)	40(d)(s)	8.8(d)(s)	16(h)(T)	0.50	U	0.15	0.50	U	0.15
56-23-5	Carbon tetrachloride	N/A			0.33(hc)			2.3(hc)	N/A	N/A	N/A	N/A	N/A	N/A
57-74-9	Chlordane	cis-Chlordane, Dissolved	2.4	0.0043	0.00010(hc)	0.09	0.004	0.00011(hc)	1.3	U	0.35	1.3	U	0.35
16887-00-6	Chloride	N/A	860000	230000	250000(ol)				N/A	N/A	N/A	N/A	N/A	N/A
7782-50-5	Chlorine Produced Oxidants (CPO)	N/A	19	11		13	7.5		N/A	N/A	N/A	N/A	N/A	N/A
108-90-7	Chlorobenzene	N/A			210(h)			2,500(h)	N/A	N/A	N/A	N/A	N/A	N/A
67-66-3	Chloroform	N/A			68(h)			2,100(h)	N/A	N/A	N/A	N/A	N/A	N/A
91-58-7	2-Chloronaphthalene	2-Chloronaphthalene, Dissolved			1000(h)			1,600(h)	190	U	59	61	J	59
95-57-8	2-Chlorophenol	2-Chlorophenol, Dissolved			81(h)			150(h)	1000	U	230	1000	U	230
2921-88-2	Chlorpyrifos	N/A	0.083	0.041		0.011	0.0056		N/A	N/A	N/A	N/A	N/A	N/A
7440-47-3	Chromium	Chromium, Dissolved			92(h)(T)			750(h)(T)	0.55	J	0.55	2.0	U	0.55
16065-83-1	Chromium+3	Cr (III), Dissolved (mg/l)	(a)	(a)					N/A	N/A	N/A	N/A	N/A	N/A

CAS No.	Contaminant	Analyte in Report	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	COMP SC-1	Q	MDL	COMP SC-2	Q	MDL
18540-29-9	Chromium+6	Cr (VI), Dissolved (mg/l)	15(d)(s)	10(d)(s)		1,100(d)(s)	50(d)(s)		N/A	N/A	N/A	N/A	N/A	N/A
218-01-9	Chrysene	Chrysene, Dissolved			3.8(hc)			18(hc)	190	U	81	190	U	81
7440-50-8	Copper	Copper, Dissolved	(a)	(a)	1300(h)(T)	4.8(d)(s)	3.1(d)(s)		1.0	U	0.85	1.0	U	0.85
57-12-5	Cyanide (Total)	Cyanide, Total (mg/l)	22(fc)	5.2(fc)	140(h)	2.7(fc)	2.7(fc)	140(h)	N/A	N/A	N/A	N/A	N/A	N/A
72-54-8	4,4'-DDD (p,p'-TDE)	4,4'-DDD, Dissolved			0.00031(hc)			0.00031(hc)	1.3	U	0.51	1.3	U	0.51
72-55-9	4,4'-DDE	4,4'-DDE, Dissolved			0.00022(hc)			0.00022(hc)	1.3	U	0.69	1.3	U	0.69
50-29-3	4,4'-DDT	4,4'-DDT, Dissolved	1.1	0.001	0.00022(hc)	0.13	0.001	0.00022(hc)	1.3	U	0.66	1.3	U	0.66
8065-48-3	Demeton	N/A		0.1			0.1		N/A	N/A	N/A	N/A	N/A	N/A
53-70-3	Dibenz(a,h)anthracene	Dibenz(a,h)anthracene, Dissolved			0.0038(hc)			0.018(hc)	190	U	72	190	U	72
84-74-2	Di-n-butyl phthalate	Di-n-butyl phthalate, Dissolved			2000(h)			4,500(h)	530	J	380	1300		380
95-50-1	1,2-Dichlorobenzene	1,2-Dichlorobenzene, Dissolved			2000(h)			6,200(h)	1000	U	210	1000	U	210
541-73-1	1,3-Dichlorobenzene	1,3-Dichlorobenzene, Dissolved			2200(h)			8,300(h)	1000	U	220	1000	U	220
106-46-7	1,4-Dichlorobenzene	1,4-Dichlorobenzene, Dissolved			550(h)			2,200(h)	1000	U	240	1000	U	240
91-94-1	3,3'-Dichlorobenzidine	3,3'-Dichlorobenzidine, Dissolved			0.032(hc)			0.028(hc)	1000	U	580	1000	U	580
107-06-2	1,2-Dichloroethane	N/A			0.29(hc)			28(hc)	N/A	N/A	N/A	N/A	N/A	N/A
75-35-4	1,1-Dichloroethylene	N/A			4.7(h)			100(h)	N/A	N/A	N/A	N/A	N/A	N/A
156-60-5	trans-1,2-Dichloroethylene	N/A			590(h)			43,000(h)	N/A	N/A	N/A	N/A	N/A	N/A
120-83-2	2,4-Dichlorophenol	2,4-Dichlorophenol, Dissolved						290(h)	190	U	51	190	U	51
78-87-5	1,2-Dichloropropane	N/A			0.50(hc)			15(hc)	N/A	N/A	N/A	N/A	N/A	N/A
542-75-6	1,3-Dichloropropene (cis and trans)	N/A			0.34(hc)			21(hc)	N/A	N/A	N/A	N/A	N/A	N/A
60-57-1	Dieldrin	Dieldrin, Dissolved	0.24	0.056	0.000052(hc)	0.71	0.0019	0.000054(hc)	1.3	U	0.26	1.3	U	0.26
84-66-2	Diethyl phthalate	Diethyl phthalate, Dissolved			17,000(h)			44,000(h)	260	J	250	350	J	250
105-67-9	2,4-Dimethyl phenol	2,4-Dimethylphenol, Dissolved			380(h)			850(h)	1000	U	590	1000	U	590
534-52-1	4,6-Dinitro-o-cresol	N/A			13(h)			280(h)	N/A	N/A	N/A	N/A	N/A	N/A
51-28-5	2,4-Dinitrophenol	2,4-Dinitrophenol, Dissolved			69(h)			5,300(h)	10000	U	3300	10000	U	3300
121-14-2	2,4-Dinitrotoluene	2,4-Dinitrotoluene, Dissolved			0.11(hc)			3.4(hc)	1000	U	350	1000	U	350
122-66-7	1,2-Diphenylhydrazine	1,2-Diphenylhydrazine			0.036(hc)			0.20(hc)	N/A	N/A	N/A	N/A	N/A	N/A
115-29-7	Endosulfans (alpha & beta)	Endosulfan, Total	0.22	0.056	62(h)	0.034	0.0087	89(h)	2.5	U	0.96	2.5	U	0.96
1031-07-8	Endosulfan sulfate	Endosulfan sulfate, Dissolved			62(h)			89(h)	1.3	U	0.61	1.3	U	0.61
72-20-8	Endrin	Endrin, Dissolved	0.086	0.036	0.059(h)	0.037	0.0023	0.060(h)	1.3	U	0.22	1.3	U	0.22
7421-93-4	Endrin aldehyde	Endrin aldehyde, Dissolved			0.059(h)			0.060(h)	1.3	U	0.5	1.3	U	0.5
100-41-4	Ethylbenzene	N/A			530(h)			2,100(h)	N/A	N/A	N/A	N/A	N/A	N/A
206-44-0	Fluoranthene	Fluoranthene, Dissolved			130(h)			140(h)	190	U	60	190	U	60
86-73-7	Fluorene	Fluorene, Dissolved			1100(h)			5,300(h)	190	U	69	190	U	69
86-50-0	Guthion	N/A		0.01			0.01		N/A	N/A	N/A	N/A	N/A	N/A
76-44-8	Heptachlor	Heptachlor, Dissolved	0.52	0.0038	0.000079(hc)	0.053	0.0036	0.000079(hc)	1.3	U	0.43	1.3	U	0.43
1024-57-3	Heptachlor epoxide	Heptachlor epoxide, Dissolved	0.52	0.0038	0.000039(hc)	0.053	0.0036	0.000039(hc)	1.3	U	0.33	1.3	U	0.33
118-74-1	Hexachlorobenzene	Hexachlorobenzene, Dissolved			0.00028(hc)			0.00029(hc)	190	U	56	190	U	56

CAS No.	Contaminant	Analyte in Report	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	COMP SC-1	Q	MDL	COMP SC-2	Q	MDL
87-68-3	Hexachlorobutadiene	Hexachlorobutadiene, Dissolved			0.44(hc)			18(hc)	190	U	160	190	U	160
77-47-4	Hexachlorocyclopentadiene	Hexachlorocyclopentadiene, Dissolved			40(h)			1,100(h)	1000	U	500	1000	U	500
67-72-1	Hexachloroethane	Hexachloroethane, Dissolved			1.4(hc)			3.3(hc)	1000	U	320	1000	U	320
193-39-5	Indeno[1,2,3-cd]pyrene	Indeno[1,2,3-cd]pyrene, Dissolved			0.038(hc)			0.18(hc)	190	U	85	190	U	85
78-59-1	Isophorone	Isophorone, Dissolved			35(hc)			960(hc)	1000	U	190	1000	U	190
7439-92-1	Lead	Lead, Dissolved	38(d)(s)	5.4(d)(s)	5.0(h)(T)	210(d)(s)	24(d)(s)		0.22	J	0.12	0.38	J	0.12
121-75-5	Malathion	N/A		0.1			0.1		N/A	N/A	N/A	N/A	N/A	N/A
7439-96-5	Manganese	Manganese, Dissolved						100(h)(T)	1400		1.2	1200		1.2
7439-97-6	Mercury	Mercury, Dissolved	1.4(d)(s)	0.77(d)(s)	0.050(h)(T)	1.8(d)(s)	0.94(d)(s)	0.051(h)(T)	N/A	N/A	N/A	N/A	N/A	N/A
72-43-5	Methoxychlor	Methoxychlor, Dissolved		0.03	40(h)		0.03		1.3	U **	0.75	1.3	U **	0.75
74-83-9	Methyl bromide (bromomethane)	N/A						1,500(h)	N/A	N/A	N/A	N/A	N/A	N/A
1634-04-4	Methyl t-butyl ether (MTBE)	N/A			70(h)				N/A	N/A	N/A	N/A	N/A	N/A
75-09-2	Methylene chloride	N/A			2.5(hc)			310(hc)	N/A	N/A	N/A	N/A	N/A	N/A
2385-85-5	Mirex			0.001			0.001		N/A	N/A	N/A	N/A	N/A	N/A
7440-02-0	Nickel	Nickel, Dissolved	(a)	(a)	500(h)(T)	64(d)(s)	22(d)(s)	1,700(h)(T)	1.1		0.40	0.78	J	0.40
14797-55-8	Nitrate (as N)	N/A			10000(h)				N/A	N/A	N/A	N/A	N/A	N/A
98-95-3	Nitrobenzene	Nitrobenzene, Dissolved			17(h)			690(h)	2000	U	500	2000	U	500
924-16-3	N-Nitrosodi-n-butylamine	N/A			0.0063(hc)			0.22(hc)	N/A	N/A	N/A	N/A	N/A	N/A
55-18-5	N-Nitrosodiethylamine	N/A			0.00023(hc)			0.13(hc)	N/A	N/A	N/A	N/A	N/A	N/A
62-75-9	N-Nitrosodimethylamine	N/A			0.00069(hc)			3.0(hc)	N/A	N/A	N/A	N/A	N/A	N/A
86-30-6	N-Nitrosodiphenylamine	N-Nitrosodiphenylamine, Dissolved			3.3(hc)			6.0(hc)	1000	U	250	1000	U	250
621-64-7	N-Nitrosodi-n-propylamine (Di-n-propylnitrosamine)	N-Nitrosodi-n-propylamine, Dissolved			0.0050(hc)			0.51(hc)	190	U	71	190	U	71
930-55-2	N-Nitrosopyrrolidine	N/A			0.016(hc)			34(hc)	N/A	N/A	N/A	N/A	N/A	N/A
56-38-2	Parathion	N/A	0.065	0.013					N/A	N/A	N/A	N/A	N/A	N/A
608-93-5	Pentachlorobenzene	N/A			1.4(h)			1.5(h)	N/A	N/A	N/A	N/A	N/A	N/A
87-86-5	Pentachlorophenol	Pentachlorophenol, Dissolved	(b)	(b)	0.27(hc)	13	7.9	3.0(hc)	5000	U	850	5000	U	850
85-01-8	Phenanthrene	Phenanthrene, Dissolved							190	U	160	190	U	160
108-95-2	Phenol	Phenol, Dissolved			10000(h)			860,000(h)	1000	U	490	1000	U	490
7723-14-0	Phosphorous (yellow)	N/A					0.1		N/A	N/A	N/A	N/A	N/A	N/A
1336-36-3	Polychlorinated biphenyls (PCBs)	Total PCBs, Dissolved		0.014	0.000064(hc)		0.03	0.000064(hc)	9.6	U	7.7	9.6	U	7.7
129-00-0	Pyrene	Pyrene, Dissolved			830(h)			4,000(h)	190	U	110	190	U	110
7782-49-2	Selenium	Selenium, Dissolved	20(s)	5.0(s)	170(h)(T)	290(d)(s)	71(d)(s)	4,200(h)(T)	1.2		0.28	0.50	J	0.28
7440-22-4	Silver	Silver, Dissolved	(a)		170(h)(T)	1.9(d)(s)		40,000(h)(T)	0.50	U	0.10	0.50	U	0.10
7783-06-4	Sulfide-hydrogen sulfide (undissociated)	N/A		2			2		N/A	N/A	N/A	N/A	N/A	N/A
95-94-3	1,2,4,5-Tetrachlorobenzene	1,2,4,5-Tetrachlorobenzene, Dissolved			0.97(h)			1.1(h)	1000	U	150	1000	U	150
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	N/A			0.0000000050(hc)			0.0000000051(hc)	N/A	N/A	N/A	N/A	N/A	N/A
79-34-5	1,1,2,2-Tetrachloroethane	N/A			4.7(h)			110(h)	N/A	N/A	N/A	N/A	N/A	N/A
127-18-4	Tetrachloroethylene	N/A			0.34(hc)			1.6(hc)	N/A	N/A	N/A	N/A	N/A	N/A
7440-28-0	Thallium	Thallium, Dissolved			0.24(h)(T)			0.47(h)(T)	0.67		0.13	0.50	U	0.13
7440-31-5	Tin	N/A							N/A	N/A	N/A	N/A	N/A	N/A
108-88-3	Toluene	N/A			1300(h)			15,000(h)	N/A	N/A	N/A	N/A	N/A	N/A

CAS No.	Contaminant	Analyte in Report	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	COMP SC-1	Q	MDL	COMP SC-2	Q	MDL
8001-35-2	Toxaphene	Toxaphene, Dissolved	0.73	0.0002	0.00028(hc)	0.21	0.0002	0.00028(hc)	96	U	47	96	U	47
120-82-1	1,2,4-Trichlorobenzene	1,2,4-Trichlorobenzene, Dissolved			21(h)			42(h)	1000	U	240	1000	U	240
71-55-6	1,1,1-Trichloroethane	N/A			120(h)			2,600(h)	N/A	N/A	N/A	N/A	N/A	N/A
79-00-5	1,1,2-Trichloroethane	N/A			13(h)			350(h)	N/A	N/A	N/A	N/A	N/A	N/A
79-01-6	Trichloroethylene	N/A			1.0(hc)			12(hc)	N/A	N/A	N/A	N/A	N/A	N/A
95-95-4	2,4,5-Trichlorophenol	2,4,5-Trichlorophenol, Dissolved			1800(h)			3,600(h)	1000	U	250	1000	U	250
88-06-2	2,4,6-Trichlorophenol	2,4,6-Trichlorophenol, Dissolved			0.58(hc)			1.0(hc)	1000	U	220	1000	U	220
75-01-4	Vinyl chloride	N/A			0.082(hc)			8.1(hc)	N/A	N/A	N/A	N/A	N/A	N/A
7440-66-6	Zinc	Zinc, Dissolved	(a)	(a)	7400(h)(T)	90(d)(s)	81(d)(s)	26,000(h)(T)	10	U	4.0	10	U	4.0

KEY

Highlighted Concentrations shown in bold type face exceed limits

^+ : Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.

^2 : Calibration Blank (ICB and/or CCB) is outside acceptance limits.

^3- : Reporting Limit Check Standard is outside acceptance limits, low biased.

^3+ : Reporting Limit Check Standard is outside acceptance limits, high biased

B: Compound was found in blank and sample

F1 : MS and/or MSD recovery exceeds control limits.

H : Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

H3 : Sample was received and analyzed past holding time. This does not meet regulatory requirements.

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

NR: No result

U : Indicates the analyte was analyzed for but not detected.

(d) Criterion is expressed as a function of the Water Effect Ratio (WER). For criterion in the table, WER equates to the default value of 1.0.

(h) Human health noncarcinogen

(hc) Human health carcinogen

(s) Dissolved criterion

(T) Total recoverable criterion

N.J.A.C. 7:9B SURFACE WATER QUALITY STANDARDS

DRBA LEWES FERRY TERMINAL

Elutriate Total Recoverable

All Units Expressed in ug/L

Fresh Water (FW2) Criteria

Saline Water (SE & SC) Criteria

CAS No.	Contaminant	Analyte in Report	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	COMP SC-2	Q	MDL	COMP SC-3	Q	MDL	C-4 DISCRETE	Q	MDL
83-32-9	Acenaphthene	Acenaphthene			670(h)			990(h)	0.19	U	0.065	0.070	J	0.065	0.19	U	0.065
107-02-8	Acrolein	N/A			6.1(h)			9.3(h)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
107-13-1	Acrylonitrile	N/A			0.051(hc)			0.25(hc)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
309-00-2	Aldrin	Aldrin	3		0.000049(hc)	1.3		0.000050(hc)	0.0013	U	0.00034	0.0012	U	0.00034	0.0012	U	0.00034
120-12-7	Anthracene	Anthracene			8,300(h)			40,000(h)	0.19	U	0.049	0.19	U	0.049	0.19	U	0.049
7440-36-0	Antimony	Antimony			5.6(h)(T)			640(h)(T)	2.1		0.20	1.4		0.20	0.85	J	0.20
7440-38-2	Arsenic	Arsenic	340(d)(s)	150(d)(s)	0.017(hc)(T)	69(d)(s)	36(d)(s)	0.061(hc)(T)	15		0.68	8.4		0.68	3.0		0.68
7440-39-3	Barium	Barium			2,000(h)(T)				43		0.75	24		0.75	18		0.75
56-55-3	Benz(a)anthracene	Benzo[a]anthracene			0.038(hc)			0.18(hc)	0.19	U	0.075	0.19	U	0.075	0.19	U	0.075
71-43-2	Benzene	N/A			0.15(hc)			3.3(hc)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
92-87-5	Benzidine	Benzidine			0.000086(hc)			0.00020(hc)	20	U	9.1	20	U	9.1	20	U	9.1
205-99-2	3,4-Benzofluoranthene (Benzo[b]fluoranthene)	Benzo[b]fluoranthene			0.038(hc)			0.18(hc)	0.19	U	0.097	0.19	U	0.097	0.19	U	0.097
207-08-9	Benzo(k)fluoranthene	Benzo[k]fluoranthene			0.38(hc)			1.8(hc)	0.19	U	0.088	0.19	U	0.088	0.19	U	0.088
50-32-8	Benzo(a)pyrene (BaP)	Benzo[a]pyrene			0.0038(hc)			0.018(hc)	0.19	U	0.13	0.19	U	0.13	0.19	U	0.13
7440-41-7	Beryllium	Beryllium			6.0(h)(T)			42(h)(T)	0.22	J	0.12	0.50	U ^+	0.12	0.50	U	0.12
319-84-6	alpha-BHC (alpha-HCH)	alpha-BHC			0.0026(hc)			0.0049(hc)	0.0034		0.00023	0.0023		0.00023	0.0020		0.00023
319-85-7	beta-BHC (beta-HCH)	beta-BHC			0.0091(hc)			0.017(hc)	0.0013	U	0.00035	0.0012	U	0.00035	0.0012	U	0.00035
58-89-9	gamma-BHC (gamma-HCH/Lindane)	gamma-BHC (Lindane)	0.95		0.98(h)	0.16		1.8(h)	0.0013	U	0.00028	0.0012	U	0.00028	0.0012	U	0.00028
111-44-4	Bis(2-chloroethyl) ether	Bis(2-chloroethyl)ether			0.030(hc)			0.53(hc)	0.19	U	0.14	0.19	U	0.14	0.19	U	0.14
108-60-1	Bis(2-chloroisopropyl) ether	N/A			1,400(h)			65,000(h)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
117-81-7	Bis(2-ethylhexyl) phthalate	Bis(2-ethylhexyl) phthalate			1.2(hc)			2.2(hc)	4.4	J	2.1	4.2	J	2.1	2.4	J	2.1
75-27-4	Bromodichloromethane (Dichlorobromomethane)	N/A			0.55(hc)			17(hc)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
75-25-2	Bromoform	N/A			4.3(hc)			140(hc)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
85-68-7	Butyl benzyl phthalate	Butyl benzyl phthalate			150(h)			190(h)	2.0	U	0.94	1.5	J	0.94	1.6	J	0.94
7440-43-9	Cadmium	Cadmium	(a)	(a)	3.4(h)(T)	40(d)(s)	8.8(d)(s)	16(h)(T)	0.22	J	0.15	0.50	U	0.15	0.50	U	0.15
56-23-5	Carbon tetrachloride	N/A			0.33(hc)			2.3(hc)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
57-74-9	Chlordane	cis-Chlordane	2.4	0.0043	0.00010(hc)	0.09	0.004	0.00011(hc)	0.0013	U	0.00035	0.0012	U	0.00035	0.0012	U	0.00035
16887-00-6	Chloride	N/A	860000	230000	250000(ol)				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7782-50-5	Chlorine Produced Oxidants (CPO)	N/A	19	11		13	7.5		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
108-90-7	Chlorobenzene	N/A			210(h)			2,500(h)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
67-66-3	Chloroform	N/A			68(h)			2,100(h)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
91-58-7	2-Chloronaphthalene	2-Chloronaphthalene			1000(h)			1,600(h)	0.19	U	0.059	0.19	U	0.059	0.19	U	0.059
95-57-8	2-Chlorophenol	2-Chlorophenol			81(h)			150(h)	1.0	U	0.23	1.0	U	0.23	1.0	U	0.23
2921-88-2	Chlorpyrifos	N/A	0.083	0.041		0.011	0.0056		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7440-47-3	Chromium	Chromium			92(h)(T)			750(h)(T)	11		0.55	2.4		0.55	1.1	J	0.55
16065-83-1	Chromium+3	Cr (III) (mg/l)	(a)	(a)					N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18540-29-9	Chromium+6	Cr (VI) (mg/l)	15(d)(s)	10(d)(s)		1,100(d)(s)	50(d)(s)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
218-01-9	Chrysene	Chrysene			3.8(hc)			18(hc)	0.19	U	0.081	0.19	U	0.081	0.19	U	0.081
7440-50-8	Copper	Copper	(a)	(a)	1300(h)(T)	4.8(d)(s)	3.1(d)(s)		4.1		0.85	1.2		0.85	1.0	U	0.85
57-12-5	Cyanide (Total)	Cyanide, Total (mg/l)	22(fc)	5.2(fc)	140(h)	2.7(fc)	2.7(fc)	140(h)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
72-54-8	4,4'-DDD (p,p'-TDE)	4,4'-DDD			0.00031(hc)			0.00031(hc)	0.0013	U	0.00051	0.0012	U	0.00051	0.0012	U	0.00051

CAS No.	Contaminant	Analyte in Report	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	COMP SC-2	Q	MDL	COMP SC-3	Q	MDL	C-4 DISCRETE	Q	MDL
72-55-9	4,4'-DDE	4,4'-DDE			0.00022(hc)			0.00022(hc)	0.0010	J	0.00069	0.0012	U	0.00068	0.0012	U	0.00068
50-29-3	4,4'-DDT	4,4'-DDT	1.1	0.001	0.00022(hc)	0.13	0.001	0.00022(hc)	0.0084	*+	0.00066	0.0012	U	0.00066	0.0012	U	0.00066
8065-48-3	Demeton	N/A		0.1			0.1		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
53-70-3	Dibenz(a,h)anthracene	Dibenz(a,h)anthracene			0.0038(hc)			0.018(hc)	0.19	U	0.072	0.19	U	0.072	0.19	U	0.072
84-74-2	Di-n-butyl phthalate	Di-n-butyl phthalate			2000(h)			4,500(h)	0.39	J	0.38	1.5		0.38	1.4		0.38
95-50-1	1,2-Dichlorobenzene	1,2-Dichlorobenzene			2000(h)			6,200(h)	1.0	U	0.21	1.0	U	0.21	1.0	U	0.21
541-73-1	1,3-Dichlorobenzene	1,3-Dichlorobenzene			2200(h)			8,300(h)	1.0	U	0.22	1.0	U	0.22	1.0	U	0.22
106-46-7	1,4-Dichlorobenzene	1,4-Dichlorobenzene			550(h)			2,200(h)	1.0	U	0.24	1.0	U	0.24	1.0	U	0.24
91-94-1	3,3'-Dichlorobenzidine	3,3'-Dichlorobenzidine			0.032(hc)			0.028(hc)	1.0	U	0.58	1.0	U	0.58	1.0	U	0.58
107-06-2	1,2-Dichloroethane	N/A			0.29(hc)			28(hc)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
75-35-4	1,1-Dichloroethylene	N/A			4.7(h)			100(h)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
156-60-5	trans-1,2-Dichloroethylene	N/A			590(h)			43,000(h)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
120-83-2	2,4-Dichlorophenol	2,4-Dichlorophenol						290(h)	0.19	U	0.051	0.19	U	0.051	0.19	U	0.051
78-87-5	1,2-Dichloropropane	N/A			0.50(hc)			15(hc)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
542-75-6	1,3-Dichloropropene (cis and trans)	N/A			0.34(hc)			21(hc)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
60-57-1	Dieldrin	Dieldrin	0.24	0.056	0.000052(hc)	0.71	0.0019	0.000054(hc)	0.0013	U	0.00026	0.0012	U	0.00026	0.0012	U	0.00026
84-66-2	Diethyl phthalate	Diethyl phthalate			17,000(h)			44,000(h)	1.0	U	0.25	0.40	J	0.25	0.44	J	0.25
105-67-9	2,4-Dimethyl phenol	2,4-Dimethylphenol			380(h)			850(h)	1.0	U	0.59	1.0	U	0.59	1.0	U	0.59
534-52-1	4,6-Dinitro-o-cresol	N/A			13(h)			280(h)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
51-28-5	2,4-Dinitrophenol	2,4-Dinitrophenol			69(h)			5,300(h)	10	U	3.3	10	U	3.3	10	U	3.3
121-14-2	2,4-Dinitrotoluene	2,4-Dinitrotoluene			0.11(hc)			3.4(hc)	1.0	U	0.35	1.0	U	0.35	1.0	U	0.35
122-66-7	1,2-Diphenylhydrazine	1,2-Diphenylhydrazine(as Azobenzene)			0.036(hc)			0.20(hc)	1.0	U	0.20	1.0	U	0.20	1.0	U	0.20
115-29-7	Endosulfans (alpha & beta)	Endosulfan, Total	0.22	0.056	62(h)	0.034	0.0087	89(h)	0.0025	U	0.00096	0.0025	U	0.00096	0.0025	U	0.00096
1031-07-8	Endosulfan sulfate	Endosulfan sulfate			62(h)			89(h)	0.0013	U	0.00061	0.0012	U	0.00061	0.0012	U	0.00061
72-20-8	Endrin	Endrin	0.086	0.036	0.059(h)	0.037	0.0023	0.060(h)	0.0013	U	0.00022	0.0012	U	0.00022	0.0012	U	0.00022
7421-93-4	Endrin aldehyde	Endrin aldehyde			0.059(h)			0.060(h)	0.0013	U	0.00050	0.0012	U	0.00050	0.0012	U	0.00049
100-41-4	Ethylbenzene	N/A			530(h)			2,100(h)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
206-44-0	Fluoranthene	Fluoranthene			130(h)			140(h)	0.19	U	0.060	0.19	U	0.060	0.19	U	0.060
86-73-7	Fluorene	Fluorene			1100(h)			5,300(h)	0.19	U	0.069	0.19	U	0.069	0.19	U	0.069
86-50-0	Guthion	N/A		0.01			0.01		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
76-44-8	Heptachlor	Heptachlor	0.52	0.0038	0.000079(hc)	0.053	0.0036	0.000079(hc)	0.0013	U	0.00043	0.00055	J p	0.00043	0.0012	U	0.00043
1024-57-3	Heptachlor epoxide	Heptachlor epoxide	0.52	0.0038	0.000039(hc)	0.053	0.0036	0.000039(hc)	0.0013	U	0.00033	0.0012	U	0.00033	0.0012	U	0.00032
118-74-1	Hexachlorobenzene	Hexachlorobenzene			0.00028(hc)			0.00029(hc)	0.19	U	0.056	0.19	U	0.056	0.19	U	0.056
87-68-3	Hexachlorobutadiene	Hexachlorobutadiene			0.44(hc)			18(hc)	0.19	U	0.16	0.19	U	0.16	0.19	U	0.16
77-47-4	Hexachlorocyclopentadiene	Hexachlorocyclopentadiene			40(h)			1,100(h)	1.0	U	0.50	1.0	U	0.50	1.0	U	0.50
67-72-1	Hexachloroethane	Hexachloroethane			1.4(hc)			3.3(hc)	1.0	U	0.32	1.0	U	0.32	1.0	U	0.32
193-39-5	Indeno(1,2,3-cd)pyrene	Indeno[1,2,3-cd]pyrene			0.038(hc)			0.18(hc)	0.19	U	0.085	0.19	U	0.085	0.19	U	0.085
78-59-1	Isophorone	Isophorone			35(hc)			960(hc)	1.0	U	0.19	1.0	U	0.19	1.0	U	0.19
7439-92-1	Lead	Lead	38(d)(s)	5.4(d)(s)	5.0(h)(T)	210(d)(s)	24(d)(s)		8.5		0.12	1.8		0.12	0.70		0.12
121-75-5	Malathion	N/A		0.1			0.1		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7439-96-5	Manganese	Manganese						100(h)(T)	1400		1.2	1000		1.2	160		1.2

CAS No.	Contaminant	Analyte in Report	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	COMP SC-2	Q	MDL	COMP SC-3	Q	MDL	C-4 DISCRETE	Q	MDL
7439-97-6	Mercury	Mercury	1.4(d)(s)	0.77(d)(s)	0.050(h)(T)	1.8(d)(s)	0.94(d)(s)	0.051(h)(T)	0.20	U	0.087	0.20	U	0.087	0.20	U	0.087
72-43-5	Methoxychlor	Methoxychlor		0.03	40(h)		0.03		0.0013	U *	0.00075	0.0012	U *	0.00074	0.0012	U *	0.00074
74-83-9	Methyl bromide (bromomethane)	N/A						1,500(h)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1634-04-4	Methyl t-butyl ether (MTBE)	N/A			70(h)				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
75-09-2	Methylene chloride	N/A			2.5(hc)			310(hc)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2385-85-5	Mirex	Mirex		0.001			0.001		0.0013	U	0.00045	0.0012	U	0.00044	0.0012	U	0.00044
7440-02-0	Nickel	Nickel	(a)	(a)	500(h)(T)	64(d)(s)	22(d)(s)	1,700(h)(T)	4.9		0.40	1.6		0.40	0.81	J	0.40
14797-55-8	Nitrate (as N)	N/A			10000(h)				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
98-95-3	Nitrobenzene	Nitrobenzene			17(h)			690(h)	2.0	U	0.50	2.0	U	0.50	2.0	U	0.50
924-16-3	N-Nitrosodi-n-butylamine	N/A			0.0063(hc)			0.22(hc)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
55-18-5	N-Nitrosodiethylamine	N/A			0.00023(hc)			0.13(hc)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
62-75-9	N-Nitrosodimethylamine	N/A			0.00069(hc)			3.0(hc)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
86-30-6	N-Nitrosodiphenylamine	N-Nitrosodiphenylamine			3.3(hc)			6.0(hc)	1.0	U	0.25	1.0	U	0.25	1.0	U	0.25
621-64-7	N-Nitrosodi-n-propylamine (Di-n-propylnitrosamine)	N-Nitrosodi-n-propylamine			0.0050(hc)			0.51(hc)	0.19	U	0.071	0.19	U	0.071	0.19	U	0.071
930-55-2	N-Nitrosopyrrolidine	N/A			0.016(hc)			34(hc)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
56-38-2	Parathion	N/A	0.065	0.013					N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
608-93-5	Pentachlorobenzene	N/A			1.4(h)			1.5(h)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
87-86-5	Pentachlorophenol	Pentachlorophenol	(b)	(b)	0.27(hc)	13	7.9	3.0(hc)	5.0	U	0.85	5.0	U	0.85	5.0	U	0.85
85-01-8	Phenanthrene	Phenanthrene							0.19	U	0.16	0.19	U	0.16	0.19	U	0.16
108-95-2	Phenol	Phenol			10000(h)			860,000(h)	1.0	U	0.49	1.0	U	0.49	1.0	U	0.49
7723-14-0	Phosphorous (yellow)	N/A					0.1		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1336-36-3	Polychlorinated biphenyls (PCBs)	Total PCBs		0.014	0.000064(hc)		0.03	0.000064(hc)	0.0096	U	0.0077	0.059		0.0076	0.0095	U	0.0076
129-00-0	Pyrene	Pyrene			830(h)			4,000(h)	0.19	U	0.11	0.19	U	0.11	0.19	U	0.11
7782-49-2	Selenium	Selenium	20(s)	5.0(s)	170(h)(T)	290(d)(s)	71(d)(s)	4,200(h)(T)	0.49	J	0.28	0.35	J	0.28	0.32	J	0.28
7440-22-4	Silver	Silver	(a)		170(h)(T)	1.9(d)(s)		40,000(h)(T)	0.50	U	0.10	0.50	U	0.10	0.50	U	0.10
7783-06-4	Sulfide-hydrogen sulfide (undissociated)	N/A		2			2		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
95-94-3	1,2,4,5-Tetrachlorobenzene	1,2,4,5-Tetrachlorobenzene			0.97(h)			1.1(h)	1.0	U	0.15	1.0	U	0.15	1.0	U	0.15
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	N/A			0.0000000050(hc)			0.0000000051(hc)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
79-34-5	1,1,2,2-Tetrachloroethane	N/A			4.7(h)			110(h)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
127-18-4	Tetrachloroethylene	N/A			0.34(hc)			1.6(hc)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7440-28-0	Thallium	Thallium			0.24(h)(T)			0.47(h)(T)	0.50	U	0.13	0.50	U	0.13	0.50	U	0.13
7440-31-5	Tin	N/A							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
108-88-3	Toluene	N/A			1300(h)			15,000(h)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8001-35-2	Toxaphene	Toxaphene	0.73	0.0002	0.00028(hc)	0.21	0.0002	0.00028(hc)	0.096	U	0.047	0.095	U	0.047	0.095	U	0.047
120-82-1	1,2,4-Trichlorobenzene	1,2,4-Trichlorobenzene			21(h)			42(h)	1.0	U	0.24	1.0	U	0.24	1.0	U	0.24
71-55-6	1,1,1-Trichloroethane	N/A			120(h)			2,600(h)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
79-00-5	1,1,2-Trichloroethane	N/A			13(h)			350(h)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
79-01-6	Trichloroethylene	N/A			1.0(hc)			12(hc)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
95-95-4	2,4,5-Trichlorophenol	2,4,5-Trichlorophenol			1800(h)			3,600(h)	1.0	U	0.25	1.0	U	0.25	1.0	U	0.25
88-06-2	2,4,6-Trichlorophenol	2,4,6-Trichlorophenol			0.58(hc)			1.0(hc)	1.0	U	0.22	1.0	U	0.22	1.0	U	0.22
75-01-4	Vinyl chloride	N/A			0.082(hc)			8.1(hc)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7440-66-6	Zinc	Zinc	(a)	(a)	7400(h)(T)	90(d)(s)	81(d)(s)	26,000(h)(T)	38		4.0	6.3	J	4.0	10	U	4.0

KEY

Highlighted Concentrations shown in bold type face exceed limits

^+ : Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.

^2 : Calibration Blank (ICB and/or CCB) is outside acceptance limits.

^3- : Reporting Limit Check Standard is outside acceptance limits, low biased.

^3+ : Reporting Limit Check Standard is outside acceptance limits, high biased

B: Compound was found in blank and sample

F1 : MS and/or MSD recovery exceeds control limits.

H : Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

CAS No.	Contaminant	Analyte in Report	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	COMP SC-2	Q	MDL	COMP SC-3	Q	MDL	C-4 DISCRETE	Q	MDL
---------	-------------	-------------------	-------	---------	--------------	-------	---------	--------------	-----------	---	-----	-----------	---	-----	--------------	---	-----

H3 : Sample was received and analyzed past holding time. This does not meet regulatory requirements.

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

NR: No result

U : Indicates the analyte was analyzed for but not detected.

(d) Criterion is expressed as a function of the Water Effect Ratio (WER). For criterion in the table, WER equates to the default value of 1.0.

(h) Human health noncarcinogen

(hc) Human health carcinogen

(s) Dissolved criterion

(T) Total recoverable criterion

CAS No.	Contaminant	Analyte in Report	Soil Remediation Standard Ingestion- Dermal Nonresidential - Table 2	Soil Remediation Standard Inhalation Nonresidential - Table 4	C-4 DISCRET E	Q	MDL	SC-2 (C3+C7)	Q	MDL	SC-3 (C5+C6+C8)	Q	MDL
18540-29-9	Hexavalent Chromium	Cr (VI) (mg/kg)	20	NA	4.4	U	3.9	19	U	16	19	U	17

KEY

Highlighted Concentrations shown in bold type face exceed limits

^+ : Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.

^2 : Calibration Blank (ICB and/or CCB) is outside acceptance limits.

^3- : Reporting Limit Check Standard is outside acceptance limits, low biased.

^3+ : Reporting Limit Check Standard is outside acceptance limits, high biased

B: Compound was found in blank and sample

F1 : MS and/or MSD recovery exceeds control limits.

H : Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

H3 : Sample was received and analyzed past holding time. This does not meet regulatory requirements.

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

NR: No result

U : Indicates the analyte was analyzed for but not detected.

*1 : LCS/LCSD RPD exceeds control limits.

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

p : The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

U : Indicates the analyte was analyzed for but not detected.

APPENDIX C

**DREDGE MATERIAL CHARACTERIZATION
REPORT
BY
EUROFINS LABORATORY**

26-073

USACE – LEWES FERRY TERMINAL
SEPTEMBER 2026

ANALYTICAL REPORT

PREPARED FOR

Attn: Paul Ferry
ST Hudson Engineers
900 Dudley Avenue
Cherry Hill, New Jersey 08002

Generated 6/30/2026 7:41:36 AM

JOB DESCRIPTION

DRBA Lewes Ferry Terminal - SW/FB

JOB NUMBER

630-138117-1

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager or designee who has signed this report.

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Definitions/Glossary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: ST Hudson Engineers
Project: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Job ID: 630-138117-1

EurofinsPhiladelphia

Job Narrative 630-138117-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 6/11/2026 8:46 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

GC/MS Semi VOA

Method EPA 8270E LL: The continuing calibration verification (CCV) analyzed in 180-515161 was outside the method criteria for the following analyte(s): N-Nitrosodimethylamine and Pentachlorophenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

PCBs

Method EPA 8082A: The continuing calibration verification (CCV) associated with 180-515118 recovered low and outside the control limits for surrogate TCMX on one column. Results are confirmed on both columns and reported from the passing column. The associated sample is: (CCVIS 180-515118/26).

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

Pesticides

Method EPA 8081B LL: The continuing calibration verification (CCV) associated with 180-515112 recovered high and outside the control limits for 4,4-DDT on one column. Results are confirmed on both columns and reported from the passing column. The associated sample is: (CCVIS 180-515112/6).

Method EPA 8081B LL: The continuing calibration verification (CCV) associated with batch 180-515112 recovered above the upper control limit for heptachlor and methoxychlor. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method EPA 8081B LL: The chlordaneAnalytes> on one column. Results are confirmed on both columns and hits were reported from the passing column. The associated sample is: (CCV 180-515112/3).

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

Metals

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

General Chemistry

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

EurofinsPhiladelphia

Detection Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Client Sample ID: SITE WATER

Lab Sample ID: 630-138117-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	0.0023	J	0.0096	0.0020	mg/L	1		EPA 8270E LL	Total/NA
Caprolactam	0.0015	J	0.0048	0.00065	mg/L	1		EPA 8270E LL	Total/NA
Di-n-butyl phthalate	0.00051	J	0.00096	0.00036	mg/L	1		EPA 8270E LL	Total/NA
Diethyl phthalate	0.00036	J	0.00096	0.00024	mg/L	1		EPA 8270E LL	Total/NA
Naphthalene	0.000087	J	0.00018	0.000057	mg/L	1		EPA 8270E LL	Total/NA
Aluminum	0.35		0.025	0.012	mg/L	1		6020B	Total Recoverable
Arsenic	0.0023		0.0020	0.00068	mg/L	1		6020B	Total Recoverable
Barium	0.011		0.0020	0.00075	mg/L	1		6020B	Total Recoverable
Calcium	370		10	5.0	mg/L	100		6020B	Total Recoverable
Chromium	0.0010	J	0.0020	0.00055	mg/L	1		6020B	Total Recoverable
Cobalt	0.00023	J	0.00050	0.00016	mg/L	1		6020B	Total Recoverable
Copper	0.0011		0.0010	0.00085	mg/L	1		6020B	Total Recoverable
Iron	0.47		0.050	0.020	mg/L	1		6020B	Total Recoverable
Lead	0.00062		0.00050	0.00012	mg/L	1		6020B	Total Recoverable
Magnesium	1100		5.0	1.6	mg/L	100		6020B	Total Recoverable
Manganese	0.021		0.0020	0.0012	mg/L	1		6020B	Total Recoverable
Nickel	0.00086	J	0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Potassium	340		20	6.5	mg/L	100		6020B	Total Recoverable
Selenium	0.00058	J	0.0010	0.00028	mg/L	1		6020B	Total Recoverable
Sodium	9100	^2	20	9.0	mg/L	100		6020B	Total Recoverable
Vanadium	0.0025	J	0.0040	0.00079	mg/L	1		6020B	Total Recoverable

Client Sample ID: FIELD BLANK

Lab Sample ID: 630-138117-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Caprolactam	0.0014	J	0.0048	0.00065	mg/L	1		EPA 8270E LL	Total/NA
Di-n-butyl phthalate	0.00063	J	0.00096	0.00036	mg/L	1		EPA 8270E LL	Total/NA
Diethyl phthalate	0.00033	J	0.00096	0.00024	mg/L	1		EPA 8270E LL	Total/NA
Naphthalene	0.00012	J	0.00018	0.000057	mg/L	1		EPA 8270E LL	Total/NA
Calcium	0.11		0.10	0.050	mg/L	1		6020B	Total Recoverable
Magnesium	0.019	J	0.050	0.016	mg/L	1		6020B	Total Recoverable
Sodium	0.27		0.20	0.090	mg/L	1		6020B	Total Recoverable
Zinc	0.0048	J	0.010	0.0040	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Client Sample ID: SITE WATER

Lab Sample ID: 630-138117-1

Date Collected: 06/10/26 15:00

Matrix: Water

Date Received: 06/11/26 08:46

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.00096	U	0.00096	0.00014	mg/L		06/16/26 20:19	06/18/26 19:40	1
1,2-Dichlorobenzene	0.00096	U	0.00096	0.00020	mg/L		06/16/26 20:19	06/18/26 19:40	1
1,2,4,5-Tetrachlorobenzene	0.00096	U	0.00096	0.00014	mg/L		06/16/26 20:19	06/18/26 19:40	1
1,3-Dichlorobenzene	0.00096	U	0.00096	0.00021	mg/L		06/16/26 20:19	06/18/26 19:40	1
1,4-Dichlorobenzene	0.00096	U	0.00096	0.00023	mg/L		06/16/26 20:19	06/18/26 19:40	1
1,4-Dioxane	0.0019	U	0.0019	0.00060	mg/L		06/16/26 20:19	06/18/26 19:40	1
1,2-Diphenylhydrazine(as Azobenzene)	0.00096	U	0.00096	0.00019	mg/L		06/16/26 20:19	06/18/26 19:40	1
1,2,4-Trichlorobenzene	0.00096	U	0.00096	0.00023	mg/L		06/16/26 20:19	06/18/26 19:40	1
2-Chloronaphthalene	0.00018	U	0.00018	0.000057	mg/L		06/16/26 20:19	06/18/26 19:40	1
2-Chlorophenol	0.00096	U	0.00096	0.00022	mg/L		06/16/26 20:19	06/18/26 19:40	1
2,3,4,6-Tetrachlorophenol	0.00096	U	0.00096	0.00031	mg/L		06/16/26 20:19	06/18/26 19:40	1
2,4-Dichlorophenol	0.00018	U	0.00018	0.000049	mg/L		06/16/26 20:19	06/18/26 19:40	1
2,4-Dimethylphenol	0.00096	U	0.00096	0.00056	mg/L		06/16/26 20:19	06/18/26 19:40	1
2,4-Dinitrophenol	0.0096	U	0.0096	0.0031	mg/L		06/16/26 20:19	06/18/26 19:40	1
2,4-Dinitrotoluene	0.00096	U	0.00096	0.00034	mg/L		06/16/26 20:19	06/18/26 19:40	1
2,6-Dinitrotoluene	0.00096	U	0.00096	0.00017	mg/L		06/16/26 20:19	06/18/26 19:40	1
2-Methylnaphthalene	0.00018	U	0.00018	0.000060	mg/L		06/16/26 20:19	06/18/26 19:40	1
2-Methylphenol	0.00096	U	0.00096	0.00054	mg/L		06/16/26 20:19	06/18/26 19:40	1
Methylphenol, 3 & 4	0.00096	U	0.00096	0.00036	mg/L		06/16/26 20:19	06/18/26 19:40	1
2-Nitroaniline	0.0048	U	0.0048	0.00053	mg/L		06/16/26 20:19	06/18/26 19:40	1
3-Nitroaniline	0.0048	U	0.0048	0.00042	mg/L		06/16/26 20:19	06/18/26 19:40	1
4-Nitroaniline	0.0048	U	0.0048	0.00035	mg/L		06/16/26 20:19	06/18/26 19:40	1
2-Nitrophenol	0.00096	U	0.00096	0.00019	mg/L		06/16/26 20:19	06/18/26 19:40	1
4-Nitrophenol	0.0048	U	0.0048	0.00090	mg/L		06/16/26 20:19	06/18/26 19:40	1
2,2'-oxybis[1-chloropropane]	0.00018	U	0.00018	0.00012	mg/L		06/16/26 20:19	06/18/26 19:40	1
2,4,5-Trichlorophenol	0.00096	U	0.00096	0.00024	mg/L		06/16/26 20:19	06/18/26 19:40	1
2,4,6-Trichlorophenol	0.00096	U	0.00096	0.00022	mg/L		06/16/26 20:19	06/18/26 19:40	1
4-Chloro-3-methylphenol	0.00096	U	0.00096	0.00042	mg/L		06/16/26 20:19	06/18/26 19:40	1
4-Chlorophenyl phenyl ether	0.00096	U	0.00096	0.00021	mg/L		06/16/26 20:19	06/18/26 19:40	1
4,6-Dinitro-2-methylphenol	0.0048	U	0.0048	0.0014	mg/L		06/16/26 20:19	06/18/26 19:40	1
Cresols, Total	0.0019	U	0.0019	0.00074	mg/L		06/16/26 20:19	06/18/26 19:40	1
Acenaphthene	0.00018	U	0.00018	0.000063	mg/L		06/16/26 20:19	06/18/26 19:40	1
Acenaphthylene	0.00018	U	0.00018	0.000063	mg/L		06/16/26 20:19	06/18/26 19:40	1
Acetophenone	0.00096	U	0.00096	0.00015	mg/L		06/16/26 20:19	06/18/26 19:40	1
Aniline	0.00096	U	0.00096	0.00036	mg/L		06/16/26 20:19	06/18/26 19:40	1
Anthracene	0.00018	U	0.00018	0.000047	mg/L		06/16/26 20:19	06/18/26 19:40	1
Atrazine	0.00096	U	0.00096	0.00028	mg/L		06/16/26 20:19	06/18/26 19:40	1
Benzaldehyde	0.00096	U	0.00096	0.00052	mg/L		06/16/26 20:19	06/18/26 19:40	1
Benzidine	0.019	U	0.019	0.0088	mg/L		06/16/26 20:19	06/18/26 19:40	1
Benzo[a]anthracene	0.00018	U	0.00018	0.000072	mg/L		06/16/26 20:19	06/18/26 19:40	1
Benzo[b]fluoranthene	0.00018	U	0.00018	0.000093	mg/L		06/16/26 20:19	06/18/26 19:40	1
Benzo[k]fluoranthene	0.00018	U	0.00018	0.000085	mg/L		06/16/26 20:19	06/18/26 19:40	1
Benzoic acid	0.0048	U	0.0048	0.0024	mg/L		06/16/26 20:19	06/18/26 19:40	1
Benzo[g,h,i]perylene	0.00018	U	0.00018	0.000066	mg/L		06/16/26 20:19	06/18/26 19:40	1
Benzo[a]pyrene	0.00018	U	0.00018	0.00012	mg/L		06/16/26 20:19	06/18/26 19:40	1
Bis(2-chloroethoxy)methane	0.00096	U	0.00096	0.00015	mg/L		06/16/26 20:19	06/18/26 19:40	1
Bis(2-chloroethyl)ether	0.00018	U	0.00018	0.00013	mg/L		06/16/26 20:19	06/18/26 19:40	1
Bis(2-ethylhexyl) phthalate	0.0023	J	0.0096	0.0020	mg/L		06/16/26 20:19	06/18/26 19:40	1
4-Bromophenyl phenyl ether	0.00096	U	0.00096	0.00031	mg/L		06/16/26 20:19	06/18/26 19:40	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Client Sample ID: SITE WATER

Lab Sample ID: 630-138117-1

Date Collected: 06/10/26 15:00

Matrix: Water

Date Received: 06/11/26 08:46

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	0.0019	U	0.0019	0.00090	mg/L		06/16/26 20:19	06/18/26 19:40	1
Caprolactam	0.0015	J	0.0048	0.00065	mg/L		06/16/26 20:19	06/18/26 19:40	1
Carbazole	0.00018	U	0.00018	0.000049	mg/L		06/16/26 20:19	06/18/26 19:40	1
4-Chloroaniline	0.00096	U	0.00096	0.00036	mg/L		06/16/26 20:19	06/18/26 19:40	1
Chrysene	0.00018	U	0.00018	0.000078	mg/L		06/16/26 20:19	06/18/26 19:40	1
Dibenz(a,h)anthracene	0.00018	U	0.00018	0.000069	mg/L		06/16/26 20:19	06/18/26 19:40	1
Dibenzofuran	0.00096	U	0.00096	0.00018	mg/L		06/16/26 20:19	06/18/26 19:40	1
Di-n-butyl phthalate	0.00051	J	0.00096	0.00036	mg/L		06/16/26 20:19	06/18/26 19:40	1
Di-n-octyl phthalate	0.00096	U	0.00096	0.00066	mg/L		06/16/26 20:19	06/18/26 19:40	1
Diethyl phthalate	0.00036	J	0.00096	0.00024	mg/L		06/16/26 20:19	06/18/26 19:40	1
Dimethyl phthalate	0.0019	U	0.0019	0.00019	mg/L		06/16/26 20:19	06/18/26 19:40	1
Fluoranthene	0.00018	U	0.00018	0.000058	mg/L		06/16/26 20:19	06/18/26 19:40	1
Fluorene	0.00018	U	0.00018	0.000066	mg/L		06/16/26 20:19	06/18/26 19:40	1
Hexachlorobenzene	0.00018	U	0.00018	0.000054	mg/L		06/16/26 20:19	06/18/26 19:40	1
Hexachlorobutadiene	0.00018	U	0.00018	0.00015	mg/L		06/16/26 20:19	06/18/26 19:40	1
Hexachlorocyclopentadiene	0.00096	U	0.00096	0.00048	mg/L		06/16/26 20:19	06/18/26 19:40	1
Hexachloroethane	0.00096	U	0.00096	0.00031	mg/L		06/16/26 20:19	06/18/26 19:40	1
Indeno[1,2,3-cd]pyrene	0.00018	U	0.00018	0.000082	mg/L		06/16/26 20:19	06/18/26 19:40	1
Isophorone	0.00096	U	0.00096	0.00018	mg/L		06/16/26 20:19	06/18/26 19:40	1
Naphthalene	0.000087	J	0.00018	0.000057	mg/L		06/16/26 20:19	06/18/26 19:40	1
Nitrobenzene	0.0019	U	0.0019	0.00048	mg/L		06/16/26 20:19	06/18/26 19:40	1
N-Nitrosodimethylamine	0.00096	U	0.00096	0.00025	mg/L		06/16/26 20:19	06/18/26 19:40	1
N-Nitrosodiphenylamine	0.00096	U	0.00096	0.00024	mg/L		06/16/26 20:19	06/18/26 19:40	1
N-Nitrosodi-n-propylamine	0.00018	U	0.00018	0.000068	mg/L		06/16/26 20:19	06/18/26 19:40	1
Pentachlorophenol	0.0048	U	0.0048	0.00081	mg/L		06/16/26 20:19	06/18/26 19:40	1
Phenanthrene	0.00018	U	0.00018	0.00015	mg/L		06/16/26 20:19	06/18/26 19:40	1
Phenol	0.00096	U	0.00096	0.00047	mg/L		06/16/26 20:19	06/18/26 19:40	1
Pyrene	0.00018	U	0.00018	0.00011	mg/L		06/16/26 20:19	06/18/26 19:40	1
Pyridine	0.0019	U	0.0019	0.0011	mg/L		06/16/26 20:19	06/18/26 19:40	1
Benzyl alcohol	0.0048	U	0.0048	0.0016	mg/L		06/16/26 20:19	06/18/26 19:40	1
3,3'-Dichlorobenzidine	0.00096	U	0.00096	0.00056	mg/L		06/16/26 20:19	06/18/26 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	88		27 - 105	06/16/26 20:19	06/18/26 19:40	1
2-Fluorophenol (Surr)	88		16 - 111	06/16/26 20:19	06/18/26 19:40	1
2,4,6-Tribromophenol (Surr)	104		18 - 128	06/16/26 20:19	06/18/26 19:40	1
Nitrobenzene-d5 (Surr)	89		22 - 113	06/16/26 20:19	06/18/26 19:40	1
Phenol-d5 (Surr)	93		27 - 105	06/16/26 20:19	06/18/26 19:40	1
Terphenyl-d14 (Surr)	101		24 - 128	06/16/26 20:19	06/18/26 19:40	1

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	0.0000013	U	0.0000013	0.0000003	mg/L		06/17/26 00:12	06/17/26 13:06	1
				5					
alpha-BHC (1C)	0.0000013	U	0.0000013	0.0000002	mg/L		06/17/26 00:12	06/17/26 13:06	1
				3					
beta-BHC (1C)	0.0000013	U	0.0000013	0.0000003	mg/L		06/17/26 00:12	06/17/26 13:06	1
				6					
delta-BHC (1C)	0.0000013	U	0.0000013	0.0000006	mg/L		06/17/26 00:12	06/17/26 13:06	1
				2					

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Client Sample ID: SITE WATER

Lab Sample ID: 630-138117-1

Date Collected: 06/10/26 15:00

Matrix: Water

Date Received: 06/11/26 08:46

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane) (1C)	0.0000013	U	0.0000013	0.0000002	mg/L		06/17/26 00:12	06/17/26 13:06	1
				8					
cis-Chlordane (1C)	0.0000013	U	0.0000013	0.0000003	mg/L		06/17/26 00:12	06/17/26 13:06	1
				6					
trans-Chlordane (1C)	0.0000013	U	0.0000013	0.0000009	mg/L		06/17/26 00:12	06/17/26 13:06	1
				1					
Chlordane (technical) (1C)	0.000012	U	0.000012	0.0000070	mg/L		06/17/26 00:12	06/17/26 13:06	1
4,4'-DDD (1C)	0.0000013	U	0.0000013	0.0000005	mg/L		06/17/26 00:12	06/17/26 13:06	1
				2					
4,4'-DDE (1C)	0.0000013	U	0.0000013	0.0000007	mg/L		06/17/26 00:12	06/17/26 13:06	1
				0					
4,4'-DDT (1C)	0.0000013	U	0.0000013	0.0000006	mg/L		06/17/26 00:12	06/17/26 13:06	1
				7					
Dieldrin (1C)	0.0000013	U	0.0000013	0.0000002	mg/L		06/17/26 00:12	06/17/26 13:06	1
				7					
Endosulfan I (1C)	0.0000013	U	0.0000013	0.0000006	mg/L		06/17/26 00:12	06/17/26 13:06	1
				7					
Endosulfan II (1C)	0.0000013	U	0.0000013	0.0000009	mg/L		06/17/26 00:12	06/17/26 13:06	1
				1					
Endosulfan sulfate (1C)	0.0000013	U	0.0000013	0.0000006	mg/L		06/17/26 00:12	06/17/26 13:06	1
				2					
Endrin (1C)	0.0000013	U	0.0000013	0.0000002	mg/L		06/17/26 00:12	06/17/26 13:06	1
				2					
Endrin aldehyde (1C)	0.0000013	U	0.0000013	0.0000005	mg/L		06/17/26 00:12	06/17/26 13:06	1
				0					
Endrin ketone (1C)	0.0000013	U	0.0000013	0.0000009	mg/L		06/17/26 00:12	06/17/26 13:06	1
				7					
Heptachlor (1C)	0.0000013	U	0.0000013	0.0000004	mg/L		06/17/26 00:12	06/17/26 13:06	1
				4					
Heptachlor epoxide (1C)	0.0000013	U	0.0000013	0.0000003	mg/L		06/17/26 00:12	06/17/26 13:06	1
				3					
Methoxychlor (1C)	0.0000013	U	0.0000013	0.0000007	mg/L		06/17/26 00:12	06/17/26 13:06	1
				5					
Mirex (1C)	0.0000013	U	0.0000013	0.0000004	mg/L		06/17/26 00:12	06/17/26 13:06	1
				5					
Toxaphene (1C)	0.000097	U	0.000097	0.000048	mg/L		06/17/26 00:12	06/17/26 13:06	1
Endosulfan, Total (1C)	0.0000025	U	0.0000025	0.0000009	mg/L		06/17/26 00:12	06/17/26 13:06	1
				7					

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr) (1C)	84		11 - 150	06/17/26 00:12	06/17/26 13:06	1
Tetrachloro-m-xylene (Surr) (2C)	97		11 - 150	06/17/26 00:12	06/17/26 13:06	1
DCB Decachlorobiphenyl (Surr) (1C)	76		17 - 142	06/17/26 00:12	06/17/26 13:06	1
DCB Decachlorobiphenyl (Surr) (2C)	80		17 - 142	06/17/26 00:12	06/17/26 13:06	1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	0.0000097	U	0.0000097	0.0000046	mg/L		06/17/26 00:12	06/17/26 13:57	1
PCB-1221 (1C)	0.0000097	U	0.0000097	0.0000056	mg/L		06/17/26 00:12	06/17/26 13:57	1
PCB-1232 (1C)	0.0000097	U	0.0000097	0.0000051	mg/L		06/17/26 00:12	06/17/26 13:57	1
PCB-1242 (1C)	0.0000097	U	0.0000097	0.0000035	mg/L		06/17/26 00:12	06/17/26 13:57	1
PCB-1248 (1C)	0.0000097	U	0.0000097	0.0000078	mg/L		06/17/26 00:12	06/17/26 13:57	1
PCB-1254 (1C)	0.0000097	U	0.0000097	0.0000044	mg/L		06/17/26 00:12	06/17/26 13:57	1
PCB-1260 (1C)	0.0000097	U	0.0000097	0.0000038	mg/L		06/17/26 00:12	06/17/26 13:57	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Client Sample ID: SITE WATER

Lab Sample ID: 630-138117-1

Date Collected: 06/10/26 15:00

Matrix: Water

Date Received: 06/11/26 08:46

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	79		23 - 133	06/17/26 00:12	06/17/26 13:57	1
DCB Decachlorobiphenyl (Surr) (2C)	80		23 - 133	06/17/26 00:12	06/17/26 13:57	1
Tetrachloro-m-xylene (Surr) (1C)	71		20 - 133	06/17/26 00:12	06/17/26 13:57	1
Tetrachloro-m-xylene (Surr) (2C)	76		20 - 133	06/17/26 00:12	06/17/26 13:57	1

Method: TAL SOP PCB - Total PCB Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.0000097	U	0.0000097	0.0000078	mg/L			06/17/26 13:57	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.35		0.025	0.012	mg/L		06/24/26 07:20	06/24/26 16:56	1
Antimony	0.0010	U	0.0010	0.00020	mg/L		06/24/26 07:20	06/24/26 16:56	1
Arsenic	0.0023		0.0020	0.00068	mg/L		06/24/26 07:20	06/24/26 16:56	1
Barium	0.011		0.0020	0.00075	mg/L		06/24/26 07:20	06/24/26 16:56	1
Beryllium	0.00050	U	0.00050	0.00012	mg/L		06/24/26 07:20	06/24/26 16:56	1
Cadmium	0.00050	U	0.00050	0.00015	mg/L		06/24/26 07:20	06/24/26 16:56	1
Calcium	370		10	5.0	mg/L		06/24/26 07:20	06/24/26 19:13	100
Chromium	0.0010	J	0.0020	0.00055	mg/L		06/24/26 07:20	06/24/26 16:56	1
Cobalt	0.00023	J	0.00050	0.00016	mg/L		06/24/26 07:20	06/24/26 16:56	1
Copper	0.0011		0.0010	0.00085	mg/L		06/24/26 07:20	06/24/26 16:56	1
Iron	0.47		0.050	0.020	mg/L		06/24/26 07:20	06/24/26 16:56	1
Lead	0.00062		0.00050	0.00012	mg/L		06/24/26 07:20	06/24/26 16:56	1
Magnesium	1100		5.0	1.6	mg/L		06/24/26 07:20	06/24/26 19:13	100
Manganese	0.021		0.0020	0.0012	mg/L		06/24/26 07:20	06/24/26 16:56	1
Nickel	0.00086	J	0.0010	0.00040	mg/L		06/24/26 07:20	06/24/26 16:56	1
Potassium	340		20	6.5	mg/L		06/24/26 07:20	06/24/26 19:13	100
Selenium	0.00058	J	0.0010	0.00028	mg/L		06/24/26 07:20	06/24/26 16:56	1
Silver	0.00050	U	0.00050	0.00010	mg/L		06/24/26 07:20	06/24/26 16:56	1
Sodium	9100	^2	20	9.0	mg/L		06/24/26 07:20	06/24/26 19:13	100
Thallium	0.00050	U	0.00050	0.00013	mg/L		06/24/26 07:20	06/24/26 16:56	1
Zinc	0.010	U	0.010	0.0040	mg/L		06/24/26 07:20	06/24/26 16:56	1
Vanadium	0.0025	J	0.0040	0.00079	mg/L		06/24/26 07:20	06/24/26 16:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000087	mg/L		06/19/26 15:44	06/19/26 23:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 EPA 9014)	0.010	U	0.010	0.0080	mg/L		06/18/26 12:44	06/18/26 16:19	1

Client Sample ID: FIELD BLANK

Lab Sample ID: 630-138117-2

Date Collected: 06/11/26 08:41

Matrix: Water

Date Received: 06/11/26 08:46

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.00096	U	0.00096	0.00014	mg/L		06/16/26 20:19	06/18/26 20:03	1
1,2-Dichlorobenzene	0.00096	U	0.00096	0.00020	mg/L		06/16/26 20:19	06/18/26 20:03	1
1,2,4,5-Tetrachlorobenzene	0.00096	U	0.00096	0.00014	mg/L		06/16/26 20:19	06/18/26 20:03	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Client Sample ID: FIELD BLANK

Lab Sample ID: 630-138117-2

Date Collected: 06/11/26 08:41

Matrix: Water

Date Received: 06/11/26 08:46

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.00096	U	0.00096	0.00021	mg/L		06/16/26 20:19	06/18/26 20:03	1
1,4-Dichlorobenzene	0.00096	U	0.00096	0.00023	mg/L		06/16/26 20:19	06/18/26 20:03	1
1,4-Dioxane	0.0019	U	0.0019	0.00060	mg/L		06/16/26 20:19	06/18/26 20:03	1
1,2-Diphenylhydrazine(as Azobenzene)	0.00096	U	0.00096	0.00019	mg/L		06/16/26 20:19	06/18/26 20:03	1
1,2,4-Trichlorobenzene	0.00096	U	0.00096	0.00023	mg/L		06/16/26 20:19	06/18/26 20:03	1
2-Chloronaphthalene	0.00018	U	0.00018	0.000057	mg/L		06/16/26 20:19	06/18/26 20:03	1
2-Chlorophenol	0.00096	U	0.00096	0.00022	mg/L		06/16/26 20:19	06/18/26 20:03	1
2,3,4,6-Tetrachlorophenol	0.00096	U	0.00096	0.00031	mg/L		06/16/26 20:19	06/18/26 20:03	1
2,4-Dichlorophenol	0.00018	U	0.00018	0.000049	mg/L		06/16/26 20:19	06/18/26 20:03	1
2,4-Dimethylphenol	0.00096	U	0.00096	0.00056	mg/L		06/16/26 20:19	06/18/26 20:03	1
2,4-Dinitrophenol	0.0096	U	0.0096	0.0031	mg/L		06/16/26 20:19	06/18/26 20:03	1
2,4-Dinitrotoluene	0.00096	U	0.00096	0.00034	mg/L		06/16/26 20:19	06/18/26 20:03	1
2,6-Dinitrotoluene	0.00096	U	0.00096	0.00017	mg/L		06/16/26 20:19	06/18/26 20:03	1
2-Methylnaphthalene	0.00018	U	0.00018	0.000060	mg/L		06/16/26 20:19	06/18/26 20:03	1
2-Methylphenol	0.00096	U	0.00096	0.00054	mg/L		06/16/26 20:19	06/18/26 20:03	1
Methylphenol, 3 & 4	0.00096	U	0.00096	0.00036	mg/L		06/16/26 20:19	06/18/26 20:03	1
2-Nitroaniline	0.0048	U	0.0048	0.00053	mg/L		06/16/26 20:19	06/18/26 20:03	1
3-Nitroaniline	0.0048	U	0.0048	0.00042	mg/L		06/16/26 20:19	06/18/26 20:03	1
4-Nitroaniline	0.0048	U	0.0048	0.00035	mg/L		06/16/26 20:19	06/18/26 20:03	1
2-Nitrophenol	0.00096	U	0.00096	0.00019	mg/L		06/16/26 20:19	06/18/26 20:03	1
4-Nitrophenol	0.0048	U	0.0048	0.00090	mg/L		06/16/26 20:19	06/18/26 20:03	1
2,2'-oxybis[1-chloropropane]	0.00018	U	0.00018	0.00012	mg/L		06/16/26 20:19	06/18/26 20:03	1
2,4,5-Trichlorophenol	0.00096	U	0.00096	0.00024	mg/L		06/16/26 20:19	06/18/26 20:03	1
2,4,6-Trichlorophenol	0.00096	U	0.00096	0.00022	mg/L		06/16/26 20:19	06/18/26 20:03	1
4-Chloro-3-methylphenol	0.00096	U	0.00096	0.00042	mg/L		06/16/26 20:19	06/18/26 20:03	1
4-Chlorophenyl phenyl ether	0.00096	U	0.00096	0.00021	mg/L		06/16/26 20:19	06/18/26 20:03	1
4,6-Dinitro-2-methylphenol	0.0048	U	0.0048	0.0014	mg/L		06/16/26 20:19	06/18/26 20:03	1
Cresols, Total	0.0019	U	0.0019	0.00074	mg/L		06/16/26 20:19	06/18/26 20:03	1
Acenaphthene	0.00018	U	0.00018	0.000063	mg/L		06/16/26 20:19	06/18/26 20:03	1
Acenaphthylene	0.00018	U	0.00018	0.000063	mg/L		06/16/26 20:19	06/18/26 20:03	1
Acetophenone	0.00096	U	0.00096	0.00015	mg/L		06/16/26 20:19	06/18/26 20:03	1
Aniline	0.00096	U	0.00096	0.00036	mg/L		06/16/26 20:19	06/18/26 20:03	1
Anthracene	0.00018	U	0.00018	0.000047	mg/L		06/16/26 20:19	06/18/26 20:03	1
Atrazine	0.00096	U	0.00096	0.00028	mg/L		06/16/26 20:19	06/18/26 20:03	1
Benzaldehyde	0.00096	U	0.00096	0.00052	mg/L		06/16/26 20:19	06/18/26 20:03	1
Benzidine	0.019	U	0.019	0.0088	mg/L		06/16/26 20:19	06/18/26 20:03	1
Benzo[a]anthracene	0.00018	U	0.00018	0.000072	mg/L		06/16/26 20:19	06/18/26 20:03	1
Benzo[b]fluoranthene	0.00018	U	0.00018	0.000093	mg/L		06/16/26 20:19	06/18/26 20:03	1
Benzo[k]fluoranthene	0.00018	U	0.00018	0.000085	mg/L		06/16/26 20:19	06/18/26 20:03	1
Benzoic acid	0.0048	U	0.0048	0.0024	mg/L		06/16/26 20:19	06/18/26 20:03	1
Benzo[g,h,i]perylene	0.00018	U	0.00018	0.000066	mg/L		06/16/26 20:19	06/18/26 20:03	1
Benzo[a]pyrene	0.00018	U	0.00018	0.00012	mg/L		06/16/26 20:19	06/18/26 20:03	1
Bis(2-chloroethoxy)methane	0.00096	U	0.00096	0.00015	mg/L		06/16/26 20:19	06/18/26 20:03	1
Bis(2-chloroethyl)ether	0.00018	U	0.00018	0.00013	mg/L		06/16/26 20:19	06/18/26 20:03	1
Bis(2-ethylhexyl) phthalate	0.0096	U	0.0096	0.0020	mg/L		06/16/26 20:19	06/18/26 20:03	1
4-Bromophenyl phenyl ether	0.00096	U	0.00096	0.00031	mg/L		06/16/26 20:19	06/18/26 20:03	1
Butyl benzyl phthalate	0.0019	U	0.0019	0.00090	mg/L		06/16/26 20:19	06/18/26 20:03	1
Caprolactam	0.0014	J	0.0048	0.00065	mg/L		06/16/26 20:19	06/18/26 20:03	1
Carbazole	0.00018	U	0.00018	0.000049	mg/L		06/16/26 20:19	06/18/26 20:03	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Client Sample ID: FIELD BLANK

Lab Sample ID: 630-138117-2

Date Collected: 06/11/26 08:41

Matrix: Water

Date Received: 06/11/26 08:46

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	0.00096	U	0.00096	0.00036	mg/L		06/16/26 20:19	06/18/26 20:03	1
Chrysene	0.00018	U	0.00018	0.000078	mg/L		06/16/26 20:19	06/18/26 20:03	1
Dibenz(a,h)anthracene	0.00018	U	0.00018	0.000069	mg/L		06/16/26 20:19	06/18/26 20:03	1
Dibenzofuran	0.00096	U	0.00096	0.00018	mg/L		06/16/26 20:19	06/18/26 20:03	1
Di-n-butyl phthalate	0.00063	J	0.00096	0.00036	mg/L		06/16/26 20:19	06/18/26 20:03	1
Di-n-octyl phthalate	0.00096	U	0.00096	0.00066	mg/L		06/16/26 20:19	06/18/26 20:03	1
Diethyl phthalate	0.00033	J	0.00096	0.00024	mg/L		06/16/26 20:19	06/18/26 20:03	1
Dimethyl phthalate	0.0019	U	0.0019	0.00019	mg/L		06/16/26 20:19	06/18/26 20:03	1
Fluoranthene	0.00018	U	0.00018	0.000058	mg/L		06/16/26 20:19	06/18/26 20:03	1
Fluorene	0.00018	U	0.00018	0.000066	mg/L		06/16/26 20:19	06/18/26 20:03	1
Hexachlorobenzene	0.00018	U	0.00018	0.000054	mg/L		06/16/26 20:19	06/18/26 20:03	1
Hexachlorobutadiene	0.00018	U	0.00018	0.00015	mg/L		06/16/26 20:19	06/18/26 20:03	1
Hexachlorocyclopentadiene	0.00096	U	0.00096	0.00048	mg/L		06/16/26 20:19	06/18/26 20:03	1
Hexachloroethane	0.00096	U	0.00096	0.00031	mg/L		06/16/26 20:19	06/18/26 20:03	1
Indeno[1,2,3-cd]pyrene	0.00018	U	0.00018	0.000082	mg/L		06/16/26 20:19	06/18/26 20:03	1
Isophorone	0.00096	U	0.00096	0.00018	mg/L		06/16/26 20:19	06/18/26 20:03	1
Naphthalene	0.00012	J	0.00018	0.000057	mg/L		06/16/26 20:19	06/18/26 20:03	1
Nitrobenzene	0.0019	U	0.0019	0.00048	mg/L		06/16/26 20:19	06/18/26 20:03	1
N-Nitrosodimethylamine	0.00096	U	0.00096	0.00025	mg/L		06/16/26 20:19	06/18/26 20:03	1
N-Nitrosodiphenylamine	0.00096	U	0.00096	0.00024	mg/L		06/16/26 20:19	06/18/26 20:03	1
N-Nitrosodi-n-propylamine	0.00018	U	0.00018	0.000068	mg/L		06/16/26 20:19	06/18/26 20:03	1
Pentachlorophenol	0.0048	U	0.0048	0.00081	mg/L		06/16/26 20:19	06/18/26 20:03	1
Phenanthrene	0.00018	U	0.00018	0.00015	mg/L		06/16/26 20:19	06/18/26 20:03	1
Phenol	0.00096	U	0.00096	0.00047	mg/L		06/16/26 20:19	06/18/26 20:03	1
Pyrene	0.00018	U	0.00018	0.00011	mg/L		06/16/26 20:19	06/18/26 20:03	1
Pyridine	0.0019	U	0.0019	0.0011	mg/L		06/16/26 20:19	06/18/26 20:03	1
Benzyl alcohol	0.0048	U	0.0048	0.0016	mg/L		06/16/26 20:19	06/18/26 20:03	1
3,3'-Dichlorobenzidine	0.00096	U	0.00096	0.00056	mg/L		06/16/26 20:19	06/18/26 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	89		27 - 105	06/16/26 20:19	06/18/26 20:03	1
2-Fluorophenol (Surr)	92		16 - 111	06/16/26 20:19	06/18/26 20:03	1
2,4,6-Tribromophenol (Surr)	110		18 - 128	06/16/26 20:19	06/18/26 20:03	1
Nitrobenzene-d5 (Surr)	94		22 - 113	06/16/26 20:19	06/18/26 20:03	1
Phenol-d5 (Surr)	101		27 - 105	06/16/26 20:19	06/18/26 20:03	1
Terphenyl-d14 (Surr)	108		24 - 128	06/16/26 20:19	06/18/26 20:03	1

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	0.0000013	U	0.0000013	0.0000003	mg/L		06/17/26 00:12	06/17/26 13:24	1
				5					
alpha-BHC (1C)	0.0000013	U	0.0000013	0.0000002	mg/L		06/17/26 00:12	06/17/26 13:24	1
				3					
beta-BHC (1C)	0.0000013	U	0.0000013	0.0000003	mg/L		06/17/26 00:12	06/17/26 13:24	1
				6					
delta-BHC (1C)	0.0000013	U	0.0000013	0.0000006	mg/L		06/17/26 00:12	06/17/26 13:24	1
				3					
gamma-BHC (Lindane) (1C)	0.0000013	U	0.0000013	0.0000002	mg/L		06/17/26 00:12	06/17/26 13:24	1
				9					
cis-Chlordane (1C)	0.0000013	U	0.0000013	0.0000003	mg/L		06/17/26 00:12	06/17/26 13:24	1
				6					

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Client Sample ID: FIELD BLANK

Lab Sample ID: 630-138117-2

Date Collected: 06/11/26 08:41

Matrix: Water

Date Received: 06/11/26 08:46

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-Chlordane (1C)	0.0000013	U	0.0000013	0.0000009	mg/L		06/17/26 00:12	06/17/26 13:24	1
				1					
Chlordane (technical) (1C)	0.000012	U	0.000012	0.0000071	mg/L		06/17/26 00:12	06/17/26 13:24	1
4,4'-DDD (1C)	0.0000013	U	0.0000013	0.0000005	mg/L		06/17/26 00:12	06/17/26 13:24	1
				2					
4,4'-DDE (1C)	0.0000013	U	0.0000013	0.0000007	mg/L		06/17/26 00:12	06/17/26 13:24	1
				0					
4,4'-DDT (1C)	0.0000013	U	0.0000013	0.0000006	mg/L		06/17/26 00:12	06/17/26 13:24	1
				8					
Dieldrin (1C)	0.0000013	U	0.0000013	0.0000002	mg/L		06/17/26 00:12	06/17/26 13:24	1
				7					
Endosulfan I (1C)	0.0000013	U	0.0000013	0.0000006	mg/L		06/17/26 00:12	06/17/26 13:24	1
				7					
Endosulfan II (1C)	0.0000013	U	0.0000013	0.0000009	mg/L		06/17/26 00:12	06/17/26 13:24	1
				2					
Endosulfan sulfate (1C)	0.0000013	U	0.0000013	0.0000006	mg/L		06/17/26 00:12	06/17/26 13:24	1
				3					
Endrin (1C)	0.0000013	U	0.0000013	0.0000002	mg/L		06/17/26 00:12	06/17/26 13:24	1
				2					
Endrin aldehyde (1C)	0.0000013	U	0.0000013	0.0000005	mg/L		06/17/26 00:12	06/17/26 13:24	1
				1					
Endrin ketone (1C)	0.0000013	U	0.0000013	0.0000009	mg/L		06/17/26 00:12	06/17/26 13:24	1
				7					
Heptachlor (1C)	0.0000013	U	0.0000013	0.0000004	mg/L		06/17/26 00:12	06/17/26 13:24	1
				4					
Heptachlor epoxide (1C)	0.0000013	U	0.0000013	0.0000003	mg/L		06/17/26 00:12	06/17/26 13:24	1
				3					
Methoxychlor (1C)	0.0000013	U	0.0000013	0.0000007	mg/L		06/17/26 00:12	06/17/26 13:24	1
				6					
Mirex (1C)	0.0000013	U	0.0000013	0.0000004	mg/L		06/17/26 00:12	06/17/26 13:24	1
				6					
Toxaphene (1C)	0.000098	U	0.000098	0.000048	mg/L		06/17/26 00:12	06/17/26 13:24	1
Endosulfan, Total (1C)	0.0000025	U	0.0000025	0.0000009	mg/L		06/17/26 00:12	06/17/26 13:24	1
				8					

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr) (1C)	88		11 - 150	06/17/26 00:12	06/17/26 13:24	1
Tetrachloro-m-xylene (Surr) (2C)	92		11 - 150	06/17/26 00:12	06/17/26 13:24	1
DCB Decachlorobiphenyl (Surr) (1C)	82		17 - 142	06/17/26 00:12	06/17/26 13:24	1
DCB Decachlorobiphenyl (Surr) (2C)	81		17 - 142	06/17/26 00:12	06/17/26 13:24	1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	0.0000098	U	0.0000098	0.0000047	mg/L		06/17/26 00:12	06/17/26 14:14	1
PCB-1221 (1C)	0.0000098	U	0.0000098	0.0000056	mg/L		06/17/26 00:12	06/17/26 14:14	1
PCB-1232 (1C)	0.0000098	U	0.0000098	0.0000051	mg/L		06/17/26 00:12	06/17/26 14:14	1
PCB-1242 (1C)	0.0000098	U	0.0000098	0.0000035	mg/L		06/17/26 00:12	06/17/26 14:14	1
PCB-1248 (1C)	0.0000098	U	0.0000098	0.0000079	mg/L		06/17/26 00:12	06/17/26 14:14	1
PCB-1254 (1C)	0.0000098	U	0.0000098	0.0000045	mg/L		06/17/26 00:12	06/17/26 14:14	1
PCB-1260 (1C)	0.0000098	U	0.0000098	0.0000038	mg/L		06/17/26 00:12	06/17/26 14:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	80		23 - 133	06/17/26 00:12	06/17/26 14:14	1
DCB Decachlorobiphenyl (Surr) (2C)	82		23 - 133	06/17/26 00:12	06/17/26 14:14	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Client Sample ID: FIELD BLANK

Lab Sample ID: 630-138117-2

Date Collected: 06/11/26 08:41

Matrix: Water

Date Received: 06/11/26 08:46

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr) (1C)	81		20 - 133	06/17/26 00:12	06/17/26 14:14	1
Tetrachloro-m-xylene (Surr) (2C)	80		20 - 133	06/17/26 00:12	06/17/26 14:14	1

Method: TAL SOP PCB - Total PCB Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.0000098	U	0.0000098	0.0000079	mg/L			06/17/26 14:14	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.025	U	0.025	0.012	mg/L		06/19/26 09:40	06/19/26 16:51	1
Antimony	0.0010	U	0.0010	0.00020	mg/L		06/19/26 09:40	06/19/26 16:51	1
Arsenic	0.0020	U	0.0020	0.00068	mg/L		06/19/26 09:40	06/19/26 16:51	1
Barium	0.0020	U	0.0020	0.00075	mg/L		06/19/26 09:40	06/19/26 16:51	1
Beryllium	0.00050	U	0.00050	0.00012	mg/L		06/19/26 09:40	06/19/26 16:51	1
Cadmium	0.00050	U	0.00050	0.00015	mg/L		06/19/26 09:40	06/19/26 16:51	1
Calcium	0.11		0.10	0.050	mg/L		06/19/26 09:40	06/19/26 16:51	1
Chromium	0.0020	U	0.0020	0.00055	mg/L		06/19/26 09:40	06/19/26 16:51	1
Cobalt	0.00050	U	0.00050	0.00016	mg/L		06/19/26 09:40	06/19/26 16:51	1
Copper	0.0010	U	0.0010	0.00085	mg/L		06/19/26 09:40	06/19/26 16:51	1
Iron	0.050	U	0.050	0.020	mg/L		06/19/26 09:40	06/19/26 16:51	1
Lead	0.00050	U	0.00050	0.00012	mg/L		06/19/26 09:40	06/19/26 16:51	1
Magnesium	0.019	J	0.050	0.016	mg/L		06/19/26 09:40	06/19/26 16:51	1
Manganese	0.0020	U	0.0020	0.0012	mg/L		06/19/26 09:40	06/19/26 16:51	1
Nickel	0.0010	U	0.0010	0.00040	mg/L		06/19/26 09:40	06/19/26 16:51	1
Potassium	0.20	U	0.20	0.065	mg/L		06/19/26 09:40	06/19/26 16:51	1
Selenium	0.0010	U	0.0010	0.00028	mg/L		06/19/26 09:40	06/19/26 16:51	1
Silver	0.00050	U	0.00050	0.00010	mg/L		06/19/26 09:40	06/19/26 16:51	1
Sodium	0.27		0.20	0.090	mg/L		06/19/26 09:40	06/19/26 16:51	1
Thallium	0.00050	U	0.00050	0.00013	mg/L		06/19/26 09:40	06/19/26 16:51	1
Zinc	0.0048	J	0.010	0.0040	mg/L		06/19/26 09:40	06/19/26 16:51	1
Vanadium	0.0040	U	0.0040	0.00079	mg/L		06/19/26 09:40	06/19/26 16:51	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000087	mg/L		06/19/26 15:44	06/19/26 23:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 EPA 9014)	0.010	U	0.010	0.0080	mg/L		06/18/26 12:44	06/18/26 16:31	1

Surrogate Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (27-105)	2FP (16-111)	TBP (18-128)	NBZ (22-113)	PHL (27-105)	TPHL (24-128)
630-138117-1	SITE WATER	88	88	104	89	93	101
630-138117-2	FIELD BLANK	89	92	110	94	101	108
LCS 180-515101/2-A	Lab Control Sample	71	82	83	76	81	71
LCSD 180-515101/3-A	Lab Control Sample Dup	77	85	87	82	85	74
MB 180-515101/1-A	Method Blank	59	68	62	61	66	63

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: EPA 8081B LL - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (11-150)	TCX2 (11-150)	DCB1 (17-142)	DCB2 (17-142)
630-138117-1	SITE WATER	84	97	76	80
630-138117-2	FIELD BLANK	88	92	82	81
LCS 180-515107/4-A	Lab Control Sample	89	95	82	80
LCSD 180-515107/5-A	Lab Control Sample Dup	91	94	85	85
MB 180-515107/1-A	Method Blank	88	90	77	78

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)
DCB = DCB Decachlorobiphenyl (Surr)

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCB1 (23-133)	DCB2 (23-133)	TCX1 (20-133)	TCX2 (20-133)
630-138117-1	SITE WATER	79	80	71	76
630-138117-2	FIELD BLANK	80	82	81	80
LCS 180-515107/2-A	Lab Control Sample	88	90	79	83
LCSD 180-515107/3-A	Lab Control Sample Dup	86	87	82	85
MB 180-515107/1-A	Method Blank	104	98	83	85

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-515101/1-A

Matrix: Water

Analysis Batch: 515161

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 515101

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1'-Biphenyl	0.0010	U	0.0010	0.00014	mg/L		06/16/26 20:19	06/18/26 11:57	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00021	mg/L		06/16/26 20:19	06/18/26 11:57	1
1,2,4,5-Tetrachlorobenzene	0.0010	U	0.0010	0.00015	mg/L		06/16/26 20:19	06/18/26 11:57	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00022	mg/L		06/16/26 20:19	06/18/26 11:57	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00024	mg/L		06/16/26 20:19	06/18/26 11:57	1
1,4-Dioxane	0.0020	U	0.0020	0.00063	mg/L		06/16/26 20:19	06/18/26 11:57	1
1,2-Diphenylhydrazine(as Azobenzene)	0.0010	U	0.0010	0.00020	mg/L		06/16/26 20:19	06/18/26 11:57	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00024	mg/L		06/16/26 20:19	06/18/26 11:57	1
2-Chloronaphthalene	0.00019	U	0.00019	0.000059	mg/L		06/16/26 20:19	06/18/26 11:57	1
2-Chlorophenol	0.0010	U	0.0010	0.00023	mg/L		06/16/26 20:19	06/18/26 11:57	1
2,3,4,6-Tetrachlorophenol	0.0010	U	0.0010	0.00033	mg/L		06/16/26 20:19	06/18/26 11:57	1
2,4-Dichlorophenol	0.00019	U	0.00019	0.000051	mg/L		06/16/26 20:19	06/18/26 11:57	1
2,4-Dimethylphenol	0.0010	U	0.0010	0.00059	mg/L		06/16/26 20:19	06/18/26 11:57	1
2,4-Dinitrophenol	0.010	U	0.010	0.0033	mg/L		06/16/26 20:19	06/18/26 11:57	1
2,4-Dinitrotoluene	0.0010	U	0.0010	0.00035	mg/L		06/16/26 20:19	06/18/26 11:57	1
2,6-Dinitrotoluene	0.0010	U	0.0010	0.00017	mg/L		06/16/26 20:19	06/18/26 11:57	1
2-Methylnaphthalene	0.00019	U	0.00019	0.000062	mg/L		06/16/26 20:19	06/18/26 11:57	1
2-Methylphenol	0.0010	U	0.0010	0.00056	mg/L		06/16/26 20:19	06/18/26 11:57	1
Methylphenol, 3 & 4	0.0010	U	0.0010	0.00037	mg/L		06/16/26 20:19	06/18/26 11:57	1
2-Nitroaniline	0.0050	U	0.0050	0.00055	mg/L		06/16/26 20:19	06/18/26 11:57	1
3-Nitroaniline	0.0050	U	0.0050	0.00044	mg/L		06/16/26 20:19	06/18/26 11:57	1
4-Nitroaniline	0.0050	U	0.0050	0.00036	mg/L		06/16/26 20:19	06/18/26 11:57	1
2-Nitrophenol	0.0010	U	0.0010	0.00019	mg/L		06/16/26 20:19	06/18/26 11:57	1
4-Nitrophenol	0.0050	U	0.0050	0.00094	mg/L		06/16/26 20:19	06/18/26 11:57	1
2,2'-oxybis[1-chloropropane]	0.00019	U	0.00019	0.00012	mg/L		06/16/26 20:19	06/18/26 11:57	1
2,4,5-Trichlorophenol	0.0010	U	0.0010	0.00025	mg/L		06/16/26 20:19	06/18/26 11:57	1
2,4,6-Trichlorophenol	0.0010	U	0.0010	0.00022	mg/L		06/16/26 20:19	06/18/26 11:57	1
4-Chloro-3-methylphenol	0.0010	U	0.0010	0.00044	mg/L		06/16/26 20:19	06/18/26 11:57	1
4-Chlorophenyl phenyl ether	0.0010	U	0.0010	0.00022	mg/L		06/16/26 20:19	06/18/26 11:57	1
4,6-Dinitro-2-methylphenol	0.0050	U	0.0050	0.0015	mg/L		06/16/26 20:19	06/18/26 11:57	1
Cresols, Total	0.0020	U	0.0020	0.00077	mg/L		06/16/26 20:19	06/18/26 11:57	1
Acenaphthene	0.00019	U	0.00019	0.000065	mg/L		06/16/26 20:19	06/18/26 11:57	1
Acenaphthylene	0.00019	U	0.00019	0.000065	mg/L		06/16/26 20:19	06/18/26 11:57	1
Acetophenone	0.0010	U	0.0010	0.00016	mg/L		06/16/26 20:19	06/18/26 11:57	1
Aniline	0.0010	U	0.0010	0.00037	mg/L		06/16/26 20:19	06/18/26 11:57	1
Anthracene	0.00019	U	0.00019	0.000049	mg/L		06/16/26 20:19	06/18/26 11:57	1
Atrazine	0.0010	U	0.0010	0.00030	mg/L		06/16/26 20:19	06/18/26 11:57	1
Benzaldehyde	0.0010	U	0.0010	0.00054	mg/L		06/16/26 20:19	06/18/26 11:57	1
Benzidine	0.020	U	0.020	0.0091	mg/L		06/16/26 20:19	06/18/26 11:57	1
Benzo[a]anthracene	0.00019	U	0.00019	0.000075	mg/L		06/16/26 20:19	06/18/26 11:57	1
Benzo[b]fluoranthene	0.00019	U	0.00019	0.000097	mg/L		06/16/26 20:19	06/18/26 11:57	1
Benzo[k]fluoranthene	0.00019	U	0.00019	0.000088	mg/L		06/16/26 20:19	06/18/26 11:57	1
Benzoic acid	0.0050	U	0.0050	0.0025	mg/L		06/16/26 20:19	06/18/26 11:57	1
Benzo[g,h,i]perylene	0.00019	U	0.00019	0.000069	mg/L		06/16/26 20:19	06/18/26 11:57	1
Benzo[a]pyrene	0.00019	U	0.00019	0.00013	mg/L		06/16/26 20:19	06/18/26 11:57	1
Bis(2-chloroethoxy)methane	0.0010	U	0.0010	0.00015	mg/L		06/16/26 20:19	06/18/26 11:57	1
Bis(2-chloroethyl)ether	0.00019	U	0.00019	0.00014	mg/L		06/16/26 20:19	06/18/26 11:57	1
Bis(2-ethylhexyl) phthalate	0.010	U	0.010	0.0021	mg/L		06/16/26 20:19	06/18/26 11:57	1

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-515101/1-A

Matrix: Water

Analysis Batch: 515161

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 515101

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	0.0010	U	0.0010	0.00032	mg/L		06/16/26 20:19	06/18/26 11:57	1
Butyl benzyl phthalate	0.0020	U	0.0020	0.00094	mg/L		06/16/26 20:19	06/18/26 11:57	1
Caprolactam	0.0050	U	0.0050	0.00068	mg/L		06/16/26 20:19	06/18/26 11:57	1
Carbazole	0.00019	U	0.00019	0.000051	mg/L		06/16/26 20:19	06/18/26 11:57	1
4-Chloroaniline	0.0010	U	0.0010	0.00038	mg/L		06/16/26 20:19	06/18/26 11:57	1
Chrysene	0.00019	U	0.00019	0.000081	mg/L		06/16/26 20:19	06/18/26 11:57	1
Dibenz(a,h)anthracene	0.00019	U	0.00019	0.000072	mg/L		06/16/26 20:19	06/18/26 11:57	1
Dibenzofuran	0.0010	U	0.0010	0.00019	mg/L		06/16/26 20:19	06/18/26 11:57	1
Di-n-butyl phthalate	0.0010	U	0.0010	0.00038	mg/L		06/16/26 20:19	06/18/26 11:57	1
Di-n-octyl phthalate	0.0010	U	0.0010	0.00069	mg/L		06/16/26 20:19	06/18/26 11:57	1
Diethyl phthalate	0.0010	U	0.0010	0.00025	mg/L		06/16/26 20:19	06/18/26 11:57	1
Dimethyl phthalate	0.0020	U	0.0020	0.00020	mg/L		06/16/26 20:19	06/18/26 11:57	1
Fluoranthene	0.00019	U	0.00019	0.000060	mg/L		06/16/26 20:19	06/18/26 11:57	1
Fluorene	0.00019	U	0.00019	0.000069	mg/L		06/16/26 20:19	06/18/26 11:57	1
Hexachlorobenzene	0.00019	U	0.00019	0.000056	mg/L		06/16/26 20:19	06/18/26 11:57	1
Hexachlorobutadiene	0.00019	U	0.00019	0.00016	mg/L		06/16/26 20:19	06/18/26 11:57	1
Hexachlorocyclopentadiene	0.0010	U	0.0010	0.00050	mg/L		06/16/26 20:19	06/18/26 11:57	1
Hexachloroethane	0.0010	U	0.0010	0.00032	mg/L		06/16/26 20:19	06/18/26 11:57	1
Indeno[1,2,3-cd]pyrene	0.00019	U	0.00019	0.000085	mg/L		06/16/26 20:19	06/18/26 11:57	1
Isophorone	0.0010	U	0.0010	0.00019	mg/L		06/16/26 20:19	06/18/26 11:57	1
Naphthalene	0.00019	U	0.00019	0.000059	mg/L		06/16/26 20:19	06/18/26 11:57	1
Nitrobenzene	0.0020	U	0.0020	0.00050	mg/L		06/16/26 20:19	06/18/26 11:57	1
N-Nitrosodimethylamine	0.0010	U	0.0010	0.00026	mg/L		06/16/26 20:19	06/18/26 11:57	1
N-Nitrosodiphenylamine	0.0010	U	0.0010	0.00025	mg/L		06/16/26 20:19	06/18/26 11:57	1
N-Nitrosodi-n-propylamine	0.00019	U	0.00019	0.000071	mg/L		06/16/26 20:19	06/18/26 11:57	1
Pentachlorophenol	0.0050	U	0.0050	0.00085	mg/L		06/16/26 20:19	06/18/26 11:57	1
Phenanthrene	0.00019	U	0.00019	0.00016	mg/L		06/16/26 20:19	06/18/26 11:57	1
Phenol	0.0010	U	0.0010	0.00049	mg/L		06/16/26 20:19	06/18/26 11:57	1
Pyrene	0.00019	U	0.00019	0.00011	mg/L		06/16/26 20:19	06/18/26 11:57	1
Pyridine	0.0020	U	0.0020	0.0011	mg/L		06/16/26 20:19	06/18/26 11:57	1
Benzyl alcohol	0.0050	U	0.0050	0.0017	mg/L		06/16/26 20:19	06/18/26 11:57	1
3,3'-Dichlorobenzidine	0.0010	U	0.0010	0.00058	mg/L		06/16/26 20:19	06/18/26 11:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	59		27 - 105	06/16/26 20:19	06/18/26 11:57	1
2-Fluorophenol (Surr)	68		16 - 111	06/16/26 20:19	06/18/26 11:57	1
2,4,6-Tribromophenol (Surr)	62		18 - 128	06/16/26 20:19	06/18/26 11:57	1
Nitrobenzene-d5 (Surr)	61		22 - 113	06/16/26 20:19	06/18/26 11:57	1
Phenol-d5 (Surr)	66		27 - 105	06/16/26 20:19	06/18/26 11:57	1
Terphenyl-d14 (Surr)	63		24 - 128	06/16/26 20:19	06/18/26 11:57	1

Lab Sample ID: LCS 180-515101/2-A

Matrix: Water

Analysis Batch: 515161

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515101

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	0.0200	0.0135		mg/L		67	47 - 100
1,2-Dichlorobenzene	0.0200	0.0144		mg/L		72	51 - 100

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-515101/2-A

Matrix: Water

Analysis Batch: 515161

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515101

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4,5-Tetrachlorobenzene	0.0200	0.0143		mg/L		71	54 - 100
1,3-Dichlorobenzene	0.0200	0.0139		mg/L		69	51 - 100
1,4-Dichlorobenzene	0.0200	0.0143		mg/L		71	50 - 100
1,4-Dioxane	0.0200	0.0148		mg/L		74	39 - 111
1,2-Diphenylhydrazine(as Azobenzene)	0.0200	0.0145		mg/L		72	38 - 100
1,2,4-Trichlorobenzene	0.0200	0.0143		mg/L		72	51 - 100
2-Chloronaphthalene	0.0200	0.0141		mg/L		70	45 - 100
2-Chlorophenol	0.0200	0.0147		mg/L		73	53 - 100
2,3,4,6-Tetrachlorophenol	0.0200	0.0149		mg/L		74	54 - 100
2,4-Dichlorophenol	0.0200	0.0149		mg/L		75	55 - 100
2,4-Dimethylphenol	0.0200	0.0148		mg/L		74	51 - 100
2,4-Dinitrophenol	0.0400	0.0277		mg/L		69	32 - 111
2,4-Dinitrotoluene	0.0200	0.0145		mg/L		73	52 - 100
2,6-Dinitrotoluene	0.0200	0.0146		mg/L		73	49 - 101
2-Methylnaphthalene	0.0200	0.0135		mg/L		67	48 - 100
2-Methylphenol	0.0200	0.0155		mg/L		78	51 - 100
Methylphenol, 3 & 4	0.0200	0.0155		mg/L		78	51 - 100
2-Nitroaniline	0.0200	0.0132		mg/L		66	47 - 104
3-Nitroaniline	0.0200	0.0140		mg/L		70	49 - 100
4-Nitroaniline	0.0200	0.0153		mg/L		77	47 - 100
2-Nitrophenol	0.0200	0.0154		mg/L		77	56 - 100
4-Nitrophenol	0.0400	0.0261		mg/L		65	43 - 113
2,2'-oxybis[1-chloropropane]	0.0200	0.0130		mg/L		65	33 - 102
2,4,5-Trichlorophenol	0.0200	0.0155		mg/L		78	55 - 100
2,4,6-Trichlorophenol	0.0200	0.0154		mg/L		77	54 - 100
4-Chloro-3-methylphenol	0.0200	0.0144		mg/L		72	53 - 100
4-Chlorophenyl phenyl ether	0.0200	0.0144		mg/L		72	48 - 100
4,6-Dinitro-2-methylphenol	0.0400	0.0331		mg/L		83	48 - 100
Cresols, Total	0.0400	0.0310		mg/L		78	42 - 100
Acenaphthene	0.0200	0.0133		mg/L		67	51 - 100
Acenaphthylene	0.0200	0.0137		mg/L		69	50 - 100
Acetophenone	0.0200	0.0150		mg/L		75	46 - 100
Aniline	0.0200	0.0148		mg/L		74	42 - 100
Anthracene	0.0200	0.0135		mg/L		68	49 - 100
Atrazine	0.0200	0.0156		mg/L		78	54 - 100
Benzaldehyde	0.0200	0.0126		mg/L		63	15 - 100
Benzidine	0.0200	0.0103	J	mg/L		52	31 - 115
Benzo[a]anthracene	0.0200	0.0135		mg/L		67	52 - 100
Benzo[b]fluoranthene	0.0200	0.0123		mg/L		62	50 - 100
Benzo[k]fluoranthene	0.0200	0.0132		mg/L		66	42 - 100
Benzoic acid	0.0200	0.0136		mg/L		68	43 - 114
Benzo[g,h,i]perylene	0.0200	0.0135		mg/L		67	45 - 100
Benzo[a]pyrene	0.0200	0.0124		mg/L		62	47 - 100
Bis(2-chloroethoxy)methane	0.0200	0.0123		mg/L		61	36 - 100
Bis(2-chloroethyl)ether	0.0200	0.0155		mg/L		77	42 - 100
Bis(2-ethylhexyl) phthalate	0.0200	0.0128		mg/L		64	42 - 108
4-Bromophenyl phenyl ether	0.0200	0.0156		mg/L		78	50 - 100
Butyl benzyl phthalate	0.0200	0.0128		mg/L		64	44 - 106

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-515101/2-A

Matrix: Water

Analysis Batch: 515161

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515101

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Caprolactam	0.0200	0.0151		mg/L		76	46 - 105
Carbazole	0.0200	0.0140		mg/L		70	47 - 100
4-Chloroaniline	0.0200	0.0140		mg/L		70	48 - 100
Chrysene	0.0200	0.0129		mg/L		64	44 - 100
Dibenz(a,h)anthracene	0.0200	0.0154		mg/L		77	52 - 101
Dibenzofuran	0.0200	0.0136		mg/L		68	47 - 100
Di-n-butyl phthalate	0.0200	0.0141		mg/L		70	50 - 100
Di-n-octyl phthalate	0.0200	0.00884		mg/L		44	21 - 130
Diethyl phthalate	0.0200	0.0133		mg/L		66	52 - 100
Dimethyl phthalate	0.0200	0.0140		mg/L		70	51 - 100
Fluoranthene	0.0200	0.0144		mg/L		72	50 - 100
Fluorene	0.0200	0.0137		mg/L		69	49 - 100
Hexachlorobenzene	0.0200	0.0154		mg/L		77	46 - 100
Hexachlorobutadiene	0.0200	0.0139		mg/L		70	46 - 101
Hexachlorocyclopentadiene	0.0200	0.0132		mg/L		66	24 - 113
Hexachloroethane	0.0200	0.0146		mg/L		73	46 - 100
Indeno[1,2,3-cd]pyrene	0.0200	0.0144		mg/L		72	48 - 100
Isophorone	0.0200	0.0151		mg/L		76	42 - 100
Naphthalene	0.0200	0.0132		mg/L		66	53 - 100
Nitrobenzene	0.0200	0.0152		mg/L		76	47 - 100
N-Nitrosodimethylamine	0.0200	0.0179		mg/L		90	44 - 123
N-Nitrosodiphenylamine	0.0200	0.0143		mg/L		72	48 - 100
N-Nitrosodi-n-propylamine	0.0200	0.0153		mg/L		77	47 - 103
Pentachlorophenol	0.0400	0.0300		mg/L		75	42 - 102
Phenanthrene	0.0200	0.0133		mg/L		66	47 - 100
Phenol	0.0200	0.0153		mg/L		77	41 - 100
Pyrene	0.0200	0.0128		mg/L		64	46 - 100
Pyridine	0.0400	0.0329		mg/L		82	24 - 127
Benzyl alcohol	0.0200	0.0163		mg/L		81	33 - 107
3,3'-Dichlorobenzidine	0.0200	0.0138		mg/L		69	42 - 100

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	71		27 - 105
2-Fluorophenol (Surr)	82		16 - 111
2,4,6-Tribromophenol (Surr)	83		18 - 128
Nitrobenzene-d5 (Surr)	76		22 - 113
Phenol-d5 (Surr)	81		27 - 105
Terphenyl-d14 (Surr)	71		24 - 128

Lab Sample ID: LCSD 180-515101/3-A

Matrix: Water

Analysis Batch: 515161

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 515101

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	0.0200	0.0146		mg/L		73	47 - 100	8	16
1,2-Dichlorobenzene	0.0200	0.0148		mg/L		74	51 - 100	3	16
1,2,4,5-Tetrachlorobenzene	0.0200	0.0151		mg/L		75	54 - 100	6	16
1,3-Dichlorobenzene	0.0200	0.0147		mg/L		74	51 - 100	6	15

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-515101/3-A

Matrix: Water

Analysis Batch: 515161

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 515101

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	Limit
	Added	Result	Qualifier				Limits		
1,4-Dichlorobenzene	0.0200	0.0151		mg/L		76	50 - 100	6	15
1,4-Dioxane	0.0200	0.0156		mg/L		78	39 - 111	5	15
1,2-Diphenylhydrazine(as Azobenzene)	0.0200	0.0152		mg/L		76	38 - 100	5	15
1,2,4-Trichlorobenzene	0.0200	0.0150		mg/L		75	51 - 100	5	15
2-Chloronaphthalene	0.0200	0.0150		mg/L		75	45 - 100	6	15
2-Chlorophenol	0.0200	0.0155		mg/L		78	53 - 100	6	17
2,3,4,6-Tetrachlorophenol	0.0200	0.0158		mg/L		79	54 - 100	6	21
2,4-Dichlorophenol	0.0200	0.0155		mg/L		77	55 - 100	3	15
2,4-Dimethylphenol	0.0200	0.0154		mg/L		77	51 - 100	4	16
2,4-Dinitrophenol	0.0400	0.0312		mg/L		78	32 - 111	12	16
2,4-Dinitrotoluene	0.0200	0.0160		mg/L		80	52 - 100	10	16
2,6-Dinitrotoluene	0.0200	0.0155		mg/L		78	49 - 101	6	16
2-Methylnaphthalene	0.0200	0.0140		mg/L		70	48 - 100	4	15
2-Methylphenol	0.0200	0.0163		mg/L		82	51 - 100	5	16
Methylphenol, 3 & 4	0.0200	0.0160		mg/L		80	51 - 100	3	15
2-Nitroaniline	0.0200	0.0141		mg/L		71	47 - 104	6	15
3-Nitroaniline	0.0200	0.0157		mg/L		79	49 - 100	12	15
4-Nitroaniline	0.0200	0.0175		mg/L		87	47 - 100	13	16
2-Nitrophenol	0.0200	0.0166		mg/L		83	56 - 100	8	15
4-Nitrophenol	0.0400	0.0287		mg/L		72	43 - 113	9	15
2,2'-oxybis[1-chloropropane]	0.0200	0.0136		mg/L		68	33 - 102	5	16
2,4,5-Trichlorophenol	0.0200	0.0171		mg/L		86	55 - 100	10	15
2,4,6-Trichlorophenol	0.0200	0.0171		mg/L		86	54 - 100	10	16
4-Chloro-3-methylphenol	0.0200	0.0147		mg/L		73	53 - 100	2	15
4-Chlorophenyl phenyl ether	0.0200	0.0155		mg/L		77	48 - 100	7	16
4,6-Dinitro-2-methylphenol	0.0400	0.0346		mg/L		86	48 - 100	4	15
Cresols, Total	0.0400	0.0324		mg/L		81	42 - 100	4	17
Acenaphthene	0.0200	0.0144		mg/L		72	51 - 100	8	15
Acenaphthylene	0.0200	0.0145		mg/L		73	50 - 100	6	16
Acetophenone	0.0200	0.0156		mg/L		78	46 - 100	3	16
Aniline	0.0200	0.0158		mg/L		79	42 - 100	7	17
Anthracene	0.0200	0.0141		mg/L		71	49 - 100	4	15
Atrazine	0.0200	0.0162		mg/L		81	54 - 100	4	15
Benzaldehyde	0.0200	0.0127		mg/L		63	15 - 100	1	16
Benzidine	0.0200	0.0105	J	mg/L		52	31 - 115	1	35
Benzo[a]anthracene	0.0200	0.0140		mg/L		70	52 - 100	4	15
Benzo[b]fluoranthene	0.0200	0.0134		mg/L		67	50 - 100	8	20
Benzo[k]fluoranthene	0.0200	0.0140		mg/L		70	42 - 100	6	16
Benzoic acid	0.0200	0.0143		mg/L		71	43 - 114	5	21
Benzo[g,h,i]perylene	0.0200	0.0147		mg/L		73	45 - 100	9	18
Benzo[a]pyrene	0.0200	0.0135		mg/L		67	47 - 100	9	19
Bis(2-chloroethoxy)methane	0.0200	0.0131		mg/L		66	36 - 100	7	15
Bis(2-chloroethyl)ether	0.0200	0.0162		mg/L		81	42 - 100	5	15
Bis(2-ethylhexyl) phthalate	0.0200	0.0135		mg/L		67	42 - 108	5	15
4-Bromophenyl phenyl ether	0.0200	0.0167		mg/L		83	50 - 100	6	15
Butyl benzyl phthalate	0.0200	0.0132		mg/L		66	44 - 106	3	15
Caprolactam	0.0200	0.0159		mg/L		79	46 - 105	5	16
Carbazole	0.0200	0.0149		mg/L		74	47 - 100	6	16

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-515101/3-A

Matrix: Water

Analysis Batch: 515161

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 515101

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Chloroaniline	0.0200	0.0150		mg/L		75	48 - 100	7	15
Chrysene	0.0200	0.0139		mg/L		69	44 - 100	7	15
Dibenz(a,h)anthracene	0.0200	0.0166		mg/L		83	52 - 101	7	19
Dibenzofuran	0.0200	0.0144		mg/L		72	47 - 100	6	16
Di-n-butyl phthalate	0.0200	0.0149		mg/L		74	50 - 100	6	15
Di-n-octyl phthalate	0.0200	0.00947		mg/L		47	21 - 130	7	22
Diethyl phthalate	0.0200	0.0141		mg/L		71	52 - 100	6	15
Dimethyl phthalate	0.0200	0.0149		mg/L		75	51 - 100	6	15
Fluoranthene	0.0200	0.0153		mg/L		77	50 - 100	7	15
Fluorene	0.0200	0.0146		mg/L		73	49 - 100	6	15
Hexachlorobenzene	0.0200	0.0164		mg/L		82	46 - 100	7	15
Hexachlorobutadiene	0.0200	0.0146		mg/L		73	46 - 101	5	15
Hexachlorocyclopentadiene	0.0200	0.0139		mg/L		70	24 - 113	5	16
Hexachloroethane	0.0200	0.0152		mg/L		76	46 - 100	4	16
Indeno[1,2,3-cd]pyrene	0.0200	0.0156		mg/L		78	48 - 100	8	18
Isophorone	0.0200	0.0160		mg/L		80	42 - 100	6	15
Naphthalene	0.0200	0.0138		mg/L		69	53 - 100	5	15
Nitrobenzene	0.0200	0.0158		mg/L		79	47 - 100	3	16
N-Nitrosodimethylamine	0.0200	0.0190		mg/L		95	44 - 123	6	16
N-Nitrosodiphenylamine	0.0200	0.0153		mg/L		76	48 - 100	7	16
N-Nitrosodi-n-propylamine	0.0200	0.0162		mg/L		81	47 - 103	6	16
Pentachlorophenol	0.0400	0.0327		mg/L		82	42 - 102	9	20
Phenanthrene	0.0200	0.0141		mg/L		70	47 - 100	6	15
Phenol	0.0200	0.0159		mg/L		80	41 - 100	4	35
Pyrene	0.0200	0.0136		mg/L		68	46 - 100	6	18
Pyridine	0.0400	0.0346		mg/L		87	24 - 127	5	35
Benzyl alcohol	0.0200	0.0170		mg/L		85	33 - 107	4	35
3,3'-Dichlorobenzidine	0.0200	0.0146		mg/L		73	42 - 100	5	15

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
2-Fluorobiphenyl (Surr)	77		27 - 105
2-Fluorophenol (Surr)	85		16 - 111
2,4,6-Tribromophenol (Surr)	87		18 - 128
Nitrobenzene-d5 (Surr)	82		22 - 113
Phenol-d5 (Surr)	85		27 - 105
Terphenyl-d14 (Surr)	74		24 - 128

Method: EPA 8081B LL - Organochlorine Pesticides (GC)

Lab Sample ID: MB 180-515107/1-A

Matrix: Water

Analysis Batch: 515112

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 515107

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	0.0000013	U	0.0000013	0.0000003	mg/L		06/17/26 00:12	06/17/26 12:12	1
				6					
alpha-BHC (1C)	0.0000013	U	0.0000013	0.0000002	mg/L		06/17/26 00:12	06/17/26 12:12	1
				4					

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Method: EPA 8081B LL - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 180-515107/1-A

Matrix: Water

Analysis Batch: 515112

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 515107

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC (1C)	0.0000013	U	0.0000013	0.0000003	mg/L		06/17/26 00:12	06/17/26 12:12	1
				7					
delta-BHC (1C)	0.0000013	U	0.0000013	0.0000006	mg/L		06/17/26 00:12	06/17/26 12:12	1
				4					
gamma-BHC (Lindane) (1C)	0.0000013	U	0.0000013	0.0000002	mg/L		06/17/26 00:12	06/17/26 12:12	1
				9					
cis-Chlordane (1C)	0.0000013	U	0.0000013	0.0000003	mg/L		06/17/26 00:12	06/17/26 12:12	1
				7					
trans-Chlordane (1C)	0.0000013	U	0.0000013	0.0000009	mg/L		06/17/26 00:12	06/17/26 12:12	1
				3					
Chlordane (technical) (1C)	0.0000013	U	0.0000013	0.0000073	mg/L		06/17/26 00:12	06/17/26 12:12	1
4,4'-DDD (1C)	0.0000013	U	0.0000013	0.0000005	mg/L		06/17/26 00:12	06/17/26 12:12	1
				3					
4,4'-DDE (1C)	0.0000013	U	0.0000013	0.0000007	mg/L		06/17/26 00:12	06/17/26 12:12	1
				2					
4,4'-DDT (1C)	0.0000013	U	0.0000013	0.0000006	mg/L		06/17/26 00:12	06/17/26 12:12	1
				9					
Dieldrin (1C)	0.0000013	U	0.0000013	0.0000002	mg/L		06/17/26 00:12	06/17/26 12:12	1
				7					
Endosulfan I (1C)	0.0000013	U	0.0000013	0.0000006	mg/L		06/17/26 00:12	06/17/26 12:12	1
				9					
Endosulfan II (1C)	0.0000013	U	0.0000013	0.0000009	mg/L		06/17/26 00:12	06/17/26 12:12	1
				4					
Endosulfan sulfate (1C)	0.0000013	U	0.0000013	0.0000006	mg/L		06/17/26 00:12	06/17/26 12:12	1
				4					
Endrin (1C)	0.0000013	U	0.0000013	0.0000002	mg/L		06/17/26 00:12	06/17/26 12:12	1
				3					
Endrin aldehyde (1C)	0.0000013	U	0.0000013	0.0000005	mg/L		06/17/26 00:12	06/17/26 12:12	1
				2					
Endrin ketone (1C)	0.0000013	U	0.0000013	0.0000009	mg/L		06/17/26 00:12	06/17/26 12:12	1
				9					
Heptachlor (1C)	0.0000013	U	0.0000013	0.0000004	mg/L		06/17/26 00:12	06/17/26 12:12	1
				5					
Heptachlor epoxide (1C)	0.0000013	U	0.0000013	0.0000003	mg/L		06/17/26 00:12	06/17/26 12:12	1
				4					
Methoxychlor (1C)	0.0000013	U	0.0000013	0.0000007	mg/L		06/17/26 00:12	06/17/26 12:12	1
				8					
Mirex (1C)	0.0000013	U	0.0000013	0.0000004	mg/L		06/17/26 00:12	06/17/26 12:12	1
				7					
Toxaphene (1C)	0.00010	U	0.00010	0.000049	mg/L		06/17/26 00:12	06/17/26 12:12	1
Endosulfan, Total (1C)	0.0000026	U	0.0000026	0.0000010	mg/L		06/17/26 00:12	06/17/26 12:12	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr) (1C)	88		11 - 150				06/17/26 00:12	06/17/26 12:12	1
Tetrachloro-m-xylene (Surr) (2C)	90		11 - 150				06/17/26 00:12	06/17/26 12:12	1
DCB Decachlorobiphenyl (Surr) (1C)	77		17 - 142				06/17/26 00:12	06/17/26 12:12	1
DCB Decachlorobiphenyl (Surr) (2C)	78		17 - 142				06/17/26 00:12	06/17/26 12:12	1

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Method: EPA 8081B LL - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 180-515107/4-A

Matrix: Water

Analysis Batch: 515112

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515107

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin (2C)	0.0000250	0.0000258		mg/L		103	55 - 119
alpha-BHC (2C)	0.0000250	0.0000250		mg/L		100	56 - 123
beta-BHC (1C)	0.0000250	0.0000261		mg/L		104	49 - 116
delta-BHC (2C)	0.0000250	0.0000161		mg/L		64	44 - 110
gamma-BHC (Lindane) (2C)	0.0000250	0.0000267		mg/L		107	55 - 122
cis-Chlordane (2C)	0.0000250	0.0000255		mg/L		102	55 - 125
trans-Chlordane (2C)	0.0000250	0.0000273		mg/L		109	57 - 127
4,4'-DDD (1C)	0.0000250	0.0000272		mg/L		109	50 - 113
4,4'-DDE (1C)	0.0000250	0.0000246		mg/L		98	52 - 108
4,4'-DDT (2C)	0.0000250	0.0000269		mg/L		108	40 - 124
Dieldrin (1C)	0.0000250	0.0000237		mg/L		95	57 - 122
Endosulfan I (1C)	0.0000250	0.0000260		mg/L		104	46 - 142
Endosulfan II (2C)	0.0000250	0.0000242		mg/L		97	52 - 121
Endosulfan sulfate (2C)	0.0000250	0.0000224		mg/L		90	37 - 124
Endrin (1C)	0.0000250	0.0000250		mg/L		100	58 - 124
Endrin aldehyde (1C)	0.0000250	0.0000252		mg/L		101	42 - 125
Endrin ketone (2C)	0.0000250	0.0000274		mg/L		110	46 - 128
Heptachlor (2C)	0.0000250	0.0000313		mg/L		125	53 - 131
Heptachlor epoxide (2C)	0.0000250	0.0000267		mg/L		107	58 - 125
Methoxychlor (1C)	0.0000250	0.0000291		mg/L		116	33 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene (Surr) (1C)	89		11 - 150
Tetrachloro-m-xylene (Surr) (2C)	95		11 - 150
DCB Decachlorobiphenyl (Surr) (1C)	82		17 - 142
DCB Decachlorobiphenyl (Surr) (2C)	80		17 - 142

Lab Sample ID: LCSD 180-515107/5-A

Matrix: Water

Analysis Batch: 515112

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 515107

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin (2C)	0.0000250	0.0000259		mg/L		104	55 - 119	0	16
alpha-BHC (2C)	0.0000250	0.0000246		mg/L		98	56 - 123	2	15
beta-BHC (2C)	0.0000250	0.0000255		mg/L		102	49 - 116	2	18
delta-BHC (2C)	0.0000250	0.0000160		mg/L		64	44 - 110	1	19
gamma-BHC (Lindane) (2C)	0.0000250	0.0000269		mg/L		107	55 - 122	0	15
cis-Chlordane (2C)	0.0000250	0.0000258		mg/L		103	55 - 125	1	17
trans-Chlordane (2C)	0.0000250	0.0000274		mg/L		109	57 - 127	0	17
4,4'-DDD (1C)	0.0000250	0.0000248		mg/L		99	50 - 113	9	19
4,4'-DDE (1C)	0.0000250	0.0000239		mg/L		96	52 - 108	3	16
4,4'-DDT (2C)	0.0000250	0.0000278		mg/L		111	40 - 124	3	19
Dieldrin (2C)	0.0000250	0.0000240		mg/L		96	57 - 122	1	30
Endosulfan I (1C)	0.0000250	0.0000263		mg/L		105	46 - 142	1	26
Endosulfan II (2C)	0.0000250	0.0000246		mg/L		99	52 - 121	2	17

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Method: EPA 8081B LL - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 180-515107/5-A

Matrix: Water

Analysis Batch: 515112

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 515107

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Endosulfan sulfate (2C)	0.0000250	0.0000229		mg/L		92	37 - 124	2	31
Endrin (1C)	0.0000250	0.0000248		mg/L		99	58 - 124	1	19
Endrin aldehyde (2C)	0.0000250	0.0000266		mg/L		107	42 - 125	6	29
Endrin ketone (2C)	0.0000250	0.0000286		mg/L		114	46 - 128	4	35
Heptachlor (2C)	0.0000250	0.0000307		mg/L		123	53 - 131	2	15
Heptachlor epoxide (2C)	0.0000250	0.0000268		mg/L		107	58 - 125	0	17
Methoxychlor (2C)	0.0000250	0.0000298		mg/L		119	33 - 132	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene (Surr) (1C)	91		11 - 150
Tetrachloro-m-xylene (Surr) (2C)	94		11 - 150
DCB Decachlorobiphenyl (Surr) (1C)	85		17 - 142
DCB Decachlorobiphenyl (Surr) (2C)	85		17 - 142

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 180-515107/1-A

Matrix: Water

Analysis Batch: 515118

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 515107

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	0.000010	U	0.000010	0.0000048	mg/L		06/17/26 00:12	06/17/26 13:04	1
PCB-1221 (1C)	0.000010	U	0.000010	0.0000057	mg/L		06/17/26 00:12	06/17/26 13:04	1
PCB-1232 (1C)	0.000010	U	0.000010	0.0000052	mg/L		06/17/26 00:12	06/17/26 13:04	1
PCB-1242 (1C)	0.000010	U	0.000010	0.0000036	mg/L		06/17/26 00:12	06/17/26 13:04	1
PCB-1248 (1C)	0.000010	U	0.000010	0.0000080	mg/L		06/17/26 00:12	06/17/26 13:04	1
PCB-1254 (1C)	0.000010	U	0.000010	0.0000046	mg/L		06/17/26 00:12	06/17/26 13:04	1
PCB-1260 (1C)	0.000010	U	0.000010	0.0000039	mg/L		06/17/26 00:12	06/17/26 13:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	104		23 - 133	06/17/26 00:12	06/17/26 13:04	1
DCB Decachlorobiphenyl (Surr) (2C)	98		23 - 133	06/17/26 00:12	06/17/26 13:04	1
Tetrachloro-m-xylene (Surr) (1C)	83		20 - 133	06/17/26 00:12	06/17/26 13:04	1
Tetrachloro-m-xylene (Surr) (2C)	85		20 - 133	06/17/26 00:12	06/17/26 13:04	1

Lab Sample ID: LCS 180-515107/2-A

Matrix: Water

Analysis Batch: 515118

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515107

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016 (2C)	0.00100	0.000715		mg/L		71	42 - 119
PCB-1260 (2C)	0.00100	0.000886		mg/L		89	47 - 107

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCS 180-515107/2-A

Matrix: Water

Analysis Batch: 515118

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515107

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr) (1C)	88		23 - 133
DCB Decachlorobiphenyl (Surr) (2C)	90		23 - 133
Tetrachloro-m-xylene (Surr) (1C)	79		20 - 133
Tetrachloro-m-xylene (Surr) (2C)	83		20 - 133

Lab Sample ID: LCSD 180-515107/3-A

Matrix: Water

Analysis Batch: 515118

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 515107

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
PCB-1016 (2C)	0.00100	0.000713		mg/L		71	42 - 119	0		23
PCB-1260 (2C)	0.00100	0.000875		mg/L		88	47 - 107	1		22

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr) (1C)	86		23 - 133
DCB Decachlorobiphenyl (Surr) (2C)	87		23 - 133
Tetrachloro-m-xylene (Surr) (1C)	82		20 - 133
Tetrachloro-m-xylene (Surr) (2C)	85		20 - 133

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-838281/1-A

Matrix: Water

Analysis Batch: 838706

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 838281

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	0.025	U	0.025	0.012	mg/L		06/19/26 09:40	06/19/26 16:34	1
Antimony	0.0010	U	0.0010	0.00020	mg/L		06/19/26 09:40	06/19/26 16:34	1
Arsenic	0.0020	U	0.0020	0.00068	mg/L		06/19/26 09:40	06/19/26 16:34	1
Barium	0.0020	U	0.0020	0.00075	mg/L		06/19/26 09:40	06/19/26 16:34	1
Beryllium	0.00050	U	0.00050	0.00012	mg/L		06/19/26 09:40	06/19/26 16:34	1
Cadmium	0.00050	U	0.00050	0.00015	mg/L		06/19/26 09:40	06/19/26 16:34	1
Calcium	0.10	U	0.10	0.050	mg/L		06/19/26 09:40	06/19/26 16:34	1
Chromium	0.0020	U	0.0020	0.00055	mg/L		06/19/26 09:40	06/19/26 16:34	1
Cobalt	0.00050	U	0.00050	0.00016	mg/L		06/19/26 09:40	06/19/26 16:34	1
Copper	0.0010	U	0.0010	0.00085	mg/L		06/19/26 09:40	06/19/26 16:34	1
Iron	0.050	U	0.050	0.020	mg/L		06/19/26 09:40	06/19/26 16:34	1
Lead	0.00050	U	0.00050	0.00012	mg/L		06/19/26 09:40	06/19/26 16:34	1
Magnesium	0.050	U	0.050	0.016	mg/L		06/19/26 09:40	06/19/26 16:34	1
Manganese	0.0020	U	0.0020	0.0012	mg/L		06/19/26 09:40	06/19/26 16:34	1
Nickel	0.0010	U	0.0010	0.00040	mg/L		06/19/26 09:40	06/19/26 16:34	1
Potassium	0.20	U	0.20	0.065	mg/L		06/19/26 09:40	06/19/26 16:34	1

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-838281/1-A

Matrix: Water

Analysis Batch: 838706

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 838281

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.0010	U	0.0010	0.00028	mg/L		06/19/26 09:40	06/19/26 16:34	1
Silver	0.00050	U	0.00050	0.00010	mg/L		06/19/26 09:40	06/19/26 16:34	1
Sodium	0.20	U	0.20	0.090	mg/L		06/19/26 09:40	06/19/26 16:34	1
Thallium	0.00050	U	0.00050	0.00013	mg/L		06/19/26 09:40	06/19/26 16:34	1
Zinc	0.010	U	0.010	0.0040	mg/L		06/19/26 09:40	06/19/26 16:34	1
Vanadium	0.0040	U	0.0040	0.00079	mg/L		06/19/26 09:40	06/19/26 16:34	1

Lab Sample ID: LCS 410-838281/2-A

Matrix: Water

Analysis Batch: 838706

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 838281

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	4.92		mg/L		98	83 - 114
Antimony	0.100	0.100		mg/L		100	85 - 115
Arsenic	0.500	0.504		mg/L		101	86 - 111
Barium	0.500	0.518		mg/L		104	86 - 114
Beryllium	0.0500	0.0496		mg/L		99	80 - 120
Cadmium	0.0500	0.0510		mg/L		102	86 - 114
Calcium	5.00	4.79		mg/L		96	84 - 113
Chromium	0.500	0.509		mg/L		102	84 - 113
Cobalt	0.500	0.499		mg/L		100	85 - 112
Copper	0.500	0.506		mg/L		101	86 - 111
Iron	5.00	5.09		mg/L		102	84 - 114
Lead	0.0500	0.0510		mg/L		102	86 - 114
Magnesium	5.00	4.94		mg/L		99	84 - 113
Manganese	0.500	0.506		mg/L		101	84 - 113
Nickel	0.500	0.504		mg/L		101	85 - 113
Potassium	5.00	4.90		mg/L		98	87 - 111
Selenium	0.100	0.102		mg/L		102	86 - 111
Silver	0.0500	0.0519		mg/L		104	88 - 116
Sodium	5.00	4.90		mg/L		98	84 - 114
Thallium	0.100	0.102		mg/L		102	86 - 113
Zinc	0.500	0.509		mg/L		102	86 - 112
Vanadium	0.500	0.504		mg/L		101	84 - 112

Lab Sample ID: MB 410-840583/1-A

Matrix: Water

Analysis Batch: 841319

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 840583

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.025	U	0.025	0.012	mg/L		06/24/26 07:20	06/24/26 16:29	1
Antimony	0.0010	U	0.0010	0.00020	mg/L		06/24/26 07:20	06/24/26 16:29	1
Arsenic	0.0020	U	0.0020	0.00068	mg/L		06/24/26 07:20	06/24/26 16:29	1
Barium	0.0020	U	0.0020	0.00075	mg/L		06/24/26 07:20	06/24/26 16:29	1
Beryllium	0.00050	U	0.00050	0.00012	mg/L		06/24/26 07:20	06/24/26 16:29	1
Cadmium	0.00050	U	0.00050	0.00015	mg/L		06/24/26 07:20	06/24/26 16:29	1
Calcium	0.10	U	0.10	0.050	mg/L		06/24/26 07:20	06/24/26 16:29	1
Chromium	0.0020	U	0.0020	0.00055	mg/L		06/24/26 07:20	06/24/26 16:29	1
Cobalt	0.00050	U	0.00050	0.00016	mg/L		06/24/26 07:20	06/24/26 16:29	1

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-840583/1-A

Matrix: Water

Analysis Batch: 841319

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 840583

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.0010	U	0.0010	0.00085	mg/L		06/24/26 07:20	06/24/26 16:29	1
Iron	0.050	U	0.050	0.020	mg/L		06/24/26 07:20	06/24/26 16:29	1
Lead	0.00050	U	0.00050	0.00012	mg/L		06/24/26 07:20	06/24/26 16:29	1
Magnesium	0.050	U	0.050	0.016	mg/L		06/24/26 07:20	06/24/26 16:29	1
Manganese	0.0020	U	0.0020	0.0012	mg/L		06/24/26 07:20	06/24/26 16:29	1
Nickel	0.0010	U	0.0010	0.00040	mg/L		06/24/26 07:20	06/24/26 16:29	1
Potassium	0.20	U	0.20	0.065	mg/L		06/24/26 07:20	06/24/26 16:29	1
Selenium	0.0010	U	0.0010	0.00028	mg/L		06/24/26 07:20	06/24/26 16:29	1
Silver	0.00050	U	0.00050	0.00010	mg/L		06/24/26 07:20	06/24/26 16:29	1
Sodium	0.20	U	0.20	0.090	mg/L		06/24/26 07:20	06/24/26 16:29	1
Thallium	0.00050	U	0.00050	0.00013	mg/L		06/24/26 07:20	06/24/26 16:29	1
Zinc	0.010	U	0.010	0.0040	mg/L		06/24/26 07:20	06/24/26 16:29	1
Vanadium	0.0040	U	0.0040	0.00079	mg/L		06/24/26 07:20	06/24/26 16:29	1

Lab Sample ID: LCS 410-840583/2-A

Matrix: Water

Analysis Batch: 841319

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 840583

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	5.28		mg/L		106	83 - 114
Antimony	0.100	0.110		mg/L		110	85 - 115
Arsenic	0.500	0.538		mg/L		108	86 - 111
Barium	0.500	0.531		mg/L		106	86 - 114
Beryllium	0.0500	0.0522		mg/L		104	80 - 120
Cadmium	0.0500	0.0538		mg/L		108	86 - 114
Calcium	5.00	5.26		mg/L		105	84 - 113
Chromium	0.500	0.542		mg/L		108	84 - 113
Cobalt	0.500	0.547		mg/L		109	85 - 112
Copper	0.500	0.526		mg/L		105	86 - 111
Iron	5.00	5.49		mg/L		110	84 - 114
Lead	0.0500	0.0546		mg/L		109	86 - 114
Magnesium	5.00	5.38		mg/L		108	84 - 113
Manganese	0.500	0.541		mg/L		108	84 - 113
Nickel	0.500	0.527		mg/L		105	85 - 113
Potassium	5.00	5.31		mg/L		106	87 - 111
Selenium	0.100	0.111		mg/L		111	86 - 111
Silver	0.0500	0.0550		mg/L		110	88 - 116
Sodium	5.00	5.33		mg/L		107	84 - 114
Thallium	0.100	0.101		mg/L		101	86 - 113
Zinc	0.500	0.538		mg/L		108	86 - 112
Vanadium	0.500	0.544		mg/L		109	84 - 112

QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 410-837799/14-A
Matrix: Water
Analysis Batch: 838823

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 837799

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000087	mg/L		06/19/26 15:44	06/19/26 22:05	1

Lab Sample ID: LCS 410-837799/15-A
Matrix: Water
Analysis Batch: 838823

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 837799

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00100	0.00111		mg/L		111	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-515181/4-A
Matrix: Water
Analysis Batch: 515208

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 515181

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0080	mg/L		06/18/26 12:44	06/18/26 16:16	1

Lab Sample ID: HLCS 180-515181/2-A
Matrix: Water
Analysis Batch: 515208

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 515181

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.261		mg/L		104	90 - 110

Lab Sample ID: LCS 180-515181/3-A
Matrix: Water
Analysis Batch: 515208

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 515181

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.200	0.192		mg/L		96	85 - 115

Lab Sample ID: LLCS 180-515181/1-A
Matrix: Water
Analysis Batch: 515208

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 515181

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0500	0.0508		mg/L		102	90 - 110

Lab Sample ID: 630-138117-1 MS
Matrix: Water
Analysis Batch: 515208

Client Sample ID: SITE WATER
Prep Type: Total/NA
Prep Batch: 515181

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.010	U	0.200	0.174		mg/L		87	75 - 125

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: 630-138117-1 MSD

Matrix: Water

Analysis Batch: 515208

Client Sample ID: SITE WATER

Prep Type: Total/NA

Prep Batch: 515181

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.010	U	0.200	0.177		mg/L		89	75 - 125	2	20

Lab Sample ID: 630-138117-2 MS

Matrix: Water

Analysis Batch: 515208

Client Sample ID: FIELD BLANK

Prep Type: Total/NA

Prep Batch: 515181

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.010	U	0.200	0.153		mg/L		76	75 - 125		

Lab Sample ID: 630-138117-2 MSD

Matrix: Water

Analysis Batch: 515208

Client Sample ID: FIELD BLANK

Prep Type: Total/NA

Prep Batch: 515181

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.010	U	0.200	0.156		mg/L		78	75 - 125	2	20

Lab Sample ID: 630-138117-1 DU

Matrix: Water

Analysis Batch: 515208

Client Sample ID: SITE WATER

Prep Type: Total/NA

Prep Batch: 515181

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cyanide, Total	0.010	U		0.010	U	mg/L				NC	20

Lab Sample ID: 630-138117-2 DU

Matrix: Water

Analysis Batch: 515208

Client Sample ID: FIELD BLANK

Prep Type: Total/NA

Prep Batch: 515181

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cyanide, Total	0.010	U		0.010	U	mg/L				NC	20

QC Association Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

GC/MS Semi VOA

Prep Batch: 515101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138117-1	SITE WATER	Total/NA	Water	3520C	515101
630-138117-2	FIELD BLANK	Total/NA	Water	3520C	
MB 180-515101/1-A	Method Blank	Total/NA	Water	3520C	
LCS 180-515101/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 180-515101/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 515161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138117-1	SITE WATER	Total/NA	Water	EPA 8270E LL	515101
630-138117-2	FIELD BLANK	Total/NA	Water	EPA 8270E LL	515101
MB 180-515101/1-A	Method Blank	Total/NA	Water	EPA 8270E LL	515101
LCS 180-515101/2-A	Lab Control Sample	Total/NA	Water	EPA 8270E LL	515101
LCSD 180-515101/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 8270E LL	515101

GC Semi VOA

Prep Batch: 515107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138117-1	SITE WATER	Total/NA	Water	3510C	515107
630-138117-2	FIELD BLANK	Total/NA	Water	3510C	
MB 180-515107/1-A	Method Blank	Total/NA	Water	3510C	
LCS 180-515107/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 180-515107/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 180-515107/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 180-515107/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 515112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138117-1	SITE WATER	Total/NA	Water	EPA 8081B LL	515107
630-138117-2	FIELD BLANK	Total/NA	Water	EPA 8081B LL	515107
MB 180-515107/1-A	Method Blank	Total/NA	Water	EPA 8081B LL	515107
LCS 180-515107/4-A	Lab Control Sample	Total/NA	Water	EPA 8081B LL	515107
LCSD 180-515107/5-A	Lab Control Sample Dup	Total/NA	Water	EPA 8081B LL	515107

Analysis Batch: 515118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138117-1	SITE WATER	Total/NA	Water	EPA 8082A	515107
630-138117-2	FIELD BLANK	Total/NA	Water	EPA 8082A	515107
MB 180-515107/1-A	Method Blank	Total/NA	Water	EPA 8082A	515107
LCS 180-515107/2-A	Lab Control Sample	Total/NA	Water	EPA 8082A	515107
LCSD 180-515107/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 8082A	515107

Analysis Batch: 515188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138117-1	SITE WATER	Total/NA	Water	PCB	515188
630-138117-2	FIELD BLANK	Total/NA	Water	PCB	

Metals

Prep Batch: 837799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138117-1	SITE WATER	Total/NA	Water	7470A	837799
630-138117-2	FIELD BLANK	Total/NA	Water	7470A	

EurofinsPhiladelphia

QC Association Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Metals (Continued)

Prep Batch: 837799 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138117-2	FIELD BLANK	Total/NA	Water	7470A	
MB 410-837799/14-A	Method Blank	Total/NA	Water	7470A	
LCS 410-837799/15-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 838281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138117-2	FIELD BLANK	Total Recoverable	Water	3005A	
MB 410-838281/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-838281/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 838706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138117-2	FIELD BLANK	Total Recoverable	Water	6020B	838281
MB 410-838281/1-A	Method Blank	Total Recoverable	Water	6020B	838281
LCS 410-838281/2-A	Lab Control Sample	Total Recoverable	Water	6020B	838281

Analysis Batch: 838823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138117-1	SITE WATER	Total/NA	Water	7470A	837799
630-138117-2	FIELD BLANK	Total/NA	Water	7470A	837799
MB 410-837799/14-A	Method Blank	Total/NA	Water	7470A	837799
LCS 410-837799/15-A	Lab Control Sample	Total/NA	Water	7470A	837799

Prep Batch: 840583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138117-1	SITE WATER	Total Recoverable	Water	3005A	
MB 410-840583/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-840583/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 841319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138117-1	SITE WATER	Total Recoverable	Water	6020B	840583
630-138117-1	SITE WATER	Total Recoverable	Water	6020B	840583
MB 410-840583/1-A	Method Blank	Total Recoverable	Water	6020B	840583
LCS 410-840583/2-A	Lab Control Sample	Total Recoverable	Water	6020B	840583

General Chemistry

Prep Batch: 515181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138117-1	SITE WATER	Total/NA	Water	9010C	
630-138117-2	FIELD BLANK	Total/NA	Water	9010C	
MB 180-515181/4-A	Method Blank	Total/NA	Water	9010C	
HLCS 180-515181/2-A	Lab Control Sample	Total/NA	Water	9010C	
LCS 180-515181/3-A	Lab Control Sample	Total/NA	Water	9010C	
LLCS 180-515181/1-A	Lab Control Sample	Total/NA	Water	9010C	
630-138117-1 MS	SITE WATER	Total/NA	Water	9010C	
630-138117-1 MSD	SITE WATER	Total/NA	Water	9010C	
630-138117-2 MS	FIELD BLANK	Total/NA	Water	9010C	
630-138117-2 MSD	FIELD BLANK	Total/NA	Water	9010C	
630-138117-1 DU	SITE WATER	Total/NA	Water	9010C	

EurofinsPhiladelphia

QC Association Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

General Chemistry (Continued)

Prep Batch: 515181 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138117-2 DU	FIELD BLANK	Total/NA	Water	9010C	

Analysis Batch: 515208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138117-1	SITE WATER	Total/NA	Water	EPA 9014	515181
630-138117-2	FIELD BLANK	Total/NA	Water	EPA 9014	515181
MB 180-515181/4-A	Method Blank	Total/NA	Water	EPA 9014	515181
HLCS 180-515181/2-A	Lab Control Sample	Total/NA	Water	EPA 9014	515181
LCS 180-515181/3-A	Lab Control Sample	Total/NA	Water	EPA 9014	515181
LLCS 180-515181/1-A	Lab Control Sample	Total/NA	Water	EPA 9014	515181
630-138117-1 MS	SITE WATER	Total/NA	Water	EPA 9014	515181
630-138117-1 MSD	SITE WATER	Total/NA	Water	EPA 9014	515181
630-138117-2 MS	FIELD BLANK	Total/NA	Water	EPA 9014	515181
630-138117-2 MSD	FIELD BLANK	Total/NA	Water	EPA 9014	515181
630-138117-1 DU	SITE WATER	Total/NA	Water	EPA 9014	515181
630-138117-2 DU	FIELD BLANK	Total/NA	Water	EPA 9014	515181

Lab Chronicle

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Client Sample ID: SITE WATER

Lab Sample ID: 630-138117-1

Date Collected: 06/10/26 15:00

Matrix: Water

Date Received: 06/11/26 08:46

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3520C			515101	VJC	EET PIT	06/16/26 20:19
Total/NA	Analysis	EPA 8270E LL		1	515161	VVP	EET PIT	06/18/26 19:40
Total/NA	Prep	3510C			515107	VJC	EET PIT	06/17/26 00:12
Total/NA	Analysis	EPA 8081B LL		1	515112	JMO	EET PIT	06/17/26 13:06
Total/NA	Prep	3510C			515107	VJC	EET PIT	06/17/26 00:12
Total/NA	Analysis	EPA 8082A		1	515118	JMO	EET PIT	06/17/26 13:57
Total/NA	Analysis	PCB		1	515188	SAB	EET PIT	06/17/26 13:57
Total Recoverable	Prep	3005A			840583	VT6A	ELLE	06/24/26 07:20
Total Recoverable	Analysis	6020B		1	841319	I9IN	ELLE	06/24/26 16:56
Total Recoverable	Prep	3005A			840583	VT6A	ELLE	06/24/26 07:20
Total Recoverable	Analysis	6020B		100	841319	I9IN	ELLE	06/24/26 19:13
Total/NA	Prep	7470A			837799	HNC4	ELLE	06/19/26 15:44
Total/NA	Analysis	7470A		1	838823	HNC4	ELLE	06/19/26 23:13
Total/NA	Prep	9010C			515181	RAO	EET PIT	06/18/26 12:44
Total/NA	Analysis	EPA 9014		1	515208	RAO	EET PIT	06/18/26 16:19

Client Sample ID: FIELD BLANK

Lab Sample ID: 630-138117-2

Date Collected: 06/11/26 08:41

Matrix: Water

Date Received: 06/11/26 08:46

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3520C			515101	VJC	EET PIT	06/16/26 20:19
Total/NA	Analysis	EPA 8270E LL		1	515161	VVP	EET PIT	06/18/26 20:03
Total/NA	Prep	3510C			515107	VJC	EET PIT	06/17/26 00:12
Total/NA	Analysis	EPA 8081B LL		1	515112	JMO	EET PIT	06/17/26 13:24
Total/NA	Prep	3510C			515107	VJC	EET PIT	06/17/26 00:12
Total/NA	Analysis	EPA 8082A		1	515118	JMO	EET PIT	06/17/26 14:14
Total/NA	Analysis	PCB		1	515188	SAB	EET PIT	06/17/26 14:14
Total Recoverable	Prep	3005A			838281	VT6A	ELLE	06/19/26 09:40
Total Recoverable	Analysis	6020B		1	838706	I9IN	ELLE	06/19/26 16:51
Total/NA	Prep	7470A			837799	HNC4	ELLE	06/19/26 15:44
Total/NA	Analysis	7470A		1	838823	HNC4	ELLE	06/19/26 23:16
Total/NA	Prep	9010C			515181	RAO	EET PIT	06/18/26 12:44
Total/NA	Analysis	EPA 9014		1	515208	RAO	EET PIT	06/18/26 16:31

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	PA011	06-30-26

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	PA005	06-30-26

The following analytes are included in this report, but the laboratory is not certified by New Jersey NELAP PA005. This list may include analytes for which the agency does not offer certification :

Analysis Method	Prep Method	Matrix	Analyte
EPA 8081B LL	3510C	Water	Endosulfan, Total (1C)
EPA 8270E LL	3520C	Water	Cresols, Total
EPA 9014	9010C	Water	Cyanide, Total
PCB		Water	Polychlorinated biphenyls, Total

Method Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Method	Method Description	Protocol	Laboratory
EPA 8270E LL	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8081B LL	Organochlorine Pesticides (GC)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) (GC)	SW846	EET PIT
PCB	Total PCB Calculation	TAL SOP	EET PIT
6020B	Metals (ICP/MS)	SW846	ELLE
7470A	Mercury (CVAA)	SW846	ELLE
EPA 9014	Cyanide	SW846	EET PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET PIT
3520C	Liquid-Liquid Extraction (Continuous)	SW846	EET PIT
7470A	Preparation, Mercury	SW846	ELLE
9010C	Cyanide, Distillation	SW846	EET PIT

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - SW/FB

Job ID: 630-138117-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
630-138117-1	SITE WATER	Water	06/10/26 15:00	06/11/26 08:46	New Jersey
630-138117-2	FIELD BLANK	Water	06/11/26 08:41	06/11/26 08:46	New Jersey

- 1
- 2
- 3
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- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

63010512



**Drinking Water
and
Wastewater
Northeast, LLC**

795 Horsham Road
Horsham, PA 19044

Phone : 215-355-3900

Client/Acct. No.
Address

900 Dudley Ave

City/State/Zip

Cherry Hill, NJ 08002

Phone/Fax

Client Contact:

Clare Mueller

CHAIN OF CUSTODY

Page 1 of 1

Bill to/Report to (if different)



630-138117 Chain of Custody

MATRIX CODES

DW: DRINKING WATER
GW: GROUND WATER
WW: WASTEWATER
SO: SOIL
SL: SLUDGE
OIL: OIL
SOL: NON SOIL SOLID
MI: MISCELLANEOUS
X: OTHER

___ Ascorbic/HCL Vials # ___ HCL Vials

___ Na2S2O3

___ NaOH/Znacetate

2 HNO3 250 pl

___ H2SO4

2 NaOH 250 pl

___ Unpreserved 4-Amb Qt, 10-250 Amb

___ HCL # ___ NH4Cl # ___ MeOH

___ DI Water

ANALYSIS REQUESTED

Field pH, Temp (°C),
DO, C12, Cond, etc.

Grain Size TOC % Solids

8270, 8081, 8082, TAL Metals,
CN

PROJECT

Collection

Number of Containers

FIELD ID

Date

Military
Time

G
R
A
B

C
O
M
P

Matrix
Code

Total

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S
O
4

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C-1
C-2
C-3
C-4
C-5
C-6
C-7
C-8
SW
FB

6/10 11:55
6/10 11:52
1:41
2:34
1:26
10:56
2:34
1:15
6/10 3:00
6/11 8:41

SAMPLED BY: (Name/Company)

S.T. Hudson Eng, Inc.
Clare Mueller

TAT : ☐ STANDARD (10 DAY)

or DUE DATE ___/___/___

Report Format: ☐ Standard ☐ NJ-RDD ☐ SRP-RDD

☐ Standard + QC ☐ Forms ☐ EDD

Field Parameters Analyzed By:

Initials

Date/Time:

Please call for pricing and availability for rush (<10 day) turnaround and for all but standard reporting format.

SALE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK, IE. 8AM IS 0800, 4 PM IS 1600)

RELINQUISHED BY: SAMPLER

1. Clare Mueller

DATE

6/11

TIME

845

RECEIVED BY

1. [Signature]

DATE

6/11

TIME

0846

DELIVERY: ☒ FEETP COURIER ☐ CLIENT

☐ UPS ☐ FEDEX ☐ OTHER

Custody Seal Number

RELINQUISHED BY

2. [Signature]

DATE

6/11

TIME

1703

RECEIVED BY

2. [Signature]

DATE

DATE

TIME

TIME

Rec'd Temp.: _____ Initials: _____ Ice Y / N Location: _____

COMMENTS:

RELINQUISHED BY

3. [Signature]

DATE

DATE

TIME

TIME

RECEIVED BY

3. [Signature]

DATE

DATE

TIME

TIME

RELINQUISHED BY

4. [Signature]

DATE

DATE

TIME

TIME

RECEIVED BY

4. [Signature]

DATE

DATE

TIME

TIME

RELINQUISHED BY

5. [Signature]

DATE

DATE

TIME

TIME

RECEIVED BY

5. [Signature]

DATE

DATE

TIME

TIME

Hazardous: yes / no

6/30/2026

ORIGIN ID:SEGA (215) 355-3900
EUROFINS ENVIRON TESTING PHILA LLC
785 HORSHAM ROAD
HORSHAM, PA 19044
UNITED STATES US

SHIP DATE: 15JUN26
ACTWGT: 64.35 LB
CAD: 265788972/CAFE4004
DIMS: 25x14x14 IN
BILL SENDER

TO **SAMPLE RECEIVING**
EUROFINS PITTSBURGH
301 ALPHA DR

58K05/6857/59F2

PITTSBURGH PA 15238

(412) 963-7068

REF:

DEPT:



Uncorrected temp 3.1 °C
Thermometer ID 25

CF 012

Initials HL

PT-WI-SR-001 effective 7/26/13

FedEx
Express



J261025121101-01



630-138117 Waybill

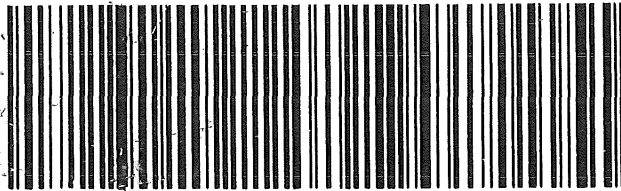
TRK# 4881 3411 2555
0201

TUE - 16 JUN 10:30A
PRIORITY OVERNIGHT

NP AGCA

15238

PA-US PIT



Part # 156148-43, 17W EXP 02/22



[illegible]

Page 40 of 43

Login Sample Receipt Checklist

Client: ST Hudson Engineers

Job Number: 630-138117-1

Login Number: 138117

List Source: EurofinsPhiladelphia

List Number: 1

Creator: Kurz, Chris

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

Login Sample Receipt Checklist

Client: ST Hudson Engineers

Job Number: 630-138117-1

Login Number: 138117

List Number: 2

Creator: Cyms, Carolyn M

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 06/15/26 04:00 AM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Login Sample Receipt Checklist

Client: ST Hudson Engineers

Job Number: 630-138117-1

Login Number: 138117

List Number: 3

Creator: Walters, Shelby M

List Source: Eurofins Pittsburgh

List Creation: 06/16/26 11:59 AM

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Paul Ferry
ST Hudson Engineers
900 Dudley Avenue
Cherry Hill, New Jersey 08002

Generated 7/6/2026 6:25:14 AM

JOB DESCRIPTION

DRBA Lewes Ferry Terminal - Discrete

JOB NUMBER

630-138167-1

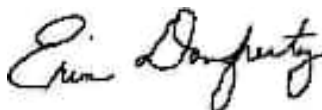
EurofinsPhiladelphia

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Drinking Water and Wastewater Northeast, LLC Project Manager.

Authorization



Generated
7/6/2026 6:25:14 AM

Authorized for release by
Erin Dougherty, Project Administrator
Erin.Dougherty@et.eurofinsus.com
(215)355-3900

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Definitions/Glossary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: ST Hudson Engineers
Project: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Job ID: 630-138167-1

EurofinsPhiladelphia

Job Narrative 630-138167-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 6/16/2026 9:49 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

GC/MS Semi VOA

Method EPA 8270E LL - Dissolved: The continuing calibration verification (CCV) analyzed in 180-515605 was outside the method criteria for the following analyte(s): Bis(2-chloroethyl)ether, Isophorone and Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

PCBs

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

Pesticides

Method EPA 8081B LL - Dissolved: The laboratory control sample duplicate (LCSD) for preparation batch 180-515476 and analytical batch 180-515650 recovered outside control limits for the following analytes: methoxychlor. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method EPA 8081B LL - Dissolved: The continuing calibration verification (CCV) associated with 180-515650 recovered low and outside the control limits for toxaphene on one column. Results are confirmed on both columns and hits were reported from the passing column. The associated sample is: (CCV 180-515650/2).

Method EPA 8081B LL - Dissolved: The continuing calibration verification (CCV) associated with batch 180-515650 recovered above the upper control limit for methoxychlor. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

Metals

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

General Chemistry

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

Geotechnical

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

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Detection Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-1

Lab Sample ID: 630-138167-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon	55000		2500	2400	mg/Kg	1	✱	EPA-Lloyd Kahn	Total/NA

Client Sample ID: C-1

Lab Sample ID: 630-138167-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Solids	41		0.10	0.10	%	1		2540G-2011	Total/NA
50 mm (Sieve Size 2 inch)	100.0				% Finer	1		D422	Total/NA
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer	1		D422	Total/NA
25 mm (Sieve Size 1 inch)	100.0				% Finer	1		D422	Total/NA
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer	1		D422	Total/NA
19 mm (Sieve Size 0.75 inch)	100.0				% Finer	1		D422	Total/NA
4.75 mm (Sieve Size #4)	100.0				% Finer	1		D422	Total/NA
2 mm (Sieve Size #10)	100.0				% Finer	1		D422	Total/NA
0.85 mm (Sieve Size #20)	97.6				% Finer	1		D422	Total/NA
0.425 mm (Sieve Size #40)	94.7				% Finer	1		D422	Total/NA
0.25 mm (Sieve Size #60)	91.0				% Finer	1		D422	Total/NA
0.18 mm (Sieve Size #80)	87.6				% Finer	1		D422	Total/NA
0.15 mm (Sieve Size #100)	85.5				% Finer	1		D422	Total/NA
0.075 mm (Sieve Size #200)	78.8				% Finer	1		D422	Total/NA
36.1 um (Hydrometer Reading 1)	28.8				% Finer	1		D422	Total/NA
22.9 um (Hydrometer Reading 2)	26.0				% Finer	1		D422	Total/NA
13.4 um (Hydrometer Reading 3)	17.6				% Finer	1		D422	Total/NA
9.8 um (Hydrometer Reading 4)	17.6				% Finer	1		D422	Total/NA
6.7 um (Hydrometer Reading 5)	12.1				% Finer	1		D422	Total/NA
3.3 um (Hydrometer Reading 6)	9.3				% Finer	1		D422	Total/NA
1.4 um (Hydrometer Reading 7)	9.3				% Finer	1		D422	Total/NA
Clay	12.1				%	1		D422	Total/NA
Gravel	0.0				%	1		D422	Total/NA
Coarse Sand	0.0				%	1		D422	Total/NA
Fine Sand	15.9				%	1		D422	Total/NA
Medium Sand	5.3				%	1		D422	Total/NA
Sand	21.2				%	1		D422	Total/NA
Silt	66.7				%	1		D422	Total/NA

Client Sample ID: C-2

Lab Sample ID: 630-138167-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon	52000		2500	2400	mg/Kg	1	✱	EPA-Lloyd Kahn	Total/NA

Client Sample ID: C-2

Lab Sample ID: 630-138167-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Solids	40		0.10	0.10	%	1		2540G-2011	Total/NA
50 mm (Sieve Size 2 inch)	100.0				% Finer	1		D422	Total/NA
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer	1		D422	Total/NA
25 mm (Sieve Size 1 inch)	100.0				% Finer	1		D422	Total/NA
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer	1		D422	Total/NA
19 mm (Sieve Size 0.75 inch)	100.0				% Finer	1		D422	Total/NA
4.75 mm (Sieve Size #4)	100.0				% Finer	1		D422	Total/NA
2 mm (Sieve Size #10)	100.0				% Finer	1		D422	Total/NA
0.85 mm (Sieve Size #20)	98.1				% Finer	1		D422	Total/NA
0.425 mm (Sieve Size #40)	94.7				% Finer	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-2 (Continued)

Lab Sample ID: 630-138167-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
0.25 mm (Sieve Size #60)	90.7				% Finer	1		D422	Total/NA
0.18 mm (Sieve Size #80)	87.1				% Finer	1		D422	Total/NA
0.15 mm (Sieve Size #100)	85.0				% Finer	1		D422	Total/NA
0.075 mm (Sieve Size #200)	77.3				% Finer	1		D422	Total/NA
36.1 um (Hydrometer Reading 1)	32.2				% Finer	1		D422	Total/NA
22.9 um (Hydrometer Reading 2)	26.5				% Finer	1		D422	Total/NA
13.4 um (Hydrometer Reading 3)	18.0				% Finer	1		D422	Total/NA
9.8 um (Hydrometer Reading 4)	18.0				% Finer	1		D422	Total/NA
6.7 um (Hydrometer Reading 5)	15.1				% Finer	1		D422	Total/NA
3.3 um (Hydrometer Reading 6)	10.9				% Finer	1		D422	Total/NA
1.4 um (Hydrometer Reading 7)	9.5				% Finer	1		D422	Total/NA
Clay	15.1				%	1		D422	Total/NA
Gravel	0.0				%	1		D422	Total/NA
Coarse Sand	0.0				%	1		D422	Total/NA
Fine Sand	17.4				%	1		D422	Total/NA
Medium Sand	5.3				%	1		D422	Total/NA
Sand	22.7				%	1		D422	Total/NA
Silt	62.2				%	1		D422	Total/NA

Client Sample ID: C-3

Lab Sample ID: 630-138167-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon	40000		2400	2300	mg/Kg	1	☆	EPA-Lloyd Kahn	Total/NA

Client Sample ID: C-3

Lab Sample ID: 630-138167-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Solids	40		0.10	0.10	%	1		2540G-2011	Total/NA
50 mm (Sieve Size 2 inch)	100.0				% Finer	1		D422	Total/NA
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer	1		D422	Total/NA
25 mm (Sieve Size 1 inch)	100.0				% Finer	1		D422	Total/NA
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer	1		D422	Total/NA
19 mm (Sieve Size 0.75 inch)	100.0				% Finer	1		D422	Total/NA
4.75 mm (Sieve Size #4)	100.0				% Finer	1		D422	Total/NA
2 mm (Sieve Size #10)	100.0				% Finer	1		D422	Total/NA
0.85 mm (Sieve Size #20)	98.0				% Finer	1		D422	Total/NA
0.425 mm (Sieve Size #40)	96.4				% Finer	1		D422	Total/NA
0.25 mm (Sieve Size #60)	94.6				% Finer	1		D422	Total/NA
0.18 mm (Sieve Size #80)	91.2				% Finer	1		D422	Total/NA
0.15 mm (Sieve Size #100)	88.9				% Finer	1		D422	Total/NA
0.075 mm (Sieve Size #200)	84.6				% Finer	1		D422	Total/NA
36.1 um (Hydrometer Reading 1)	48.1				% Finer	1		D422	Total/NA
22.9 um (Hydrometer Reading 2)	39.8				% Finer	1		D422	Total/NA
13.4 um (Hydrometer Reading 3)	25.9				% Finer	1		D422	Total/NA
9.8 um (Hydrometer Reading 4)	23.1				% Finer	1		D422	Total/NA
6.7 um (Hydrometer Reading 5)	20.3				% Finer	1		D422	Total/NA
3.3 um (Hydrometer Reading 6)	14.8				% Finer	1		D422	Total/NA
1.4 um (Hydrometer Reading 7)	12.0				% Finer	1		D422	Total/NA
Clay	20.3				%	1		D422	Total/NA
Gravel	0.0				%	1		D422	Total/NA
Coarse Sand	0.0				%	1		D422	Total/NA
Fine Sand	11.8				%	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-3 (Continued)

Lab Sample ID: 630-138167-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Medium Sand	3.6				%	1		D422	Total/NA
Sand	15.4				%	1		D422	Total/NA
Silt	64.3				%	1		D422	Total/NA

Client Sample ID: C-5

Lab Sample ID: 630-138167-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon	44000		2500	2400	mg/Kg	1	⊗	EPA-Lloyd Kahn	Total/NA

Client Sample ID: C-5

Lab Sample ID: 630-138167-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Solids	40		0.10	0.10	%	1		2540G-2011	Total/NA
50 mm (Sieve Size 2 inch)	100.0				% Finer	1		D422	Total/NA
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer	1		D422	Total/NA
25 mm (Sieve Size 1 inch)	100.0				% Finer	1		D422	Total/NA
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer	1		D422	Total/NA
19 mm (Sieve Size 0.75 inch)	100.0				% Finer	1		D422	Total/NA
4.75 mm (Sieve Size #4)	100.0				% Finer	1		D422	Total/NA
2 mm (Sieve Size #10)	100.0				% Finer	1		D422	Total/NA
0.85 mm (Sieve Size #20)	96.4				% Finer	1		D422	Total/NA
0.425 mm (Sieve Size #40)	94.5				% Finer	1		D422	Total/NA
0.25 mm (Sieve Size #60)	93.2				% Finer	1		D422	Total/NA
0.18 mm (Sieve Size #80)	91.9				% Finer	1		D422	Total/NA
0.15 mm (Sieve Size #100)	91.1				% Finer	1		D422	Total/NA
0.075 mm (Sieve Size #200)	88.2				% Finer	1		D422	Total/NA
36.1 um (Hydrometer Reading 1)	42.3				% Finer	1		D422	Total/NA
22.9 um (Hydrometer Reading 2)	34.0				% Finer	1		D422	Total/NA
13.4 um (Hydrometer Reading 3)	25.8				% Finer	1		D422	Total/NA
9.8 um (Hydrometer Reading 4)	20.2				% Finer	1		D422	Total/NA
6.7 um (Hydrometer Reading 5)	16.1				% Finer	1		D422	Total/NA
3.3 um (Hydrometer Reading 6)	12.0				% Finer	1		D422	Total/NA
1.4 um (Hydrometer Reading 7)	10.6				% Finer	1		D422	Total/NA
Clay	16.1				%	1		D422	Total/NA
Gravel	0.0				%	1		D422	Total/NA
Coarse Sand	0.0				%	1		D422	Total/NA
Fine Sand	6.3				%	1		D422	Total/NA
Medium Sand	5.5				%	1		D422	Total/NA
Sand	11.8				%	1		D422	Total/NA
Silt	72.1				%	1		D422	Total/NA

Client Sample ID: C-6

Lab Sample ID: 630-138167-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon	34000		2500	2400	mg/Kg	1	⊗	EPA-Lloyd Kahn	Total/NA

Client Sample ID: C-6

Lab Sample ID: 630-138167-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Solids	41		0.10	0.10	%	1		2540G-2011	Total/NA
50 mm (Sieve Size 2 inch)	100.0				% Finer	1		D422	Total/NA
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer	1		D422	Total/NA
25 mm (Sieve Size 1 inch)	100.0				% Finer	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-6 (Continued)

Lab Sample ID: 630-138167-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer	1		D422	Total/NA
19 mm (Sieve Size 0.75 inch)	100.0				% Finer	1		D422	Total/NA
4.75 mm (Sieve Size #4)	100.0				% Finer	1		D422	Total/NA
2 mm (Sieve Size #10)	100.0				% Finer	1		D422	Total/NA
0.85 mm (Sieve Size #20)	98.2				% Finer	1		D422	Total/NA
0.425 mm (Sieve Size #40)	96.9				% Finer	1		D422	Total/NA
0.25 mm (Sieve Size #60)	95.7				% Finer	1		D422	Total/NA
0.18 mm (Sieve Size #80)	94.4				% Finer	1		D422	Total/NA
0.15 mm (Sieve Size #100)	93.6				% Finer	1		D422	Total/NA
0.075 mm (Sieve Size #200)	90.4				% Finer	1		D422	Total/NA
36.1 um (Hydrometer Reading 1)	45.7				% Finer	1		D422	Total/NA
22.9 um (Hydrometer Reading 2)	37.8				% Finer	1		D422	Total/NA
13.4 um (Hydrometer Reading 3)	27.3				% Finer	1		D422	Total/NA
9.8 um (Hydrometer Reading 4)	20.7				% Finer	1		D422	Total/NA
6.7 um (Hydrometer Reading 5)	16.7				% Finer	1		D422	Total/NA
3.3 um (Hydrometer Reading 6)	14.1				% Finer	1		D422	Total/NA
1.4 um (Hydrometer Reading 7)	11.4				% Finer	1		D422	Total/NA
Clay	16.7				%	1		D422	Total/NA
Gravel	0.0				%	1		D422	Total/NA
Coarse Sand	0.0				%	1		D422	Total/NA
Fine Sand	6.5				%	1		D422	Total/NA
Medium Sand	3.1				%	1		D422	Total/NA
Sand	9.6				%	1		D422	Total/NA
Silt	73.7				%	1		D422	Total/NA

Client Sample ID: C-7

Lab Sample ID: 630-138167-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon	41000		2200	2100	mg/Kg	1	✱	EPA-Lloyd Kahn	Total/NA

Client Sample ID: C-7

Lab Sample ID: 630-138167-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Solids	40		0.10	0.10	%	1		2540G-2011	Total/NA
50 mm (Sieve Size 2 inch)	100.0				% Finer	1		D422	Total/NA
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer	1		D422	Total/NA
25 mm (Sieve Size 1 inch)	100.0				% Finer	1		D422	Total/NA
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer	1		D422	Total/NA
19 mm (Sieve Size 0.75 inch)	100.0				% Finer	1		D422	Total/NA
4.75 mm (Sieve Size #4)	98.9				% Finer	1		D422	Total/NA
2 mm (Sieve Size #10)	97.5				% Finer	1		D422	Total/NA
0.85 mm (Sieve Size #20)	90.6				% Finer	1		D422	Total/NA
0.425 mm (Sieve Size #40)	72.3				% Finer	1		D422	Total/NA
0.25 mm (Sieve Size #60)	62.5				% Finer	1		D422	Total/NA
0.18 mm (Sieve Size #80)	56.6				% Finer	1		D422	Total/NA
0.15 mm (Sieve Size #100)	54.3				% Finer	1		D422	Total/NA
0.075 mm (Sieve Size #200)	49.4				% Finer	1		D422	Total/NA
36.1 um (Hydrometer Reading 1)	30.6				% Finer	1		D422	Total/NA
22.9 um (Hydrometer Reading 2)	27.9				% Finer	1		D422	Total/NA
13.4 um (Hydrometer Reading 3)	22.5				% Finer	1		D422	Total/NA
9.8 um (Hydrometer Reading 4)	19.8				% Finer	1		D422	Total/NA
6.7 um (Hydrometer Reading 5)	14.4				% Finer	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

EurofinsPhiladelphia

Detection Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-7 (Continued)

Lab Sample ID: 630-138167-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
3.3 um (Hydrometer Reading 6)	10.4				% Finer	1		D422	Total/NA
1.4 um (Hydrometer Reading 7)	9.0				% Finer	1		D422	Total/NA
Clay	14.4				%	1		D422	Total/NA
Gravel	1.1				%	1		D422	Total/NA
Coarse Sand	1.4				%	1		D422	Total/NA
Fine Sand	22.9				%	1		D422	Total/NA
Medium Sand	25.2				%	1		D422	Total/NA
Sand	49.5				%	1		D422	Total/NA
Silt	35.0				%	1		D422	Total/NA

Client Sample ID: C-8

Lab Sample ID: 630-138167-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon	42000		2400	2300	mg/Kg	1	☆	EPA-Lloyd Kahn	Total/NA

Client Sample ID: C-8

Lab Sample ID: 630-138167-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Solids	41		0.10	0.10	%	1		2540G-2011	Total/NA
50 mm (Sieve Size 2 inch)	100.0				% Finer	1		D422	Total/NA
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer	1		D422	Total/NA
25 mm (Sieve Size 1 inch)	100.0				% Finer	1		D422	Total/NA
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer	1		D422	Total/NA
19 mm (Sieve Size 0.75 inch)	100.0				% Finer	1		D422	Total/NA
4.75 mm (Sieve Size #4)	100.0				% Finer	1		D422	Total/NA
2 mm (Sieve Size #10)	100.0				% Finer	1		D422	Total/NA
0.85 mm (Sieve Size #20)	97.9				% Finer	1		D422	Total/NA
0.425 mm (Sieve Size #40)	95.4				% Finer	1		D422	Total/NA
0.25 mm (Sieve Size #60)	92.7				% Finer	1		D422	Total/NA
0.18 mm (Sieve Size #80)	89.2				% Finer	1		D422	Total/NA
0.15 mm (Sieve Size #100)	87.2				% Finer	1		D422	Total/NA
0.075 mm (Sieve Size #200)	82.3				% Finer	1		D422	Total/NA
36.1 um (Hydrometer Reading 1)	39.6				% Finer	1		D422	Total/NA
22.9 um (Hydrometer Reading 2)	34.0				% Finer	1		D422	Total/NA
13.4 um (Hydrometer Reading 3)	25.8				% Finer	1		D422	Total/NA
9.8 um (Hydrometer Reading 4)	20.2				% Finer	1		D422	Total/NA
6.7 um (Hydrometer Reading 5)	17.5				% Finer	1		D422	Total/NA
3.3 um (Hydrometer Reading 6)	12.0				% Finer	1		D422	Total/NA
1.4 um (Hydrometer Reading 7)	12.0				% Finer	1		D422	Total/NA
Clay	17.5				%	1		D422	Total/NA
Gravel	0.0				%	1		D422	Total/NA
Coarse Sand	0.0				%	1		D422	Total/NA
Fine Sand	13.1				%	1		D422	Total/NA
Medium Sand	4.6				%	1		D422	Total/NA
Sand	17.7				%	1		D422	Total/NA
Silt	64.8				%	1		D422	Total/NA

Client Sample ID: SC-1 COMPOSITE (C1+C2)

Lab Sample ID: 630-138167-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon	29000		300	100	mg/Kg	1		Lloyd Kahn	Total/NA

This Detection Summary does not include radiochemical test results.

EurofinsPhiladelphia

Detection Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: SC-2 COMPOSITE (C3+C7)

Lab Sample ID: 630-138167-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon	20000		300	100	mg/Kg	1		Lloyd Kahn	Total/NA

Client Sample ID: SC-3 COMPOSITE (C5+C6+C8)

Lab Sample ID: 630-138167-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon	15000		300	100	mg/Kg	1		Lloyd Kahn	Total/NA

Client Sample ID: SC-1 COMPOSITE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Caprolactam	1.7	J	5.0	0.68	ug/L	1		EPA 8270E LL	Dissolved
Di-n-butyl phthalate	0.53	J	1.0	0.38	ug/L	1		EPA 8270E LL	Dissolved
Diethyl phthalate	0.26	J	1.0	0.25	ug/L	1		EPA 8270E LL	Dissolved
alpha-BHC (2C)	0.0024		0.0013	0.00023	ug/L	1		EPA 8081B LL	Dissolved
Antimony	1.2		1.0	0.20	ug/L	1		6020B	Dissolved
Arsenic	10		2.0	0.68	ug/L	1		6020B	Dissolved
Barium	24		2.0	0.75	ug/L	1		6020B	Dissolved
Beryllium	0.17	J	0.50	0.12	ug/L	1		6020B	Dissolved
Calcium	360000		10000	5000	ug/L	100		6020B	Dissolved
Chromium	0.55	J	2.0	0.55	ug/L	1		6020B	Dissolved
Cobalt	0.39	J	0.50	0.16	ug/L	1		6020B	Dissolved
Iron	130		50	20	ug/L	1		6020B	Dissolved
Lead	0.22	J	0.50	0.12	ug/L	1		6020B	Dissolved
Magnesium	1200000		5000	1600	ug/L	100		6020B	Dissolved
Manganese	1400		2.0	1.2	ug/L	1		6020B	Dissolved
Nickel	1.1		1.0	0.40	ug/L	1		6020B	Dissolved
Potassium	380000		20000	6500	ug/L	100		6020B	Dissolved
Selenium	1.2		1.0	0.28	ug/L	1		6020B	Dissolved
Sodium	10000000	^2	20000	9000	ug/L	100		6020B	Dissolved
Thallium	0.67		0.50	0.13	ug/L	1		6020B	Dissolved
Vanadium	2.6	J	4.0	0.79	ug/L	1		6020B	Dissolved

Client Sample ID: SC-2 COMPOSITE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Chloronaphthalene	0.061	J	0.19	0.059	ug/L	1		EPA 8270E LL	Dissolved
2-Methylnaphthalene	0.069	J	0.19	0.062	ug/L	1		EPA 8270E LL	Dissolved
Caprolactam	2.4	J	5.0	0.68	ug/L	1		EPA 8270E LL	Dissolved
Acenaphthene	0.079	J	0.19	0.065	ug/L	1		EPA 8270E LL	Dissolved
Butyl benzyl phthalate	1.5	J	2.0	0.94	ug/L	1		EPA 8270E LL	Dissolved
Di-n-butyl phthalate	1.3		1.0	0.38	ug/L	1		EPA 8270E LL	Dissolved
Diethyl phthalate	0.35	J	1.0	0.25	ug/L	1		EPA 8270E LL	Dissolved
alpha-BHC (1C)	0.0019	p	0.0013	0.00023	ug/L	1		EPA 8081B LL	Dissolved
Antimony	1.8		1.0	0.20	ug/L	1		6020B	Dissolved
Arsenic	11		2.0	0.68	ug/L	1		6020B	Dissolved
Barium	25		2.0	0.75	ug/L	1		6020B	Dissolved
Calcium	360000		10000	5000	ug/L	100		6020B	Dissolved
Iron	130		50	20	ug/L	1		6020B	Dissolved
Lead	0.38	J	0.50	0.12	ug/L	1		6020B	Dissolved
Magnesium	1200000		5000	1600	ug/L	100		6020B	Dissolved
Manganese	1200		2.0	1.2	ug/L	1		6020B	Dissolved
Nickel	0.78	J	1.0	0.40	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

EurofinsPhiladelphia

Detection Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: SC-2 COMPOSITE ELUTRIATE DISSOLVED (Continued)

Lab Sample ID: 630-138167-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	370000		20000	6500	ug/L	100		6020B	Dissolved
Selenium	0.50	J	1.0	0.28	ug/L	1		6020B	Dissolved
Sodium	9800000	^2	20000	9000	ug/L	100		6020B	Dissolved
Vanadium	3.9	J	4.0	0.79	ug/L	1		6020B	Dissolved

Client Sample ID: SC-3 COMPOSITE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Chloronaphthalene	0.13	J	0.19	0.059	ug/L	1		EPA 8270E LL	Dissolved
2-Methylnaphthalene	0.16	J	0.19	0.062	ug/L	1		EPA 8270E LL	Dissolved
Caprolactam	2.9	J	5.0	0.68	ug/L	1		EPA 8270E LL	Dissolved
Acenaphthene	0.11	J	0.19	0.065	ug/L	1		EPA 8270E LL	Dissolved
Acenaphthylene	0.082	J	0.19	0.065	ug/L	1		EPA 8270E LL	Dissolved
Butyl benzyl phthalate	1.1	J	2.0	0.94	ug/L	1		EPA 8270E LL	Dissolved
Di-n-butyl phthalate	1.1		1.0	0.38	ug/L	1		EPA 8270E LL	Dissolved
Diethyl phthalate	0.43	J	1.0	0.25	ug/L	1		EPA 8270E LL	Dissolved
Naphthalene	0.14	J	0.19	0.059	ug/L	1		EPA 8270E LL	Dissolved
alpha-BHC (2C)	0.0030		0.0013	0.00023	ug/L	1		EPA 8081B LL	Dissolved
Antimony	1.4		1.0	0.20	ug/L	1		6020B	Dissolved
Arsenic	6.7		2.0	0.68	ug/L	1		6020B	Dissolved
Barium	21		2.0	0.75	ug/L	1		6020B	Dissolved
Calcium	380000		10000	5000	ug/L	100		6020B	Dissolved
Cobalt	0.23	J	0.50	0.16	ug/L	1		6020B	Dissolved
Iron	54		50	20	ug/L	1		6020B	Dissolved
Lead	0.18	J	0.50	0.12	ug/L	1		6020B	Dissolved
Magnesium	1200000		5000	1600	ug/L	100		6020B	Dissolved
Manganese	970		2.0	1.2	ug/L	1		6020B	Dissolved
Nickel	0.63	J	1.0	0.40	ug/L	1		6020B	Dissolved
Potassium	390000		20000	6500	ug/L	100		6020B	Dissolved
Selenium	0.52	J	1.0	0.28	ug/L	1		6020B	Dissolved
Sodium	10000000	^2	20000	9000	ug/L	100		6020B	Dissolved
Vanadium	3.1	J	4.0	0.79	ug/L	1		6020B	Dissolved

Client Sample ID: C-4 DISCRETE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Caprolactam	1.8	J	5.0	0.68	ug/L	1		EPA 8270E LL	Dissolved
Butyl benzyl phthalate	1.6	J	2.0	0.94	ug/L	1		EPA 8270E LL	Dissolved
Di-n-butyl phthalate	1.2		1.0	0.38	ug/L	1		EPA 8270E LL	Dissolved
alpha-BHC (2C)	0.0027		0.0013	0.00023	ug/L	1		EPA 8081B LL	Dissolved
Antimony	0.80	J	1.0	0.20	ug/L	1		6020B	Dissolved
Arsenic	3.2		2.0	0.68	ug/L	1		6020B	Dissolved
Barium	15		2.0	0.75	ug/L	1		6020B	Dissolved
Calcium	360000		10000	5000	ug/L	100		6020B	Dissolved
Lead	0.19	J	0.50	0.12	ug/L	1		6020B	Dissolved
Magnesium	1100000		5000	1600	ug/L	100		6020B	Dissolved
Manganese	140		2.0	1.2	ug/L	1		6020B	Dissolved
Nickel	0.40	J	1.0	0.40	ug/L	1		6020B	Dissolved
Potassium	350000		20000	6500	ug/L	100		6020B	Dissolved
Selenium	0.35	J	1.0	0.28	ug/L	1		6020B	Dissolved
Sodium	9300000	^2	20000	9000	ug/L	100		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-4 DISCRETE ELUTRIATE DISSOLVED Lab Sample ID: 630-138167-34
(Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	4.2		4.0	0.79	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-1

Date Collected: 06/10/26 11:15

Date Received: 06/16/26 09:49

Lab Sample ID: 630-138167-1

Matrix: Sediment

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	60.4		0.1	0.1	%			06/23/26 10:00	1
Percent Solids (SM22 2540G)	39.6		0.1	0.1	%			06/23/26 10:00	1

Client Sample ID: C-1

Date Collected: 06/10/26 11:15

Date Received: 06/16/26 09:49

Lab Sample ID: 630-138167-1

Matrix: Sediment

Percent Solids: 39.6

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (EPA-Lloyd Kahn)	55000		2500	2400	mg/Kg	☼		06/24/26 13:56	1

Client Sample ID: C-1

Date Collected: 06/10/26 11:15

Date Received: 06/16/26 09:49

Lab Sample ID: 630-138167-2

Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G-2011)	59		0.10	0.10	%			06/17/26 18:59	1
Total Solids (SM 2540G-2011)	41		0.10	0.10	%			06/17/26 18:59	1
Percent Solids (SM 2540G-2011)	41		0.10	0.10	%			06/17/26 18:59	1

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
50 mm (Sieve Size 2 inch)	100.0				% Finer			06/26/26 20:33	1
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer			06/26/26 20:33	1
25 mm (Sieve Size 1 inch)	100.0				% Finer			06/26/26 20:33	1
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer			06/26/26 20:33	1
19 mm (Sieve Size 0.75 inch)	100.0				% Finer			06/26/26 20:33	1
4.75 mm (Sieve Size #4)	100.0				% Finer			06/26/26 20:33	1
2 mm (Sieve Size #10)	100.0				% Finer			06/26/26 20:33	1
0.85 mm (Sieve Size #20)	97.6				% Finer			06/26/26 20:33	1
0.425 mm (Sieve Size #40)	94.7				% Finer			06/26/26 20:33	1
0.25 mm (Sieve Size #60)	91.0				% Finer			06/26/26 20:33	1
0.18 mm (Sieve Size #80)	87.6				% Finer			06/26/26 20:33	1
0.15 mm (Sieve Size #100)	85.5				% Finer			06/26/26 20:33	1
0.075 mm (Sieve Size #200)	78.8				% Finer			06/26/26 20:33	1
36.1 um (Hydrometer Reading 1)	28.8				% Finer			06/26/26 20:33	1
22.9 um (Hydrometer Reading 2)	26.0				% Finer			06/26/26 20:33	1
13.4 um (Hydrometer Reading 3)	17.6				% Finer			06/26/26 20:33	1
9.8 um (Hydrometer Reading 4)	17.6				% Finer			06/26/26 20:33	1
6.7 um (Hydrometer Reading 5)	12.1				% Finer			06/26/26 20:33	1
3.3 um (Hydrometer Reading 6)	9.3				% Finer			06/26/26 20:33	1
1.4 um (Hydrometer Reading 7)	9.3				% Finer			06/26/26 20:33	1
Clay	12.1				%			06/26/26 20:33	1
Gravel	0.0				%			06/26/26 20:33	1
Coarse Sand	0.0				%			06/26/26 20:33	1
Fine Sand	15.9				%			06/26/26 20:33	1
Medium Sand	5.3				%			06/26/26 20:33	1
Sand	21.2				%			06/26/26 20:33	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-1

Lab Sample ID: 630-138167-2

Date Collected: 06/10/26 11:15

Matrix: Solid

Date Received: 06/16/26 09:49

Method: ASTM D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silt	66.7				%			06/26/26 20:33	1

Client Sample ID: C-2

Lab Sample ID: 630-138167-3

Date Collected: 06/10/26 11:52

Matrix: Sediment

Date Received: 06/16/26 09:49

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	59.5		0.1	0.1	%			06/23/26 10:00	1
Percent Solids (SM22 2540G)	40.5		0.1	0.1	%			06/23/26 10:00	1

Client Sample ID: C-2

Lab Sample ID: 630-138167-3

Date Collected: 06/10/26 11:52

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 40.5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (EPA-Lloyd Kahn)	52000		2500	2400	mg/Kg	☆		06/24/26 14:11	1

Client Sample ID: C-2

Lab Sample ID: 630-138167-4

Date Collected: 06/10/26 11:52

Matrix: Solid

Date Received: 06/16/26 09:49

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G-2011)	60		0.10	0.10	%			06/17/26 17:30	1
Total Solids (SM 2540G-2011)	40		0.10	0.10	%			06/17/26 17:30	1
Percent Solids (SM 2540G-2011)	40		0.10	0.10	%			06/17/26 17:30	1

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
50 mm (Sieve Size 2 inch)	100.0				% Finer			06/26/26 20:33	1
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer			06/26/26 20:33	1
25 mm (Sieve Size 1 inch)	100.0				% Finer			06/26/26 20:33	1
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer			06/26/26 20:33	1
19 mm (Sieve Size 0.75 inch)	100.0				% Finer			06/26/26 20:33	1
4.75 mm (Sieve Size #4)	100.0				% Finer			06/26/26 20:33	1
2 mm (Sieve Size #10)	100.0				% Finer			06/26/26 20:33	1
0.85 mm (Sieve Size #20)	98.1				% Finer			06/26/26 20:33	1
0.425 mm (Sieve Size #40)	94.7				% Finer			06/26/26 20:33	1
0.25 mm (Sieve Size #60)	90.7				% Finer			06/26/26 20:33	1
0.18 mm (Sieve Size #80)	87.1				% Finer			06/26/26 20:33	1
0.15 mm (Sieve Size #100)	85.0				% Finer			06/26/26 20:33	1
0.075 mm (Sieve Size #200)	77.3				% Finer			06/26/26 20:33	1
36.1 um (Hydrometer Reading 1)	32.2				% Finer			06/26/26 20:33	1
22.9 um (Hydrometer Reading 2)	26.5				% Finer			06/26/26 20:33	1
13.4 um (Hydrometer Reading 3)	18.0				% Finer			06/26/26 20:33	1
9.8 um (Hydrometer Reading 4)	18.0				% Finer			06/26/26 20:33	1
6.7 um (Hydrometer Reading 5)	15.1				% Finer			06/26/26 20:33	1
3.3 um (Hydrometer Reading 6)	10.9				% Finer			06/26/26 20:33	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-2

Lab Sample ID: 630-138167-4

Date Collected: 06/10/26 11:52

Matrix: Solid

Date Received: 06/16/26 09:49

Method: ASTM D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1.4 um (Hydrometer Reading 7)	9.5				% Finer			06/26/26 20:33	1
Clay	15.1				%			06/26/26 20:33	1
Gravel	0.0				%			06/26/26 20:33	1
Coarse Sand	0.0				%			06/26/26 20:33	1
Fine Sand	17.4				%			06/26/26 20:33	1
Medium Sand	5.3				%			06/26/26 20:33	1
Sand	22.7				%			06/26/26 20:33	1
Silt	62.2				%			06/26/26 20:33	1

Client Sample ID: C-3

Lab Sample ID: 630-138167-5

Date Collected: 06/10/26 13:41

Matrix: Sediment

Date Received: 06/16/26 09:49

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	58.4		0.1	0.1	%			06/23/26 10:03	1
Percent Solids (SM22 2540G)	41.6		0.1	0.1	%			06/23/26 10:03	1

Client Sample ID: C-3

Lab Sample ID: 630-138167-5

Date Collected: 06/10/26 13:41

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 41.6

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (EPA-Lloyd Kahn)	40000		2400	2300	mg/Kg	☆		06/24/26 14:26	1

Client Sample ID: C-3

Lab Sample ID: 630-138167-6

Date Collected: 06/10/26 13:41

Matrix: Solid

Date Received: 06/16/26 09:49

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G-2011)	60		0.10	0.10	%			06/17/26 16:00	1
Total Solids (SM 2540G-2011)	40		0.10	0.10	%			06/17/26 16:00	1
Percent Solids (SM 2540G-2011)	40		0.10	0.10	%			06/17/26 16:00	1

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
50 mm (Sieve Size 2 inch)	100.0				% Finer			06/26/26 20:33	1
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer			06/26/26 20:33	1
25 mm (Sieve Size 1 inch)	100.0				% Finer			06/26/26 20:33	1
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer			06/26/26 20:33	1
19 mm (Sieve Size 0.75 inch)	100.0				% Finer			06/26/26 20:33	1
4.75 mm (Sieve Size #4)	100.0				% Finer			06/26/26 20:33	1
2 mm (Sieve Size #10)	100.0				% Finer			06/26/26 20:33	1
0.85 mm (Sieve Size #20)	98.0				% Finer			06/26/26 20:33	1
0.425 mm (Sieve Size #40)	96.4				% Finer			06/26/26 20:33	1
0.25 mm (Sieve Size #60)	94.6				% Finer			06/26/26 20:33	1
0.18 mm (Sieve Size #80)	91.2				% Finer			06/26/26 20:33	1
0.15 mm (Sieve Size #100)	88.9				% Finer			06/26/26 20:33	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-3

Lab Sample ID: 630-138167-6

Date Collected: 06/10/26 13:41

Matrix: Solid

Date Received: 06/16/26 09:49

Method: ASTM D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
0.075 mm (Sieve Size #200)	84.6				% Finer			06/26/26 20:33	1
36.1 um (Hydrometer Reading 1)	48.1				% Finer			06/26/26 20:33	1
22.9 um (Hydrometer Reading 2)	39.8				% Finer			06/26/26 20:33	1
13.4 um (Hydrometer Reading 3)	25.9				% Finer			06/26/26 20:33	1
9.8 um (Hydrometer Reading 4)	23.1				% Finer			06/26/26 20:33	1
6.7 um (Hydrometer Reading 5)	20.3				% Finer			06/26/26 20:33	1
3.3 um (Hydrometer Reading 6)	14.8				% Finer			06/26/26 20:33	1
1.4 um (Hydrometer Reading 7)	12.0				% Finer			06/26/26 20:33	1
Clay	20.3				%			06/26/26 20:33	1
Gravel	0.0				%			06/26/26 20:33	1
Coarse Sand	0.0				%			06/26/26 20:33	1
Fine Sand	11.8				%			06/26/26 20:33	1
Medium Sand	3.6				%			06/26/26 20:33	1
Sand	15.4				%			06/26/26 20:33	1
Silt	64.3				%			06/26/26 20:33	1

Client Sample ID: C-5

Lab Sample ID: 630-138167-9

Date Collected: 06/10/26 13:26

Matrix: Sediment

Date Received: 06/16/26 09:49

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	59.7		0.1	0.1	%			06/23/26 10:03	1
Percent Solids (SM22 2540G)	40.3		0.1	0.1	%			06/23/26 10:03	1

Client Sample ID: C-5

Lab Sample ID: 630-138167-9

Date Collected: 06/10/26 13:26

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 40.3

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (EPA-Lloyd Kahn)	44000		2500	2400	mg/Kg	☆		06/24/26 15:11	1

Client Sample ID: C-5

Lab Sample ID: 630-138167-10

Date Collected: 06/10/26 13:26

Matrix: Solid

Date Received: 06/16/26 09:49

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G-2011)	60		0.10	0.10	%			06/17/26 10:03	1
Total Solids (SM 2540G-2011)	40		0.10	0.10	%			06/17/26 10:03	1
Percent Solids (SM 2540G-2011)	40		0.10	0.10	%			06/17/26 10:03	1

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
50 mm (Sieve Size 2 inch)	100.0				% Finer			06/26/26 20:33	1
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer			06/26/26 20:33	1
25 mm (Sieve Size 1 inch)	100.0				% Finer			06/26/26 20:33	1
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer			06/26/26 20:33	1
19 mm (Sieve Size 0.75 inch)	100.0				% Finer			06/26/26 20:33	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-5

Lab Sample ID: 630-138167-10

Date Collected: 06/10/26 13:26

Matrix: Solid

Date Received: 06/16/26 09:49

Method: ASTM D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4.75 mm (Sieve Size #4)	100.0				% Finer			06/26/26 20:33	1
2 mm (Sieve Size #10)	100.0				% Finer			06/26/26 20:33	1
0.85 mm (Sieve Size #20)	96.4				% Finer			06/26/26 20:33	1
0.425 mm (Sieve Size #40)	94.5				% Finer			06/26/26 20:33	1
0.25 mm (Sieve Size #60)	93.2				% Finer			06/26/26 20:33	1
0.18 mm (Sieve Size #80)	91.9				% Finer			06/26/26 20:33	1
0.15 mm (Sieve Size #100)	91.1				% Finer			06/26/26 20:33	1
0.075 mm (Sieve Size #200)	88.2				% Finer			06/26/26 20:33	1
36.1 um (Hydrometer Reading 1)	42.3				% Finer			06/26/26 20:33	1
22.9 um (Hydrometer Reading 2)	34.0				% Finer			06/26/26 20:33	1
13.4 um (Hydrometer Reading 3)	25.8				% Finer			06/26/26 20:33	1
9.8 um (Hydrometer Reading 4)	20.2				% Finer			06/26/26 20:33	1
6.7 um (Hydrometer Reading 5)	16.1				% Finer			06/26/26 20:33	1
3.3 um (Hydrometer Reading 6)	12.0				% Finer			06/26/26 20:33	1
1.4 um (Hydrometer Reading 7)	10.6				% Finer			06/26/26 20:33	1
Clay	16.1				%			06/26/26 20:33	1
Gravel	0.0				%			06/26/26 20:33	1
Coarse Sand	0.0				%			06/26/26 20:33	1
Fine Sand	6.3				%			06/26/26 20:33	1
Medium Sand	5.5				%			06/26/26 20:33	1
Sand	11.8				%			06/26/26 20:33	1
Silt	72.1				%			06/26/26 20:33	1

Client Sample ID: C-6

Lab Sample ID: 630-138167-11

Date Collected: 06/10/26 10:56

Matrix: Sediment

Date Received: 06/16/26 09:49

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	59.3		0.1	0.1	%			06/23/26 10:03	1
Percent Solids (SM22 2540G)	40.7		0.1	0.1	%			06/23/26 10:03	1

Client Sample ID: C-6

Lab Sample ID: 630-138167-11

Date Collected: 06/10/26 10:56

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 40.7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (EPA-Lloyd Kahn)	34000		2500	2400	mg/Kg	☼		06/24/26 15:27	1

Client Sample ID: C-6

Lab Sample ID: 630-138167-12

Date Collected: 06/10/26 10:56

Matrix: Solid

Date Received: 06/16/26 09:49

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G-2011)	59		0.10	0.10	%			06/17/26 13:02	1
Total Solids (SM 2540G-2011)	41		0.10	0.10	%			06/17/26 13:02	1
Percent Solids (SM 2540G-2011)	41		0.10	0.10	%			06/17/26 13:02	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-6

Lab Sample ID: 630-138167-12

Date Collected: 06/10/26 10:56

Matrix: Solid

Date Received: 06/16/26 09:49

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
50 mm (Sieve Size 2 inch)	100.0				% Finer			06/26/26 20:33	1
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer			06/26/26 20:33	1
25 mm (Sieve Size 1 inch)	100.0				% Finer			06/26/26 20:33	1
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer			06/26/26 20:33	1
19 mm (Sieve Size 0.75 inch)	100.0				% Finer			06/26/26 20:33	1
4.75 mm (Sieve Size #4)	100.0				% Finer			06/26/26 20:33	1
2 mm (Sieve Size #10)	100.0				% Finer			06/26/26 20:33	1
0.85 mm (Sieve Size #20)	98.2				% Finer			06/26/26 20:33	1
0.425 mm (Sieve Size #40)	96.9				% Finer			06/26/26 20:33	1
0.25 mm (Sieve Size #60)	95.7				% Finer			06/26/26 20:33	1
0.18 mm (Sieve Size #80)	94.4				% Finer			06/26/26 20:33	1
0.15 mm (Sieve Size #100)	93.6				% Finer			06/26/26 20:33	1
0.075 mm (Sieve Size #200)	90.4				% Finer			06/26/26 20:33	1
36.1 um (Hydrometer Reading 1)	45.7				% Finer			06/26/26 20:33	1
22.9 um (Hydrometer Reading 2)	37.8				% Finer			06/26/26 20:33	1
13.4 um (Hydrometer Reading 3)	27.3				% Finer			06/26/26 20:33	1
9.8 um (Hydrometer Reading 4)	20.7				% Finer			06/26/26 20:33	1
6.7 um (Hydrometer Reading 5)	16.7				% Finer			06/26/26 20:33	1
3.3 um (Hydrometer Reading 6)	14.1				% Finer			06/26/26 20:33	1
1.4 um (Hydrometer Reading 7)	11.4				% Finer			06/26/26 20:33	1
Clay	16.7				%			06/26/26 20:33	1
Gravel	0.0				%			06/26/26 20:33	1
Coarse Sand	0.0				%			06/26/26 20:33	1
Fine Sand	6.5				%			06/26/26 20:33	1
Medium Sand	3.1				%			06/26/26 20:33	1
Sand	9.6				%			06/26/26 20:33	1
Silt	73.7				%			06/26/26 20:33	1

Client Sample ID: C-7

Lab Sample ID: 630-138167-13

Date Collected: 06/10/26 12:39

Matrix: Sediment

Date Received: 06/16/26 09:49

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	54.5		0.1	0.1	%			06/23/26 10:03	1
Percent Solids (SM22 2540G)	45.5		0.1	0.1	%			06/23/26 10:03	1

Client Sample ID: C-7

Lab Sample ID: 630-138167-13

Date Collected: 06/10/26 12:39

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 45.5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (EPA-Lloyd Kahn)	41000		2200	2100	mg/Kg	☆		06/24/26 15:42	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-7

Lab Sample ID: 630-138167-14

Date Collected: 06/10/26 12:39

Matrix: Solid

Date Received: 06/16/26 09:49

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G-2011)	60		0.10	0.10	%			06/17/26 11:32	1
Total Solids (SM 2540G-2011)	40		0.10	0.10	%			06/17/26 11:32	1
Percent Solids (SM 2540G-2011)	40		0.10	0.10	%			06/17/26 11:32	1

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
50 mm (Sieve Size 2 inch)	100.0				% Finer			06/26/26 20:33	1
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer			06/26/26 20:33	1
25 mm (Sieve Size 1 inch)	100.0				% Finer			06/26/26 20:33	1
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer			06/26/26 20:33	1
19 mm (Sieve Size 0.75 inch)	100.0				% Finer			06/26/26 20:33	1
4.75 mm (Sieve Size #4)	98.9				% Finer			06/26/26 20:33	1
2 mm (Sieve Size #10)	97.5				% Finer			06/26/26 20:33	1
0.85 mm (Sieve Size #20)	90.6				% Finer			06/26/26 20:33	1
0.425 mm (Sieve Size #40)	72.3				% Finer			06/26/26 20:33	1
0.25 mm (Sieve Size #60)	62.5				% Finer			06/26/26 20:33	1
0.18 mm (Sieve Size #80)	56.6				% Finer			06/26/26 20:33	1
0.15 mm (Sieve Size #100)	54.3				% Finer			06/26/26 20:33	1
0.075 mm (Sieve Size #200)	49.4				% Finer			06/26/26 20:33	1
36.1 um (Hydrometer Reading 1)	30.6				% Finer			06/26/26 20:33	1
22.9 um (Hydrometer Reading 2)	27.9				% Finer			06/26/26 20:33	1
13.4 um (Hydrometer Reading 3)	22.5				% Finer			06/26/26 20:33	1
9.8 um (Hydrometer Reading 4)	19.8				% Finer			06/26/26 20:33	1
6.7 um (Hydrometer Reading 5)	14.4				% Finer			06/26/26 20:33	1
3.3 um (Hydrometer Reading 6)	10.4				% Finer			06/26/26 20:33	1
1.4 um (Hydrometer Reading 7)	9.0				% Finer			06/26/26 20:33	1
Clay	14.4				%			06/26/26 20:33	1
Gravel	1.1				%			06/26/26 20:33	1
Coarse Sand	1.4				%			06/26/26 20:33	1
Fine Sand	22.9				%			06/26/26 20:33	1
Medium Sand	25.2				%			06/26/26 20:33	1
Sand	49.5				%			06/26/26 20:33	1
Silt	35.0				%			06/26/26 20:33	1

Client Sample ID: C-8

Lab Sample ID: 630-138167-15

Date Collected: 06/10/26 13:13

Matrix: Sediment

Date Received: 06/16/26 09:49

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	57.8		0.1	0.1	%			06/23/26 10:03	1
Percent Solids (SM22 2540G)	42.2		0.1	0.1	%			06/23/26 10:03	1

Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-8

Lab Sample ID: 630-138167-15

Date Collected: 06/10/26 13:13

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 42.2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (EPA-Lloyd Kahn)	42000		2400	2300	mg/Kg	☼		06/24/26 15:57	1

Client Sample ID: C-8

Lab Sample ID: 630-138167-16

Date Collected: 06/10/26 13:13

Matrix: Solid

Date Received: 06/16/26 09:49

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G-2011)	59		0.10	0.10	%			06/17/26 14:31	1
Total Solids (SM 2540G-2011)	41		0.10	0.10	%			06/17/26 14:31	1
Percent Solids (SM 2540G-2011)	41		0.10	0.10	%			06/17/26 14:31	1

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
50 mm (Sieve Size 2 inch)	100.0				% Finer			06/26/26 20:33	1
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer			06/26/26 20:33	1
25 mm (Sieve Size 1 inch)	100.0				% Finer			06/26/26 20:33	1
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer			06/26/26 20:33	1
19 mm (Sieve Size 0.75 inch)	100.0				% Finer			06/26/26 20:33	1
4.75 mm (Sieve Size #4)	100.0				% Finer			06/26/26 20:33	1
2 mm (Sieve Size #10)	100.0				% Finer			06/26/26 20:33	1
0.85 mm (Sieve Size #20)	97.9				% Finer			06/26/26 20:33	1
0.425 mm (Sieve Size #40)	95.4				% Finer			06/26/26 20:33	1
0.25 mm (Sieve Size #60)	92.7				% Finer			06/26/26 20:33	1
0.18 mm (Sieve Size #80)	89.2				% Finer			06/26/26 20:33	1
0.15 mm (Sieve Size #100)	87.2				% Finer			06/26/26 20:33	1
0.075 mm (Sieve Size #200)	82.3				% Finer			06/26/26 20:33	1
36.1 um (Hydrometer Reading 1)	39.6				% Finer			06/26/26 20:33	1
22.9 um (Hydrometer Reading 2)	34.0				% Finer			06/26/26 20:33	1
13.4 um (Hydrometer Reading 3)	25.8				% Finer			06/26/26 20:33	1
9.8 um (Hydrometer Reading 4)	20.2				% Finer			06/26/26 20:33	1
6.7 um (Hydrometer Reading 5)	17.5				% Finer			06/26/26 20:33	1
3.3 um (Hydrometer Reading 6)	12.0				% Finer			06/26/26 20:33	1
1.4 um (Hydrometer Reading 7)	12.0				% Finer			06/26/26 20:33	1
Clay	17.5				%			06/26/26 20:33	1
Gravel	0.0				%			06/26/26 20:33	1
Coarse Sand	0.0				%			06/26/26 20:33	1
Fine Sand	13.1				%			06/26/26 20:33	1
Medium Sand	4.6				%			06/26/26 20:33	1
Sand	17.7				%			06/26/26 20:33	1
Silt	64.8				%			06/26/26 20:33	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: SC-1 COMPOSITE (C1+C2)

Lab Sample ID: 630-138167-18

Date Collected: 06/16/26 11:10

Matrix: Solid

Date Received: 06/16/26 09:49

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (EPA Lloyd Kahn)	29000		300	100	mg/Kg			06/26/26 20:35	1

Client Sample ID: SC-2 COMPOSITE (C3+C7)

Lab Sample ID: 630-138167-20

Date Collected: 06/16/26 11:48

Matrix: Solid

Date Received: 06/16/26 09:49

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (EPA Lloyd Kahn)	20000		300	100	mg/Kg			06/26/26 19:08	1

Client Sample ID: SC-3 COMPOSITE (C5+C6+C8)

Lab Sample ID: 630-138167-22

Date Collected: 06/16/26 12:16

Matrix: Solid

Date Received: 06/16/26 09:49

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (EPA Lloyd Kahn)	15000		300	100	mg/Kg			06/26/26 21:48	1

Client Sample ID: SC-1 COMPOSITE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-31

Date Collected: 06/25/26 08:30

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L		06/25/26 22:18	06/30/26 21:25	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0	0.15	ug/L		06/25/26 22:18	06/30/26 21:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 21:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.24	ug/L		06/25/26 22:18	06/30/26 21:25	1
1,2-Diphenylhydrazine	1.0	U	1.0	0.20	ug/L		06/25/26 22:18	06/30/26 21:25	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.24	ug/L		06/25/26 22:18	06/30/26 21:25	1
1,4-Dioxane	2.0	U	2.0	0.63	ug/L		06/25/26 22:18	06/30/26 21:25	1
2-Chloronaphthalene	0.19	U	0.19	0.059	ug/L		06/25/26 22:18	06/30/26 21:25	1
2-Chlorophenol	1.0	U	1.0	0.23	ug/L		06/25/26 22:18	06/30/26 21:25	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0	0.33	ug/L		06/25/26 22:18	06/30/26 21:25	1
2,4-Dichlorophenol	0.19	U	0.19	0.051	ug/L		06/25/26 22:18	06/30/26 21:25	1
2,4-Dimethylphenol	1.0	U	1.0	0.59	ug/L		06/25/26 22:18	06/30/26 21:25	1
2,4-Dinitrophenol	10	U	10	3.3	ug/L		06/25/26 22:18	06/30/26 21:25	1
2,4-Dinitrotoluene	1.0	U	1.0	0.35	ug/L		06/25/26 22:18	06/30/26 21:25	1
2,6-Dinitrotoluene	1.0	U	1.0	0.17	ug/L		06/25/26 22:18	06/30/26 21:25	1
2-Methylnaphthalene	0.19	U	0.19	0.062	ug/L		06/25/26 22:18	06/30/26 21:25	1
2-Methylphenol	1.0	U	1.0	0.56	ug/L		06/25/26 22:18	06/30/26 21:25	1
Methylphenol, 3 & 4	1.0	U	1.0	0.37	ug/L		06/25/26 22:18	06/30/26 21:25	1
2-Nitroaniline	5.0	U	5.0	0.55	ug/L		06/25/26 22:18	06/30/26 21:25	1
3-Nitroaniline	5.0	U	5.0	0.44	ug/L		06/25/26 22:18	06/30/26 21:25	1
4-Nitroaniline	5.0	U	5.0	0.36	ug/L		06/25/26 22:18	06/30/26 21:25	1
2-Nitrophenol	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 21:25	1
4-Nitrophenol	5.0	U	5.0	0.94	ug/L		06/25/26 22:18	06/30/26 21:25	1
2,2'-oxybis[1-chloropropane]	0.19	U	0.19	0.12	ug/L		06/25/26 22:18	06/30/26 21:25	1
2,4,5-Trichlorophenol	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 21:25	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: SC-1 COMPOSITE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-31

Date Collected: 06/25/26 08:30

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 21:25	1
4-Chloro-3-methylphenol	1.0	U	1.0	0.44	ug/L		06/25/26 22:18	06/30/26 21:25	1
4-Chlorophenyl phenyl ether	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 21:25	1
Atrazine	1.0	U	1.0	0.30	ug/L		06/25/26 22:18	06/30/26 21:25	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0	1.5	ug/L		06/25/26 22:18	06/30/26 21:25	1
Benzaldehyde	1.0	U	1.0	0.54	ug/L		06/25/26 22:18	06/30/26 21:25	1
1,1'-Biphenyl	1.0	U	1.0	0.14	ug/L		06/25/26 22:18	06/30/26 21:25	1
Caprolactam	1.7	J	5.0	0.68	ug/L		06/25/26 22:18	06/30/26 21:25	1
Acenaphthene	0.19	U	0.19	0.065	ug/L		06/25/26 22:18	06/30/26 21:25	1
Acenaphthylene	0.19	U	0.19	0.065	ug/L		06/25/26 22:18	06/30/26 21:25	1
Anthracene	0.19	U	0.19	0.049	ug/L		06/25/26 22:18	06/30/26 21:25	1
Benzo[a]anthracene	0.19	U	0.19	0.075	ug/L		06/25/26 22:18	06/30/26 21:25	1
Benzo[b]fluoranthene	0.19	U	0.19	0.097	ug/L		06/25/26 22:18	06/30/26 21:25	1
Benzo[k]fluoranthene	0.19	U	0.19	0.088	ug/L		06/25/26 22:18	06/30/26 21:25	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.069	ug/L		06/25/26 22:18	06/30/26 21:25	1
Benzo[a]pyrene	0.19	U	0.19	0.13	ug/L		06/25/26 22:18	06/30/26 21:25	1
Aniline	1.0	U	1.0	0.37	ug/L		06/25/26 22:18	06/30/26 21:25	1
Bis(2-chloroethoxy)methane	1.0	U	1.0	0.15	ug/L		06/25/26 22:18	06/30/26 21:25	1
Bis(2-chloroethyl)ether	0.19	U	0.19	0.14	ug/L		06/25/26 22:18	06/30/26 21:25	1
Bis(2-ethylhexyl) phthalate	10	U	10	2.1	ug/L		06/25/26 22:18	06/30/26 21:25	1
4-Bromophenyl phenyl ether	1.0	U	1.0	0.32	ug/L		06/25/26 22:18	06/30/26 21:25	1
Butyl benzyl phthalate	2.0	U	2.0	0.94	ug/L		06/25/26 22:18	06/30/26 21:25	1
Carbazole	0.19	U	0.19	0.051	ug/L		06/25/26 22:18	06/30/26 21:25	1
4-Chloroaniline	1.0	U	1.0	0.38	ug/L		06/25/26 22:18	06/30/26 21:25	1
Benzidine	20	U	20	9.1	ug/L		06/25/26 22:18	06/30/26 21:25	1
Chrysene	0.19	U	0.19	0.081	ug/L		06/25/26 22:18	06/30/26 21:25	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.072	ug/L		06/25/26 22:18	06/30/26 21:25	1
Dibenzofuran	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 21:25	1
Di-n-butyl phthalate	0.53	J	1.0	0.38	ug/L		06/25/26 22:18	06/30/26 21:25	1
Benzoic acid	5.0	U	5.0	2.5	ug/L		06/25/26 22:18	06/30/26 21:25	1
Di-n-octyl phthalate	1.0	U	1.0	0.69	ug/L		06/25/26 22:18	06/30/26 21:25	1
Benzyl alcohol	5.0	U	5.0	1.7	ug/L		06/25/26 22:18	06/30/26 21:25	1
Diethyl phthalate	0.26	J	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 21:25	1
Dimethyl phthalate	2.0	U	2.0	0.20	ug/L		06/25/26 22:18	06/30/26 21:25	1
Fluoranthene	0.19	U	0.19	0.060	ug/L		06/25/26 22:18	06/30/26 21:25	1
Fluorene	0.19	U	0.19	0.069	ug/L		06/25/26 22:18	06/30/26 21:25	1
Hexachlorobenzene	0.19	U	0.19	0.056	ug/L		06/25/26 22:18	06/30/26 21:25	1
Hexachlorobutadiene	0.19	U	0.19	0.16	ug/L		06/25/26 22:18	06/30/26 21:25	1
Hexachlorocyclopentadiene	1.0	U	1.0	0.50	ug/L		06/25/26 22:18	06/30/26 21:25	1
Hexachloroethane	1.0	U	1.0	0.32	ug/L		06/25/26 22:18	06/30/26 21:25	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.085	ug/L		06/25/26 22:18	06/30/26 21:25	1
Isophorone	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 21:25	1
Naphthalene	0.19	U	0.19	0.059	ug/L		06/25/26 22:18	06/30/26 21:25	1
Nitrobenzene	2.0	U	2.0	0.50	ug/L		06/25/26 22:18	06/30/26 21:25	1
N-Nitrosodiphenylamine	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 21:25	1
N-Nitrosodi-n-propylamine	0.19	U	0.19	0.071	ug/L		06/25/26 22:18	06/30/26 21:25	1
Pentachlorophenol	5.0	U	5.0	0.85	ug/L		06/25/26 22:18	06/30/26 21:25	1
Phenanthrene	0.19	U	0.19	0.16	ug/L		06/25/26 22:18	06/30/26 21:25	1
Phenol	1.0	U	1.0	0.49	ug/L		06/25/26 22:18	06/30/26 21:25	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: SC-1 COMPOSITE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-31

Date Collected: 06/25/26 08:30

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	0.19	U	0.19	0.11	ug/L		06/25/26 22:18	06/30/26 21:25	1
N-Nitrosodimethylamine	1.0	U	1.0	0.26	ug/L		06/25/26 22:18	06/30/26 21:25	1
3,3'-Dichlorobenzidine	1.0	U	1.0	0.58	ug/L		06/25/26 22:18	06/30/26 21:25	1
Pyridine	2.0	U	2.0	1.1	ug/L		06/25/26 22:18	06/30/26 21:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	67		27 - 105	06/25/26 22:18	06/30/26 21:25	1
2-Fluorophenol (Surr)	69		16 - 111	06/25/26 22:18	06/30/26 21:25	1
2,4,6-Tribromophenol (Surr)	85		18 - 128	06/25/26 22:18	06/30/26 21:25	1
Nitrobenzene-d5 (Surr)	68		22 - 113	06/25/26 22:18	06/30/26 21:25	1
Phenol-d5 (Surr)	74		27 - 105	06/25/26 22:18	06/30/26 21:25	1
Terphenyl-d14 (Surr)	74		24 - 128	06/25/26 22:18	06/30/26 21:25	1

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	0.0013	U	0.0013	0.00034	ug/L		06/25/26 22:07	07/01/26 11:08	1
alpha-BHC (2C)	0.0024		0.0013	0.00023	ug/L		06/25/26 22:07	07/01/26 11:08	1
beta-BHC (1C)	0.0013	U	0.0013	0.00035	ug/L		06/25/26 22:07	07/01/26 11:08	1
delta-BHC (1C)	0.0013	U	0.0013	0.00062	ug/L		06/25/26 22:07	07/01/26 11:08	1
gamma-BHC (Lindane) (1C)	0.0013	U	0.0013	0.00028	ug/L		06/25/26 22:07	07/01/26 11:08	1
cis-Chlordane (1C)	0.0013	U	0.0013	0.00035	ug/L		06/25/26 22:07	07/01/26 11:08	1
trans-Chlordane (1C)	0.0013	U	0.0013	0.00090	ug/L		06/25/26 22:07	07/01/26 11:08	1
Chlordane (technical) (1C)	0.012	U	0.012	0.0070	ug/L		06/25/26 22:07	07/01/26 11:08	1
4,4'-DDD (1C)	0.0013	U	0.0013	0.00051	ug/L		06/25/26 22:07	07/01/26 11:08	1
4,4'-DDE (1C)	0.0013	U	0.0013	0.00069	ug/L		06/25/26 22:07	07/01/26 11:08	1
4,4'-DDT (1C)	0.0013	U	0.0013	0.00066	ug/L		06/25/26 22:07	07/01/26 11:08	1
Dieldrin (1C)	0.0013	U	0.0013	0.00026	ug/L		06/25/26 22:07	07/01/26 11:08	1
Endosulfan I (1C)	0.0013	U	0.0013	0.00066	ug/L		06/25/26 22:07	07/01/26 11:08	1
Endosulfan II (1C)	0.0013	U	0.0013	0.00090	ug/L		06/25/26 22:07	07/01/26 11:08	1
Endosulfan sulfate (1C)	0.0013	U	0.0013	0.00061	ug/L		06/25/26 22:07	07/01/26 11:08	1
Endrin (1C)	0.0013	U	0.0013	0.00022	ug/L		06/25/26 22:07	07/01/26 11:08	1
Endrin aldehyde (1C)	0.0013	U	0.0013	0.00050	ug/L		06/25/26 22:07	07/01/26 11:08	1
Endrin ketone (1C)	0.0013	U	0.0013	0.00096	ug/L		06/25/26 22:07	07/01/26 11:08	1
Heptachlor (1C)	0.0013	U	0.0013	0.00043	ug/L		06/25/26 22:07	07/01/26 11:08	1
Heptachlor epoxide (1C)	0.0013	U	0.0013	0.00033	ug/L		06/25/26 22:07	07/01/26 11:08	1
Methoxychlor (1C)	0.0013	U *	0.0013	0.00075	ug/L		06/25/26 22:07	07/01/26 11:08	1
Mirex (1C)	0.0013	U	0.0013	0.00045	ug/L		06/25/26 22:07	07/01/26 11:08	1
Toxaphene (1C)	0.096	U	0.096	0.047	ug/L		06/25/26 22:07	07/01/26 11:08	1
Endosulfan, Total (1C)	0.0025	U	0.0025	0.00096	ug/L		06/25/26 22:07	07/01/26 11:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr) (1C)	85		11 - 150	06/25/26 22:07	07/01/26 11:08	1
Tetrachloro-m-xylene (Surr) (2C)	83		11 - 150	06/25/26 22:07	07/01/26 11:08	1
DCB Decachlorobiphenyl (Surr) (1C)	71		17 - 142	06/25/26 22:07	07/01/26 11:08	1
DCB Decachlorobiphenyl (Surr) (2C)	78		17 - 142	06/25/26 22:07	07/01/26 11:08	1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	0.0096	U	0.0096	0.0046	ug/L		06/25/26 22:07	07/01/26 10:53	1
PCB-1221 (1C)	0.0096	U	0.0096	0.0055	ug/L		06/25/26 22:07	07/01/26 10:53	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: SC-1 COMPOSITE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-31

Date Collected: 06/25/26 08:30

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232 (1C)	0.0096	U	0.0096	0.0050	ug/L		06/25/26 22:07	07/01/26 10:53	1
PCB-1242 (1C)	0.0096	U	0.0096	0.0034	ug/L		06/25/26 22:07	07/01/26 10:53	1
PCB-1248 (1C)	0.0096	U	0.0096	0.0077	ug/L		06/25/26 22:07	07/01/26 10:53	1
PCB-1254 (1C)	0.0096	U	0.0096	0.0044	ug/L		06/25/26 22:07	07/01/26 10:53	1
PCB-1260 (1C)	0.0096	U	0.0096	0.0038	ug/L		06/25/26 22:07	07/01/26 10:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	71		23 - 133	06/25/26 22:07	07/01/26 10:53	1
DCB Decachlorobiphenyl (Surr) (2C)	81		23 - 133	06/25/26 22:07	07/01/26 10:53	1
Tetrachloro-m-xylene (Surr) (1C)	50		20 - 133	06/25/26 22:07	07/01/26 10:53	1
Tetrachloro-m-xylene (Surr) (2C)	49		20 - 133	06/25/26 22:07	07/01/26 10:53	1

Method: TAL SOP PCB - Total PCB Calculation - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.0096	U	0.0096	0.0077	ug/L			07/01/26 10:53	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	25	U	25	12	ug/L		06/30/26 15:56	07/01/26 09:25	1
Antimony	1.2		1.0	0.20	ug/L		06/30/26 15:56	07/01/26 09:25	1
Arsenic	10		2.0	0.68	ug/L		06/30/26 15:56	07/01/26 09:25	1
Barium	24		2.0	0.75	ug/L		06/30/26 15:56	07/01/26 09:25	1
Beryllium	0.17	J	0.50	0.12	ug/L		06/30/26 15:56	07/01/26 09:25	1
Cadmium	0.50	U	0.50	0.15	ug/L		06/30/26 15:56	07/01/26 09:25	1
Calcium	360000		10000	5000	ug/L		06/30/26 15:56	07/01/26 12:24	100
Chromium	0.55	J	2.0	0.55	ug/L		06/30/26 15:56	07/01/26 09:25	1
Cobalt	0.39	J	0.50	0.16	ug/L		06/30/26 15:56	07/01/26 09:25	1
Copper	1.0	U	1.0	0.85	ug/L		06/30/26 15:56	07/01/26 09:25	1
Iron	130		50	20	ug/L		06/30/26 15:56	07/01/26 09:25	1
Lead	0.22	J	0.50	0.12	ug/L		06/30/26 15:56	07/01/26 09:25	1
Magnesium	1200000		5000	1600	ug/L		06/30/26 15:56	07/01/26 12:24	100
Manganese	1400		2.0	1.2	ug/L		06/30/26 15:56	07/01/26 09:25	1
Nickel	1.1		1.0	0.40	ug/L		06/30/26 15:56	07/01/26 09:25	1
Potassium	380000		20000	6500	ug/L		06/30/26 15:56	07/01/26 12:24	100
Selenium	1.2		1.0	0.28	ug/L		06/30/26 15:56	07/01/26 09:25	1
Silver	0.50	U	0.50	0.10	ug/L		06/30/26 15:56	07/01/26 09:25	1
Sodium	10000000	^2	20000	9000	ug/L		06/30/26 15:56	07/01/26 12:24	100
Thallium	0.67		0.50	0.13	ug/L		06/30/26 15:56	07/01/26 09:25	1
Zinc	10	U	10	4.0	ug/L		06/30/26 15:56	07/01/26 09:25	1
Vanadium	2.6	J	4.0	0.79	ug/L		06/30/26 15:56	07/01/26 09:25	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.087	ug/L		06/30/26 10:46	06/30/26 17:06	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10	U	10	3.2	ug/L			07/02/26 10:30	1
Cr (VI) (SW846 EPA 7196A)	10	U	10	6.0	ug/L			06/25/26 16:42	1
Cyanide, Total (SW846 EPA 9014)	10	U	10	8.0	ug/L		06/26/26 14:36	06/27/26 12:50	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: SC-2 COMPOSITE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-32

Date Collected: 06/25/26 08:30

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L		06/25/26 22:18	06/30/26 21:48	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0	0.15	ug/L		06/25/26 22:18	06/30/26 21:48	1
1,3-Dichlorobenzene	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 21:48	1
1,4-Dichlorobenzene	1.0	U	1.0	0.24	ug/L		06/25/26 22:18	06/30/26 21:48	1
1,2-Diphenylhydrazine	1.0	U	1.0	0.20	ug/L		06/25/26 22:18	06/30/26 21:48	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.24	ug/L		06/25/26 22:18	06/30/26 21:48	1
1,4-Dioxane	2.0	U	2.0	0.63	ug/L		06/25/26 22:18	06/30/26 21:48	1
2-Chloronaphthalene	0.061	J	0.19	0.059	ug/L		06/25/26 22:18	06/30/26 21:48	1
2-Chlorophenol	1.0	U	1.0	0.23	ug/L		06/25/26 22:18	06/30/26 21:48	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0	0.33	ug/L		06/25/26 22:18	06/30/26 21:48	1
2,4-Dichlorophenol	0.19	U	0.19	0.051	ug/L		06/25/26 22:18	06/30/26 21:48	1
2,4-Dimethylphenol	1.0	U	1.0	0.59	ug/L		06/25/26 22:18	06/30/26 21:48	1
2,4-Dinitrophenol	10	U	10	3.3	ug/L		06/25/26 22:18	06/30/26 21:48	1
2,4-Dinitrotoluene	1.0	U	1.0	0.35	ug/L		06/25/26 22:18	06/30/26 21:48	1
2,6-Dinitrotoluene	1.0	U	1.0	0.17	ug/L		06/25/26 22:18	06/30/26 21:48	1
2-Methylnaphthalene	0.069	J	0.19	0.062	ug/L		06/25/26 22:18	06/30/26 21:48	1
2-Methylphenol	1.0	U	1.0	0.56	ug/L		06/25/26 22:18	06/30/26 21:48	1
Methylphenol, 3 & 4	1.0	U	1.0	0.37	ug/L		06/25/26 22:18	06/30/26 21:48	1
2-Nitroaniline	5.0	U	5.0	0.55	ug/L		06/25/26 22:18	06/30/26 21:48	1
3-Nitroaniline	5.0	U	5.0	0.44	ug/L		06/25/26 22:18	06/30/26 21:48	1
4-Nitroaniline	5.0	U	5.0	0.36	ug/L		06/25/26 22:18	06/30/26 21:48	1
2-Nitrophenol	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 21:48	1
4-Nitrophenol	5.0	U	5.0	0.94	ug/L		06/25/26 22:18	06/30/26 21:48	1
2,2'-oxybis[1-chloropropane]	0.19	U	0.19	0.12	ug/L		06/25/26 22:18	06/30/26 21:48	1
2,4,5-Trichlorophenol	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 21:48	1
2,4,6-Trichlorophenol	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 21:48	1
4-Chloro-3-methylphenol	1.0	U	1.0	0.44	ug/L		06/25/26 22:18	06/30/26 21:48	1
4-Chlorophenyl phenyl ether	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 21:48	1
Atrazine	1.0	U	1.0	0.30	ug/L		06/25/26 22:18	06/30/26 21:48	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0	1.5	ug/L		06/25/26 22:18	06/30/26 21:48	1
Benzaldehyde	1.0	U	1.0	0.54	ug/L		06/25/26 22:18	06/30/26 21:48	1
1,1'-Biphenyl	1.0	U	1.0	0.14	ug/L		06/25/26 22:18	06/30/26 21:48	1
Caprolactam	2.4	J	5.0	0.68	ug/L		06/25/26 22:18	06/30/26 21:48	1
Acenaphthene	0.079	J	0.19	0.065	ug/L		06/25/26 22:18	06/30/26 21:48	1
Acenaphthylene	0.19	U	0.19	0.065	ug/L		06/25/26 22:18	06/30/26 21:48	1
Anthracene	0.19	U	0.19	0.049	ug/L		06/25/26 22:18	06/30/26 21:48	1
Benzo[a]anthracene	0.19	U	0.19	0.075	ug/L		06/25/26 22:18	06/30/26 21:48	1
Benzo[b]fluoranthene	0.19	U	0.19	0.097	ug/L		06/25/26 22:18	06/30/26 21:48	1
Benzo[k]fluoranthene	0.19	U	0.19	0.088	ug/L		06/25/26 22:18	06/30/26 21:48	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.069	ug/L		06/25/26 22:18	06/30/26 21:48	1
Benzo[a]pyrene	0.19	U	0.19	0.13	ug/L		06/25/26 22:18	06/30/26 21:48	1
Aniline	1.0	U	1.0	0.37	ug/L		06/25/26 22:18	06/30/26 21:48	1
Bis(2-chloroethoxy)methane	1.0	U	1.0	0.15	ug/L		06/25/26 22:18	06/30/26 21:48	1
Bis(2-chloroethyl)ether	0.19	U	0.19	0.14	ug/L		06/25/26 22:18	06/30/26 21:48	1
Bis(2-ethylhexyl) phthalate	10	U	10	2.1	ug/L		06/25/26 22:18	06/30/26 21:48	1
4-Bromophenyl phenyl ether	1.0	U	1.0	0.32	ug/L		06/25/26 22:18	06/30/26 21:48	1
Butyl benzyl phthalate	1.5	J	2.0	0.94	ug/L		06/25/26 22:18	06/30/26 21:48	1
Carbazole	0.19	U	0.19	0.051	ug/L		06/25/26 22:18	06/30/26 21:48	1
4-Chloroaniline	1.0	U	1.0	0.38	ug/L		06/25/26 22:18	06/30/26 21:48	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: SC-2 COMPOSITE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-32

Date Collected: 06/25/26 08:30

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzidine	20	U	20	9.1	ug/L		06/25/26 22:18	06/30/26 21:48	1
Chrysene	0.19	U	0.19	0.081	ug/L		06/25/26 22:18	06/30/26 21:48	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.072	ug/L		06/25/26 22:18	06/30/26 21:48	1
Dibenzofuran	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 21:48	1
Di-n-butyl phthalate	1.3		1.0	0.38	ug/L		06/25/26 22:18	06/30/26 21:48	1
Benzoic acid	5.0	U	5.0	2.5	ug/L		06/25/26 22:18	06/30/26 21:48	1
Di-n-octyl phthalate	1.0	U	1.0	0.69	ug/L		06/25/26 22:18	06/30/26 21:48	1
Benzyl alcohol	5.0	U	5.0	1.7	ug/L		06/25/26 22:18	06/30/26 21:48	1
Diethyl phthalate	0.35	J	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 21:48	1
Dimethyl phthalate	2.0	U	2.0	0.20	ug/L		06/25/26 22:18	06/30/26 21:48	1
Fluoranthene	0.19	U	0.19	0.060	ug/L		06/25/26 22:18	06/30/26 21:48	1
Fluorene	0.19	U	0.19	0.069	ug/L		06/25/26 22:18	06/30/26 21:48	1
Hexachlorobenzene	0.19	U	0.19	0.056	ug/L		06/25/26 22:18	06/30/26 21:48	1
Hexachlorobutadiene	0.19	U	0.19	0.16	ug/L		06/25/26 22:18	06/30/26 21:48	1
Hexachlorocyclopentadiene	1.0	U	1.0	0.50	ug/L		06/25/26 22:18	06/30/26 21:48	1
Hexachloroethane	1.0	U	1.0	0.32	ug/L		06/25/26 22:18	06/30/26 21:48	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.085	ug/L		06/25/26 22:18	06/30/26 21:48	1
Isophorone	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 21:48	1
Naphthalene	0.19	U	0.19	0.059	ug/L		06/25/26 22:18	06/30/26 21:48	1
Nitrobenzene	2.0	U	2.0	0.50	ug/L		06/25/26 22:18	06/30/26 21:48	1
N-Nitrosodiphenylamine	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 21:48	1
N-Nitrosodi-n-propylamine	0.19	U	0.19	0.071	ug/L		06/25/26 22:18	06/30/26 21:48	1
Pentachlorophenol	5.0	U	5.0	0.85	ug/L		06/25/26 22:18	06/30/26 21:48	1
Phenanthrene	0.19	U	0.19	0.16	ug/L		06/25/26 22:18	06/30/26 21:48	1
Phenol	1.0	U	1.0	0.49	ug/L		06/25/26 22:18	06/30/26 21:48	1
Pyrene	0.19	U	0.19	0.11	ug/L		06/25/26 22:18	06/30/26 21:48	1
N-Nitrosodimethylamine	1.0	U	1.0	0.26	ug/L		06/25/26 22:18	06/30/26 21:48	1
3,3'-Dichlorobenzidine	1.0	U	1.0	0.58	ug/L		06/25/26 22:18	06/30/26 21:48	1
Pyridine	2.0	U	2.0	1.1	ug/L		06/25/26 22:18	06/30/26 21:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	66		27 - 105	06/25/26 22:18	06/30/26 21:48	1
2-Fluorophenol (Surr)	66		16 - 111	06/25/26 22:18	06/30/26 21:48	1
2,4,6-Tribromophenol (Surr)	77		18 - 128	06/25/26 22:18	06/30/26 21:48	1
Nitrobenzene-d5 (Surr)	65		22 - 113	06/25/26 22:18	06/30/26 21:48	1
Phenol-d5 (Surr)	74		27 - 105	06/25/26 22:18	06/30/26 21:48	1
Terphenyl-d14 (Surr)	68		24 - 128	06/25/26 22:18	06/30/26 21:48	1

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	0.0013	U	0.0013	0.00034	ug/L		06/25/26 22:07	07/01/26 11:27	1
alpha-BHC (1C)	0.0019	p	0.0013	0.00023	ug/L		06/25/26 22:07	07/01/26 11:27	1
beta-BHC (1C)	0.0013	U	0.0013	0.00035	ug/L		06/25/26 22:07	07/01/26 11:27	1
delta-BHC (1C)	0.0013	U	0.0013	0.00062	ug/L		06/25/26 22:07	07/01/26 11:27	1
gamma-BHC (Lindane) (1C)	0.0013	U	0.0013	0.00028	ug/L		06/25/26 22:07	07/01/26 11:27	1
cis-Chlordane (1C)	0.0013	U	0.0013	0.00035	ug/L		06/25/26 22:07	07/01/26 11:27	1
trans-Chlordane (1C)	0.0013	U	0.0013	0.00090	ug/L		06/25/26 22:07	07/01/26 11:27	1
Chlordane (technical) (1C)	0.012	U	0.012	0.0070	ug/L		06/25/26 22:07	07/01/26 11:27	1
4,4'-DDD (1C)	0.0013	U	0.0013	0.00051	ug/L		06/25/26 22:07	07/01/26 11:27	1
4,4'-DDE (1C)	0.0013	U	0.0013	0.00069	ug/L		06/25/26 22:07	07/01/26 11:27	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: SC-2 COMPOSITE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-32

Date Collected: 06/25/26 08:30

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT (1C)	0.0013	U	0.0013	0.00066	ug/L		06/25/26 22:07	07/01/26 11:27	1
Dieldrin (1C)	0.0013	U	0.0013	0.00026	ug/L		06/25/26 22:07	07/01/26 11:27	1
Endosulfan I (1C)	0.0013	U	0.0013	0.00066	ug/L		06/25/26 22:07	07/01/26 11:27	1
Endosulfan II (1C)	0.0013	U	0.0013	0.00090	ug/L		06/25/26 22:07	07/01/26 11:27	1
Endosulfan sulfate (1C)	0.0013	U	0.0013	0.00061	ug/L		06/25/26 22:07	07/01/26 11:27	1
Endrin (1C)	0.0013	U	0.0013	0.00022	ug/L		06/25/26 22:07	07/01/26 11:27	1
Endrin aldehyde (1C)	0.0013	U	0.0013	0.00050	ug/L		06/25/26 22:07	07/01/26 11:27	1
Endrin ketone (1C)	0.0013	U	0.0013	0.00096	ug/L		06/25/26 22:07	07/01/26 11:27	1
Heptachlor (1C)	0.0013	U	0.0013	0.00043	ug/L		06/25/26 22:07	07/01/26 11:27	1
Heptachlor epoxide (1C)	0.0013	U	0.0013	0.00033	ug/L		06/25/26 22:07	07/01/26 11:27	1
Methoxychlor (1C)	0.0013	U *	0.0013	0.00075	ug/L		06/25/26 22:07	07/01/26 11:27	1
Mirex (1C)	0.0013	U	0.0013	0.00045	ug/L		06/25/26 22:07	07/01/26 11:27	1
Toxaphene (1C)	0.096	U	0.096	0.047	ug/L		06/25/26 22:07	07/01/26 11:27	1
Endosulfan, Total (1C)	0.0025	U	0.0025	0.00096	ug/L		06/25/26 22:07	07/01/26 11:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr) (1C)	79		11 - 150	06/25/26 22:07	07/01/26 11:27	1
Tetrachloro-m-xylene (Surr) (2C)	83		11 - 150	06/25/26 22:07	07/01/26 11:27	1
DCB Decachlorobiphenyl (Surr) (1C)	69		17 - 142	06/25/26 22:07	07/01/26 11:27	1
DCB Decachlorobiphenyl (Surr) (2C)	76		17 - 142	06/25/26 22:07	07/01/26 11:27	1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	0.0096	U	0.0096	0.0046	ug/L		06/25/26 22:07	07/01/26 11:10	1
PCB-1221 (1C)	0.0096	U	0.0096	0.0055	ug/L		06/25/26 22:07	07/01/26 11:10	1
PCB-1232 (1C)	0.0096	U	0.0096	0.0050	ug/L		06/25/26 22:07	07/01/26 11:10	1
PCB-1242 (1C)	0.0096	U	0.0096	0.0034	ug/L		06/25/26 22:07	07/01/26 11:10	1
PCB-1248 (1C)	0.0096	U	0.0096	0.0077	ug/L		06/25/26 22:07	07/01/26 11:10	1
PCB-1254 (1C)	0.0096	U	0.0096	0.0044	ug/L		06/25/26 22:07	07/01/26 11:10	1
PCB-1260 (1C)	0.0096	U	0.0096	0.0038	ug/L		06/25/26 22:07	07/01/26 11:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	77		23 - 133	06/25/26 22:07	07/01/26 11:10	1
DCB Decachlorobiphenyl (Surr) (2C)	80		23 - 133	06/25/26 22:07	07/01/26 11:10	1
Tetrachloro-m-xylene (Surr) (1C)	49		20 - 133	06/25/26 22:07	07/01/26 11:10	1
Tetrachloro-m-xylene (Surr) (2C)	46		20 - 133	06/25/26 22:07	07/01/26 11:10	1

Method: TAL SOP PCB - Total PCB Calculation - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.0096	U	0.0096	0.0077	ug/L			07/01/26 11:10	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	25	U	25	12	ug/L		06/30/26 15:56	07/01/26 10:14	1
Antimony	1.8		1.0	0.20	ug/L		06/30/26 15:56	07/01/26 10:14	1
Arsenic	11		2.0	0.68	ug/L		06/30/26 15:56	07/01/26 10:14	1
Barium	25		2.0	0.75	ug/L		06/30/26 15:56	07/01/26 10:14	1
Beryllium	0.50	U	0.50	0.12	ug/L		06/30/26 15:56	07/01/26 10:14	1
Cadmium	0.50	U	0.50	0.15	ug/L		06/30/26 15:56	07/01/26 10:14	1
Calcium	360000		10000	5000	ug/L		06/30/26 15:56	07/01/26 12:29	100
Chromium	2.0	U	2.0	0.55	ug/L		06/30/26 15:56	07/01/26 10:14	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: SC-2 COMPOSITE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-32

Date Collected: 06/25/26 08:30

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.50	U	0.50	0.16	ug/L		06/30/26 15:56	07/01/26 10:14	1
Copper	1.0	U	1.0	0.85	ug/L		06/30/26 15:56	07/01/26 10:14	1
Iron	130		50	20	ug/L		06/30/26 15:56	07/01/26 10:14	1
Lead	0.38	J	0.50	0.12	ug/L		06/30/26 15:56	07/01/26 10:14	1
Magnesium	1200000		5000	1600	ug/L		06/30/26 15:56	07/01/26 12:29	100
Manganese	1200		2.0	1.2	ug/L		06/30/26 15:56	07/01/26 10:14	1
Nickel	0.78	J	1.0	0.40	ug/L		06/30/26 15:56	07/01/26 10:14	1
Potassium	370000		20000	6500	ug/L		06/30/26 15:56	07/01/26 12:29	100
Selenium	0.50	J	1.0	0.28	ug/L		06/30/26 15:56	07/01/26 10:14	1
Silver	0.50	U	0.50	0.10	ug/L		06/30/26 15:56	07/01/26 10:14	1
Sodium	9800000	^2	20000	9000	ug/L		06/30/26 15:56	07/01/26 12:29	100
Thallium	0.50	U	0.50	0.13	ug/L		06/30/26 15:56	07/01/26 10:14	1
Zinc	10	U	10	4.0	ug/L		06/30/26 15:56	07/01/26 10:14	1
Vanadium	3.9	J	4.0	0.79	ug/L		06/30/26 15:56	07/01/26 10:14	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.087	ug/L		06/30/26 10:46	06/30/26 17:08	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10	U	10	3.2	ug/L			07/02/26 10:30	1
Cr (VI) (SW846 EPA 7196A)	10	U	10	6.0	ug/L			06/25/26 16:44	1
Cyanide, Total (SW846 EPA 9014)	10	U	10	8.0	ug/L		06/26/26 14:36	06/27/26 12:54	1

Client Sample ID: SC-3 COMPOSITE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-33

Date Collected: 06/25/26 08:30

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L		06/25/26 22:18	06/30/26 22:11	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0	0.15	ug/L		06/25/26 22:18	06/30/26 22:11	1
1,3-Dichlorobenzene	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 22:11	1
1,4-Dichlorobenzene	1.0	U	1.0	0.24	ug/L		06/25/26 22:18	06/30/26 22:11	1
1,2-Diphenylhydrazine	1.0	U	1.0	0.20	ug/L		06/25/26 22:18	06/30/26 22:11	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.24	ug/L		06/25/26 22:18	06/30/26 22:11	1
1,4-Dioxane	2.0	U	2.0	0.63	ug/L		06/25/26 22:18	06/30/26 22:11	1
2-Chloronaphthalene	0.13	J	0.19	0.059	ug/L		06/25/26 22:18	06/30/26 22:11	1
2-Chlorophenol	1.0	U	1.0	0.23	ug/L		06/25/26 22:18	06/30/26 22:11	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0	0.33	ug/L		06/25/26 22:18	06/30/26 22:11	1
2,4-Dichlorophenol	0.19	U	0.19	0.051	ug/L		06/25/26 22:18	06/30/26 22:11	1
2,4-Dimethylphenol	1.0	U	1.0	0.59	ug/L		06/25/26 22:18	06/30/26 22:11	1
2,4-Dinitrophenol	10	U	10	3.3	ug/L		06/25/26 22:18	06/30/26 22:11	1
2,4-Dinitrotoluene	1.0	U	1.0	0.35	ug/L		06/25/26 22:18	06/30/26 22:11	1
2,6-Dinitrotoluene	1.0	U	1.0	0.17	ug/L		06/25/26 22:18	06/30/26 22:11	1
2-Methylnaphthalene	0.16	J	0.19	0.062	ug/L		06/25/26 22:18	06/30/26 22:11	1
2-Methylphenol	1.0	U	1.0	0.56	ug/L		06/25/26 22:18	06/30/26 22:11	1
Methylphenol, 3 & 4	1.0	U	1.0	0.37	ug/L		06/25/26 22:18	06/30/26 22:11	1
2-Nitroaniline	5.0	U	5.0	0.55	ug/L		06/25/26 22:18	06/30/26 22:11	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: SC-3 COMPOSITE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-33

Date Collected: 06/25/26 08:30

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	5.0	U	5.0	0.44	ug/L		06/25/26 22:18	06/30/26 22:11	1
4-Nitroaniline	5.0	U	5.0	0.36	ug/L		06/25/26 22:18	06/30/26 22:11	1
2-Nitrophenol	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 22:11	1
4-Nitrophenol	5.0	U	5.0	0.94	ug/L		06/25/26 22:18	06/30/26 22:11	1
2,2'-oxybis[1-chloropropane]	0.19	U	0.19	0.12	ug/L		06/25/26 22:18	06/30/26 22:11	1
2,4,5-Trichlorophenol	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 22:11	1
2,4,6-Trichlorophenol	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 22:11	1
4-Chloro-3-methylphenol	1.0	U	1.0	0.44	ug/L		06/25/26 22:18	06/30/26 22:11	1
4-Chlorophenyl phenyl ether	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 22:11	1
Atrazine	1.0	U	1.0	0.30	ug/L		06/25/26 22:18	06/30/26 22:11	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0	1.5	ug/L		06/25/26 22:18	06/30/26 22:11	1
Benzaldehyde	1.0	U	1.0	0.54	ug/L		06/25/26 22:18	06/30/26 22:11	1
1,1'-Biphenyl	1.0	U	1.0	0.14	ug/L		06/25/26 22:18	06/30/26 22:11	1
Caprolactam	2.9	J	5.0	0.68	ug/L		06/25/26 22:18	06/30/26 22:11	1
Acenaphthene	0.11	J	0.19	0.065	ug/L		06/25/26 22:18	06/30/26 22:11	1
Acenaphthylene	0.082	J	0.19	0.065	ug/L		06/25/26 22:18	06/30/26 22:11	1
Anthracene	0.19	U	0.19	0.049	ug/L		06/25/26 22:18	06/30/26 22:11	1
Benzo[a]anthracene	0.19	U	0.19	0.075	ug/L		06/25/26 22:18	06/30/26 22:11	1
Benzo[b]fluoranthene	0.19	U	0.19	0.097	ug/L		06/25/26 22:18	06/30/26 22:11	1
Benzo[k]fluoranthene	0.19	U	0.19	0.088	ug/L		06/25/26 22:18	06/30/26 22:11	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.069	ug/L		06/25/26 22:18	06/30/26 22:11	1
Benzo[a]pyrene	0.19	U	0.19	0.13	ug/L		06/25/26 22:18	06/30/26 22:11	1
Aniline	1.0	U	1.0	0.37	ug/L		06/25/26 22:18	06/30/26 22:11	1
Bis(2-chloroethoxy)methane	1.0	U	1.0	0.15	ug/L		06/25/26 22:18	06/30/26 22:11	1
Bis(2-chloroethyl)ether	0.19	U	0.19	0.14	ug/L		06/25/26 22:18	06/30/26 22:11	1
Bis(2-ethylhexyl) phthalate	10	U	10	2.1	ug/L		06/25/26 22:18	06/30/26 22:11	1
4-Bromophenyl phenyl ether	1.0	U	1.0	0.32	ug/L		06/25/26 22:18	06/30/26 22:11	1
Butyl benzyl phthalate	1.1	J	2.0	0.94	ug/L		06/25/26 22:18	06/30/26 22:11	1
Carbazole	0.19	U	0.19	0.051	ug/L		06/25/26 22:18	06/30/26 22:11	1
4-Chloroaniline	1.0	U	1.0	0.38	ug/L		06/25/26 22:18	06/30/26 22:11	1
Benzidine	20	U	20	9.1	ug/L		06/25/26 22:18	06/30/26 22:11	1
Chrysene	0.19	U	0.19	0.081	ug/L		06/25/26 22:18	06/30/26 22:11	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.072	ug/L		06/25/26 22:18	06/30/26 22:11	1
Dibenzofuran	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 22:11	1
Di-n-butyl phthalate	1.1		1.0	0.38	ug/L		06/25/26 22:18	06/30/26 22:11	1
Benzoic acid	5.0	U	5.0	2.5	ug/L		06/25/26 22:18	06/30/26 22:11	1
Di-n-octyl phthalate	1.0	U	1.0	0.69	ug/L		06/25/26 22:18	06/30/26 22:11	1
Benzyl alcohol	5.0	U	5.0	1.7	ug/L		06/25/26 22:18	06/30/26 22:11	1
Diethyl phthalate	0.43	J	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 22:11	1
Dimethyl phthalate	2.0	U	2.0	0.20	ug/L		06/25/26 22:18	06/30/26 22:11	1
Fluoranthene	0.19	U	0.19	0.060	ug/L		06/25/26 22:18	06/30/26 22:11	1
Fluorene	0.19	U	0.19	0.069	ug/L		06/25/26 22:18	06/30/26 22:11	1
Hexachlorobenzene	0.19	U	0.19	0.056	ug/L		06/25/26 22:18	06/30/26 22:11	1
Hexachlorobutadiene	0.19	U	0.19	0.16	ug/L		06/25/26 22:18	06/30/26 22:11	1
Hexachlorocyclopentadiene	1.0	U	1.0	0.50	ug/L		06/25/26 22:18	06/30/26 22:11	1
Hexachloroethane	1.0	U	1.0	0.32	ug/L		06/25/26 22:18	06/30/26 22:11	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.085	ug/L		06/25/26 22:18	06/30/26 22:11	1
Isophorone	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 22:11	1
Naphthalene	0.14	J	0.19	0.059	ug/L		06/25/26 22:18	06/30/26 22:11	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: SC-3 COMPOSITE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-33

Date Collected: 06/25/26 08:30

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	2.0	U	2.0	0.50	ug/L		06/25/26 22:18	06/30/26 22:11	1
N-Nitrosodiphenylamine	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 22:11	1
N-Nitrosodi-n-propylamine	0.19	U	0.19	0.071	ug/L		06/25/26 22:18	06/30/26 22:11	1
Pentachlorophenol	5.0	U	5.0	0.85	ug/L		06/25/26 22:18	06/30/26 22:11	1
Phenanthrene	0.19	U	0.19	0.16	ug/L		06/25/26 22:18	06/30/26 22:11	1
Phenol	1.0	U	1.0	0.49	ug/L		06/25/26 22:18	06/30/26 22:11	1
Pyrene	0.19	U	0.19	0.11	ug/L		06/25/26 22:18	06/30/26 22:11	1
N-Nitrosodimethylamine	1.0	U	1.0	0.26	ug/L		06/25/26 22:18	06/30/26 22:11	1
3,3'-Dichlorobenzidine	1.0	U	1.0	0.58	ug/L		06/25/26 22:18	06/30/26 22:11	1
Pyridine	2.0	U	2.0	1.1	ug/L		06/25/26 22:18	06/30/26 22:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	72		27 - 105	06/25/26 22:18	06/30/26 22:11	1
2-Fluorophenol (Surr)	79		16 - 111	06/25/26 22:18	06/30/26 22:11	1
2,4,6-Tribromophenol (Surr)	86		18 - 128	06/25/26 22:18	06/30/26 22:11	1
Nitrobenzene-d5 (Surr)	79		22 - 113	06/25/26 22:18	06/30/26 22:11	1
Phenol-d5 (Surr)	83		27 - 105	06/25/26 22:18	06/30/26 22:11	1
Terphenyl-d14 (Surr)	87		24 - 128	06/25/26 22:18	06/30/26 22:11	1

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	0.0013	U	0.0013	0.00034	ug/L		06/25/26 22:07	07/01/26 11:45	1
alpha-BHC (2C)	0.0030		0.0013	0.00023	ug/L		06/25/26 22:07	07/01/26 11:45	1
beta-BHC (1C)	0.0013	U	0.0013	0.00035	ug/L		06/25/26 22:07	07/01/26 11:45	1
delta-BHC (1C)	0.0013	U	0.0013	0.00062	ug/L		06/25/26 22:07	07/01/26 11:45	1
gamma-BHC (Lindane) (1C)	0.0013	U	0.0013	0.00028	ug/L		06/25/26 22:07	07/01/26 11:45	1
cis-Chlordane (1C)	0.0013	U	0.0013	0.00035	ug/L		06/25/26 22:07	07/01/26 11:45	1
trans-Chlordane (1C)	0.0013	U	0.0013	0.00090	ug/L		06/25/26 22:07	07/01/26 11:45	1
Chlordane (technical) (1C)	0.012	U	0.012	0.0070	ug/L		06/25/26 22:07	07/01/26 11:45	1
4,4'-DDD (1C)	0.0013	U	0.0013	0.00051	ug/L		06/25/26 22:07	07/01/26 11:45	1
4,4'-DDE (1C)	0.0013	U	0.0013	0.00069	ug/L		06/25/26 22:07	07/01/26 11:45	1
4,4'-DDT (1C)	0.0013	U	0.0013	0.00066	ug/L		06/25/26 22:07	07/01/26 11:45	1
Dieldrin (1C)	0.0013	U	0.0013	0.00026	ug/L		06/25/26 22:07	07/01/26 11:45	1
Endosulfan I (1C)	0.0013	U	0.0013	0.00066	ug/L		06/25/26 22:07	07/01/26 11:45	1
Endosulfan II (1C)	0.0013	U	0.0013	0.00090	ug/L		06/25/26 22:07	07/01/26 11:45	1
Endosulfan sulfate (1C)	0.0013	U	0.0013	0.00061	ug/L		06/25/26 22:07	07/01/26 11:45	1
Endrin (1C)	0.0013	U	0.0013	0.00022	ug/L		06/25/26 22:07	07/01/26 11:45	1
Endrin aldehyde (1C)	0.0013	U	0.0013	0.00050	ug/L		06/25/26 22:07	07/01/26 11:45	1
Endrin ketone (1C)	0.0013	U	0.0013	0.00096	ug/L		06/25/26 22:07	07/01/26 11:45	1
Heptachlor (1C)	0.0013	U	0.0013	0.00043	ug/L		06/25/26 22:07	07/01/26 11:45	1
Heptachlor epoxide (1C)	0.0013	U	0.0013	0.00033	ug/L		06/25/26 22:07	07/01/26 11:45	1
Methoxychlor (1C)	0.0013	U *	0.0013	0.00075	ug/L		06/25/26 22:07	07/01/26 11:45	1
Mirex (1C)	0.0013	U	0.0013	0.00045	ug/L		06/25/26 22:07	07/01/26 11:45	1
Toxaphene (1C)	0.096	U	0.096	0.047	ug/L		06/25/26 22:07	07/01/26 11:45	1
Endosulfan, Total (1C)	0.0025	U	0.0025	0.00096	ug/L		06/25/26 22:07	07/01/26 11:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr) (1C)	92		11 - 150	06/25/26 22:07	07/01/26 11:45	1
Tetrachloro-m-xylene (Surr) (2C)	92		11 - 150	06/25/26 22:07	07/01/26 11:45	1
DCB Decachlorobiphenyl (Surr) (1C)	76		17 - 142	06/25/26 22:07	07/01/26 11:45	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: SC-3 COMPOSITE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-33

Date Collected: 06/25/26 08:30

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC) - Dissolved (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (2C)	84		17 - 142	06/25/26 22:07	07/01/26 11:45	1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	0.0096	U	0.0096	0.0046	ug/L		06/25/26 22:07	07/01/26 11:27	1
PCB-1221 (1C)	0.0096	U	0.0096	0.0055	ug/L		06/25/26 22:07	07/01/26 11:27	1
PCB-1232 (1C)	0.0096	U	0.0096	0.0050	ug/L		06/25/26 22:07	07/01/26 11:27	1
PCB-1242 (1C)	0.0096	U	0.0096	0.0034	ug/L		06/25/26 22:07	07/01/26 11:27	1
PCB-1248 (1C)	0.0096	U	0.0096	0.0077	ug/L		06/25/26 22:07	07/01/26 11:27	1
PCB-1254 (1C)	0.0096	U	0.0096	0.0044	ug/L		06/25/26 22:07	07/01/26 11:27	1
PCB-1260 (1C)	0.0096	U	0.0096	0.0038	ug/L		06/25/26 22:07	07/01/26 11:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	88		23 - 133	06/25/26 22:07	07/01/26 11:27	1
DCB Decachlorobiphenyl (Surr) (2C)	89		23 - 133	06/25/26 22:07	07/01/26 11:27	1
Tetrachloro-m-xylene (Surr) (1C)	54		20 - 133	06/25/26 22:07	07/01/26 11:27	1
Tetrachloro-m-xylene (Surr) (2C)	51		20 - 133	06/25/26 22:07	07/01/26 11:27	1

Method: TAL SOP PCB - Total PCB Calculation - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.0096	U	0.0096	0.0077	ug/L			07/01/26 11:27	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	25	U	25	12	ug/L		06/30/26 15:56	07/01/26 10:12	1
Antimony	1.4		1.0	0.20	ug/L		06/30/26 15:56	07/01/26 10:12	1
Arsenic	6.7		2.0	0.68	ug/L		06/30/26 15:56	07/01/26 10:12	1
Barium	21		2.0	0.75	ug/L		06/30/26 15:56	07/01/26 10:12	1
Beryllium	0.50	U	0.50	0.12	ug/L		06/30/26 15:56	07/01/26 10:12	1
Cadmium	0.50	U	0.50	0.15	ug/L		06/30/26 15:56	07/01/26 10:12	1
Calcium	380000		10000	5000	ug/L		06/30/26 15:56	07/01/26 12:27	100
Chromium	2.0	U	2.0	0.55	ug/L		06/30/26 15:56	07/01/26 10:12	1
Cobalt	0.23	J	0.50	0.16	ug/L		06/30/26 15:56	07/01/26 10:12	1
Copper	1.0	U	1.0	0.85	ug/L		06/30/26 15:56	07/01/26 10:12	1
Iron	54		50	20	ug/L		06/30/26 15:56	07/01/26 10:12	1
Lead	0.18	J	0.50	0.12	ug/L		06/30/26 15:56	07/01/26 10:12	1
Magnesium	1200000		5000	1600	ug/L		06/30/26 15:56	07/01/26 12:27	100
Manganese	970		2.0	1.2	ug/L		06/30/26 15:56	07/01/26 10:12	1
Nickel	0.63	J	1.0	0.40	ug/L		06/30/26 15:56	07/01/26 10:12	1
Potassium	390000		20000	6500	ug/L		06/30/26 15:56	07/01/26 12:27	100
Selenium	0.52	J	1.0	0.28	ug/L		06/30/26 15:56	07/01/26 10:12	1
Silver	0.50	U	0.50	0.10	ug/L		06/30/26 15:56	07/01/26 10:12	1
Sodium	10000000	^2	20000	9000	ug/L		06/30/26 15:56	07/01/26 12:27	100
Thallium	0.50	U	0.50	0.13	ug/L		06/30/26 15:56	07/01/26 10:12	1
Zinc	10	U	10	4.0	ug/L		06/30/26 15:56	07/01/26 10:12	1
Vanadium	3.1	J	4.0	0.79	ug/L		06/30/26 15:56	07/01/26 10:12	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.087	ug/L		06/30/26 10:46	06/30/26 17:10	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: SC-3 COMPOSITE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-33

Date Collected: 06/25/26 08:30

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10	U	10	3.2	ug/L			07/02/26 10:30	1
Cr (VI) (SW846 EPA 7196A)	10	U	10	6.0	ug/L			06/25/26 16:46	1
Cyanide, Total (SW846 EPA 9014)	10	U	10	8.0	ug/L		06/26/26 14:36	06/27/26 12:54	1

Client Sample ID: C-4 DISCRETE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-34

Date Collected: 06/25/26 09:00

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L		06/25/26 22:18	06/30/26 22:34	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0	0.15	ug/L		06/25/26 22:18	06/30/26 22:34	1
1,3-Dichlorobenzene	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 22:34	1
1,4-Dichlorobenzene	1.0	U	1.0	0.24	ug/L		06/25/26 22:18	06/30/26 22:34	1
1,2-Diphenylhydrazine	1.0	U	1.0	0.20	ug/L		06/25/26 22:18	06/30/26 22:34	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.24	ug/L		06/25/26 22:18	06/30/26 22:34	1
1,4-Dioxane	2.0	U	2.0	0.63	ug/L		06/25/26 22:18	06/30/26 22:34	1
2-Chloronaphthalene	0.19	U	0.19	0.059	ug/L		06/25/26 22:18	06/30/26 22:34	1
2-Chlorophenol	1.0	U	1.0	0.23	ug/L		06/25/26 22:18	06/30/26 22:34	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0	0.33	ug/L		06/25/26 22:18	06/30/26 22:34	1
2,4-Dichlorophenol	0.19	U	0.19	0.051	ug/L		06/25/26 22:18	06/30/26 22:34	1
2,4-Dimethylphenol	1.0	U	1.0	0.59	ug/L		06/25/26 22:18	06/30/26 22:34	1
2,4-Dinitrophenol	10	U	10	3.3	ug/L		06/25/26 22:18	06/30/26 22:34	1
2,4-Dinitrotoluene	1.0	U	1.0	0.35	ug/L		06/25/26 22:18	06/30/26 22:34	1
2,6-Dinitrotoluene	1.0	U	1.0	0.17	ug/L		06/25/26 22:18	06/30/26 22:34	1
2-Methylnaphthalene	0.19	U	0.19	0.062	ug/L		06/25/26 22:18	06/30/26 22:34	1
2-Methylphenol	1.0	U	1.0	0.56	ug/L		06/25/26 22:18	06/30/26 22:34	1
Methylphenol, 3 & 4	1.0	U	1.0	0.37	ug/L		06/25/26 22:18	06/30/26 22:34	1
2-Nitroaniline	5.0	U	5.0	0.55	ug/L		06/25/26 22:18	06/30/26 22:34	1
3-Nitroaniline	5.0	U	5.0	0.44	ug/L		06/25/26 22:18	06/30/26 22:34	1
4-Nitroaniline	5.0	U	5.0	0.36	ug/L		06/25/26 22:18	06/30/26 22:34	1
2-Nitrophenol	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 22:34	1
4-Nitrophenol	5.0	U	5.0	0.94	ug/L		06/25/26 22:18	06/30/26 22:34	1
2,2'-oxybis[1-chloropropane]	0.19	U	0.19	0.12	ug/L		06/25/26 22:18	06/30/26 22:34	1
2,4,5-Trichlorophenol	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 22:34	1
2,4,6-Trichlorophenol	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 22:34	1
4-Chloro-3-methylphenol	1.0	U	1.0	0.44	ug/L		06/25/26 22:18	06/30/26 22:34	1
4-Chlorophenyl phenyl ether	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 22:34	1
Atrazine	1.0	U	1.0	0.30	ug/L		06/25/26 22:18	06/30/26 22:34	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0	1.5	ug/L		06/25/26 22:18	06/30/26 22:34	1
Benzaldehyde	1.0	U	1.0	0.54	ug/L		06/25/26 22:18	06/30/26 22:34	1
1,1'-Biphenyl	1.0	U	1.0	0.14	ug/L		06/25/26 22:18	06/30/26 22:34	1
Caprolactam	1.8	J	5.0	0.68	ug/L		06/25/26 22:18	06/30/26 22:34	1
Acenaphthene	0.19	U	0.19	0.065	ug/L		06/25/26 22:18	06/30/26 22:34	1
Acenaphthylene	0.19	U	0.19	0.065	ug/L		06/25/26 22:18	06/30/26 22:34	1
Anthracene	0.19	U	0.19	0.049	ug/L		06/25/26 22:18	06/30/26 22:34	1
Benzo[a]anthracene	0.19	U	0.19	0.075	ug/L		06/25/26 22:18	06/30/26 22:34	1
Benzo[b]fluoranthene	0.19	U	0.19	0.097	ug/L		06/25/26 22:18	06/30/26 22:34	1
Benzo[k]fluoranthene	0.19	U	0.19	0.088	ug/L		06/25/26 22:18	06/30/26 22:34	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.069	ug/L		06/25/26 22:18	06/30/26 22:34	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-4 DISCRETE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-34

Date Collected: 06/25/26 09:00

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	0.19	U	0.19	0.13	ug/L		06/25/26 22:18	06/30/26 22:34	1
Aniline	1.0	U	1.0	0.37	ug/L		06/25/26 22:18	06/30/26 22:34	1
Bis(2-chloroethoxy)methane	1.0	U	1.0	0.15	ug/L		06/25/26 22:18	06/30/26 22:34	1
Bis(2-chloroethyl)ether	0.19	U	0.19	0.14	ug/L		06/25/26 22:18	06/30/26 22:34	1
Bis(2-ethylhexyl) phthalate	10	U	10	2.1	ug/L		06/25/26 22:18	06/30/26 22:34	1
4-Bromophenyl phenyl ether	1.0	U	1.0	0.32	ug/L		06/25/26 22:18	06/30/26 22:34	1
Butyl benzyl phthalate	1.6	J	2.0	0.94	ug/L		06/25/26 22:18	06/30/26 22:34	1
Carbazole	0.19	U	0.19	0.051	ug/L		06/25/26 22:18	06/30/26 22:34	1
4-Chloroaniline	1.0	U	1.0	0.38	ug/L		06/25/26 22:18	06/30/26 22:34	1
Benzidine	20	U	20	9.1	ug/L		06/25/26 22:18	06/30/26 22:34	1
Chrysene	0.19	U	0.19	0.081	ug/L		06/25/26 22:18	06/30/26 22:34	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.072	ug/L		06/25/26 22:18	06/30/26 22:34	1
Dibenzofuran	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 22:34	1
Di-n-butyl phthalate	1.2		1.0	0.38	ug/L		06/25/26 22:18	06/30/26 22:34	1
Benzoic acid	5.0	U	5.0	2.5	ug/L		06/25/26 22:18	06/30/26 22:34	1
Di-n-octyl phthalate	1.0	U	1.0	0.69	ug/L		06/25/26 22:18	06/30/26 22:34	1
Benzyl alcohol	5.0	U	5.0	1.7	ug/L		06/25/26 22:18	06/30/26 22:34	1
Diethyl phthalate	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 22:34	1
Dimethyl phthalate	2.0	U	2.0	0.20	ug/L		06/25/26 22:18	06/30/26 22:34	1
Fluoranthene	0.19	U	0.19	0.060	ug/L		06/25/26 22:18	06/30/26 22:34	1
Fluorene	0.19	U	0.19	0.069	ug/L		06/25/26 22:18	06/30/26 22:34	1
Hexachlorobenzene	0.19	U	0.19	0.056	ug/L		06/25/26 22:18	06/30/26 22:34	1
Hexachlorobutadiene	0.19	U	0.19	0.16	ug/L		06/25/26 22:18	06/30/26 22:34	1
Hexachlorocyclopentadiene	1.0	U	1.0	0.50	ug/L		06/25/26 22:18	06/30/26 22:34	1
Hexachloroethane	1.0	U	1.0	0.32	ug/L		06/25/26 22:18	06/30/26 22:34	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.085	ug/L		06/25/26 22:18	06/30/26 22:34	1
Isophorone	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 22:34	1
Naphthalene	0.19	U	0.19	0.059	ug/L		06/25/26 22:18	06/30/26 22:34	1
Nitrobenzene	2.0	U	2.0	0.50	ug/L		06/25/26 22:18	06/30/26 22:34	1
N-Nitrosodiphenylamine	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 22:34	1
N-Nitrosodi-n-propylamine	0.19	U	0.19	0.071	ug/L		06/25/26 22:18	06/30/26 22:34	1
Pentachlorophenol	5.0	U	5.0	0.85	ug/L		06/25/26 22:18	06/30/26 22:34	1
Phenanthrene	0.19	U	0.19	0.16	ug/L		06/25/26 22:18	06/30/26 22:34	1
Phenol	1.0	U	1.0	0.49	ug/L		06/25/26 22:18	06/30/26 22:34	1
Pyrene	0.19	U	0.19	0.11	ug/L		06/25/26 22:18	06/30/26 22:34	1
N-Nitrosodimethylamine	1.0	U	1.0	0.26	ug/L		06/25/26 22:18	06/30/26 22:34	1
3,3'-Dichlorobenzidine	1.0	U	1.0	0.58	ug/L		06/25/26 22:18	06/30/26 22:34	1
Pyridine	2.0	U	2.0	1.1	ug/L		06/25/26 22:18	06/30/26 22:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	38		27 - 105	06/25/26 22:18	06/30/26 22:34	1
2-Fluorophenol (Surr)	43		16 - 111	06/25/26 22:18	06/30/26 22:34	1
2,4,6-Tribromophenol (Surr)	46		18 - 128	06/25/26 22:18	06/30/26 22:34	1
Nitrobenzene-d5 (Surr)	42		22 - 113	06/25/26 22:18	06/30/26 22:34	1
Phenol-d5 (Surr)	46		27 - 105	06/25/26 22:18	06/30/26 22:34	1
Terphenyl-d14 (Surr)	46		24 - 128	06/25/26 22:18	06/30/26 22:34	1

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	0.0013	U	0.0013	0.00034	ug/L		06/25/26 22:07	07/01/26 12:04	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-4 DISCRETE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-34

Date Collected: 06/25/26 09:00

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC (2C)	0.0027		0.0013	0.00023	ug/L		06/25/26 22:07	07/01/26 12:04	1
beta-BHC (1C)	0.0013	U	0.0013	0.00035	ug/L		06/25/26 22:07	07/01/26 12:04	1
delta-BHC (1C)	0.0013	U	0.0013	0.00062	ug/L		06/25/26 22:07	07/01/26 12:04	1
gamma-BHC (Lindane) (1C)	0.0013	U	0.0013	0.00028	ug/L		06/25/26 22:07	07/01/26 12:04	1
cis-Chlordane (1C)	0.0013	U	0.0013	0.00035	ug/L		06/25/26 22:07	07/01/26 12:04	1
trans-Chlordane (1C)	0.0013	U	0.0013	0.00090	ug/L		06/25/26 22:07	07/01/26 12:04	1
Chlordane (technical) (1C)	0.012	U	0.012	0.0070	ug/L		06/25/26 22:07	07/01/26 12:04	1
4,4'-DDD (1C)	0.0013	U	0.0013	0.00051	ug/L		06/25/26 22:07	07/01/26 12:04	1
4,4'-DDE (1C)	0.0013	U	0.0013	0.00069	ug/L		06/25/26 22:07	07/01/26 12:04	1
4,4'-DDT (1C)	0.0013	U	0.0013	0.00066	ug/L		06/25/26 22:07	07/01/26 12:04	1
Dieldrin (1C)	0.0013	U	0.0013	0.00026	ug/L		06/25/26 22:07	07/01/26 12:04	1
Endosulfan I (1C)	0.0013	U	0.0013	0.00066	ug/L		06/25/26 22:07	07/01/26 12:04	1
Endosulfan II (1C)	0.0013	U	0.0013	0.00090	ug/L		06/25/26 22:07	07/01/26 12:04	1
Endosulfan sulfate (1C)	0.0013	U	0.0013	0.00061	ug/L		06/25/26 22:07	07/01/26 12:04	1
Endrin (1C)	0.0013	U	0.0013	0.00022	ug/L		06/25/26 22:07	07/01/26 12:04	1
Endrin aldehyde (1C)	0.0013	U	0.0013	0.00050	ug/L		06/25/26 22:07	07/01/26 12:04	1
Endrin ketone (1C)	0.0013	U	0.0013	0.00096	ug/L		06/25/26 22:07	07/01/26 12:04	1
Heptachlor (1C)	0.0013	U	0.0013	0.00043	ug/L		06/25/26 22:07	07/01/26 12:04	1
Heptachlor epoxide (1C)	0.0013	U	0.0013	0.00033	ug/L		06/25/26 22:07	07/01/26 12:04	1
Methoxychlor (1C)	0.0013	U *	0.0013	0.00075	ug/L		06/25/26 22:07	07/01/26 12:04	1
Mirex (1C)	0.0013	U	0.0013	0.00045	ug/L		06/25/26 22:07	07/01/26 12:04	1
Toxaphene (1C)	0.096	U	0.096	0.047	ug/L		06/25/26 22:07	07/01/26 12:04	1
Endosulfan, Total (1C)	0.0025	U	0.0025	0.00096	ug/L		06/25/26 22:07	07/01/26 12:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr) (1C)	84		11 - 150	06/25/26 22:07	07/01/26 12:04	1
Tetrachloro-m-xylene (Surr) (2C)	91		11 - 150	06/25/26 22:07	07/01/26 12:04	1
DCB Decachlorobiphenyl (Surr) (1C)	73		17 - 142	06/25/26 22:07	07/01/26 12:04	1
DCB Decachlorobiphenyl (Surr) (2C)	78		17 - 142	06/25/26 22:07	07/01/26 12:04	1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	0.0096	U	0.0096	0.0046	ug/L		06/25/26 22:07	07/01/26 11:45	1
PCB-1221 (1C)	0.0096	U	0.0096	0.0055	ug/L		06/25/26 22:07	07/01/26 11:45	1
PCB-1232 (1C)	0.0096	U	0.0096	0.0050	ug/L		06/25/26 22:07	07/01/26 11:45	1
PCB-1242 (1C)	0.0096	U	0.0096	0.0034	ug/L		06/25/26 22:07	07/01/26 11:45	1
PCB-1248 (1C)	0.0096	U	0.0096	0.0077	ug/L		06/25/26 22:07	07/01/26 11:45	1
PCB-1254 (1C)	0.0096	U	0.0096	0.0044	ug/L		06/25/26 22:07	07/01/26 11:45	1
PCB-1260 (1C)	0.0096	U	0.0096	0.0038	ug/L		06/25/26 22:07	07/01/26 11:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	80		23 - 133	06/25/26 22:07	07/01/26 11:45	1
DCB Decachlorobiphenyl (Surr) (2C)	77		23 - 133	06/25/26 22:07	07/01/26 11:45	1
Tetrachloro-m-xylene (Surr) (1C)	50		20 - 133	06/25/26 22:07	07/01/26 11:45	1
Tetrachloro-m-xylene (Surr) (2C)	49		20 - 133	06/25/26 22:07	07/01/26 11:45	1

Method: TAL SOP PCB - Total PCB Calculation - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.0096	U	0.0096	0.0077	ug/L			07/01/26 11:45	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-4 DISCRETE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-34

Date Collected: 06/25/26 09:00

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	25	U	25	12	ug/L		06/30/26 15:56	07/01/26 10:16	1
Antimony	0.80	J	1.0	0.20	ug/L		06/30/26 15:56	07/01/26 10:16	1
Arsenic	3.2		2.0	0.68	ug/L		06/30/26 15:56	07/01/26 10:16	1
Barium	15		2.0	0.75	ug/L		06/30/26 15:56	07/01/26 10:16	1
Beryllium	0.50	U	0.50	0.12	ug/L		06/30/26 15:56	07/01/26 10:16	1
Cadmium	0.50	U	0.50	0.15	ug/L		06/30/26 15:56	07/01/26 10:16	1
Calcium	360000		10000	5000	ug/L		06/30/26 15:56	07/01/26 12:31	100
Chromium	2.0	U	2.0	0.55	ug/L		06/30/26 15:56	07/01/26 10:16	1
Cobalt	0.50	U	0.50	0.16	ug/L		06/30/26 15:56	07/01/26 10:16	1
Copper	1.0	U	1.0	0.85	ug/L		06/30/26 15:56	07/01/26 10:16	1
Iron	50	U	50	20	ug/L		06/30/26 15:56	07/01/26 10:16	1
Lead	0.19	J	0.50	0.12	ug/L		06/30/26 15:56	07/01/26 10:16	1
Magnesium	1100000		5000	1600	ug/L		06/30/26 15:56	07/01/26 12:31	100
Manganese	140		2.0	1.2	ug/L		06/30/26 15:56	07/01/26 10:16	1
Nickel	0.40	J	1.0	0.40	ug/L		06/30/26 15:56	07/01/26 10:16	1
Potassium	350000		20000	6500	ug/L		06/30/26 15:56	07/01/26 12:31	100
Selenium	0.35	J	1.0	0.28	ug/L		06/30/26 15:56	07/01/26 10:16	1
Silver	0.50	U	0.50	0.10	ug/L		06/30/26 15:56	07/01/26 10:16	1
Sodium	9300000	^2	20000	9000	ug/L		06/30/26 15:56	07/01/26 12:31	100
Thallium	0.50	U	0.50	0.13	ug/L		06/30/26 15:56	07/01/26 10:16	1
Zinc	10	U	10	4.0	ug/L		06/30/26 15:56	07/01/26 10:16	1
Vanadium	4.2		4.0	0.79	ug/L		06/30/26 15:56	07/01/26 10:16	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.087	ug/L		06/30/26 10:46	06/30/26 17:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10	U	10	3.2	ug/L			07/02/26 10:30	1
Cr (VI) (SW846 EPA 7196A)	10	U	10	6.0	ug/L			06/25/26 16:50	1
Cyanide, Total (SW846 EPA 9014)	10	U	10	8.0	ug/L		06/26/26 14:36	06/27/26 12:55	1

Particle Size of Soils by ASTM D422

Sample ID: C-1
Lab ID: 630-138167-A-2

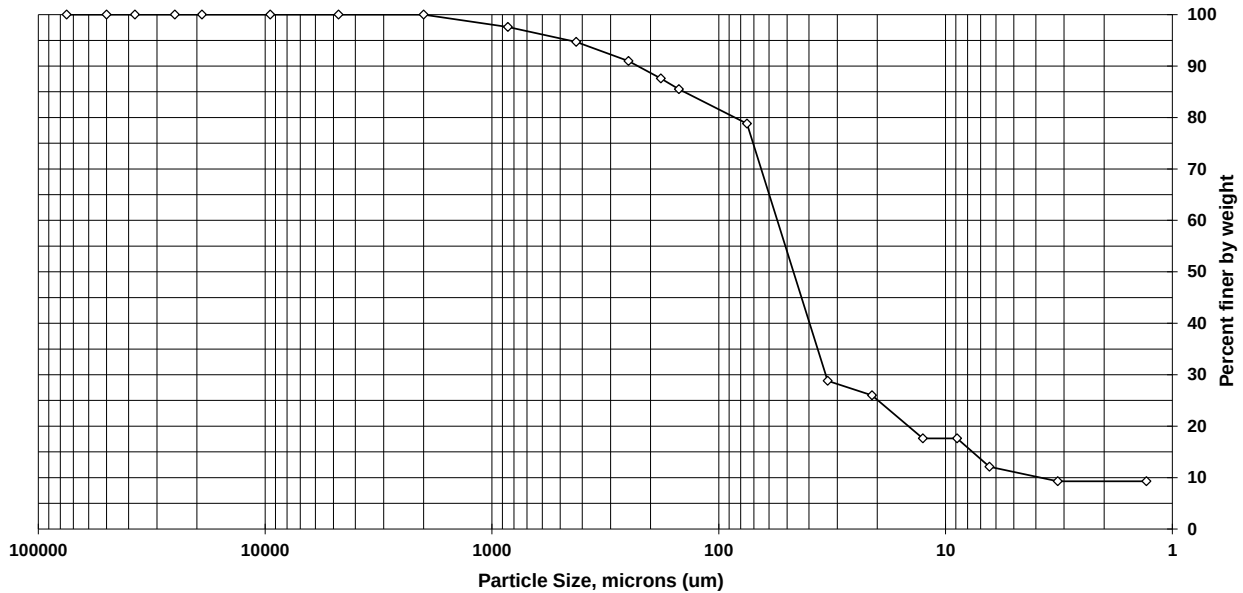
Percent Solids: 41.0%
Specific Gravity: 2.650

Date Received: 6/16/2026
Start Date: 6/26/2026
End Date: 7/2/2026

Shape (> #10): _____

Non-soil material: _____

Hardness (> #10): _____



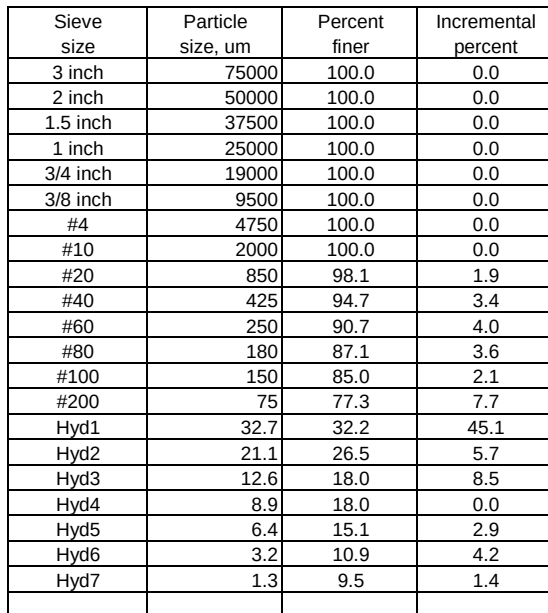
Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	97.6	2.4
#40	425	94.7	2.9
#60	250	91.0	3.7
#80	180	87.6	3.4
#100	150	85.5	2.1
#200	75	78.8	6.7
Hyd1	33.1	28.8	50.0
Hyd2	21.1	26.0	2.8
Hyd3	12.6	17.6	8.4
Hyd4	8.9	17.6	0.0
Hyd5	6.4	12.1	5.5
Hyd6	3.2	9.3	2.8
Hyd7	1.3	9.3	0.0

Soil Classification	Percent of sample
Gravel	0.0
Sand	21.2
Coarse Sand	0.0
Medium Sand	5.3
Fine Sand	15.9
Silt	66.7
Clay	12.1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Date Received:	6/16/2026
Start Date:	6/26/2026
End Date:	7/2/2026

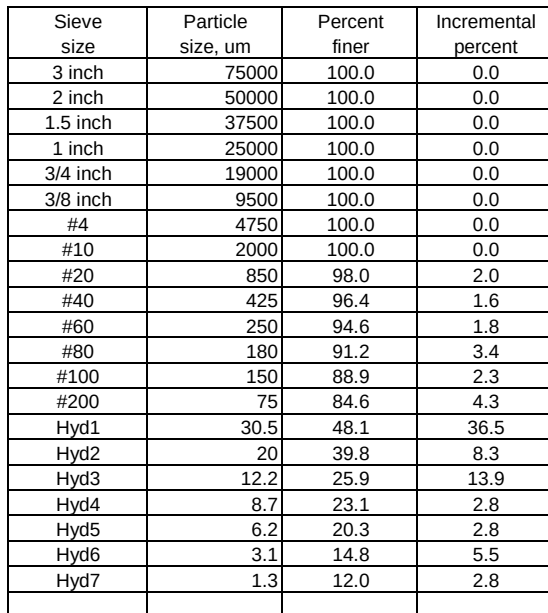
Non-soil material: _____
Hardness (> #10): _____

[illegible]

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Date Received:	6/16/2026
Start Date:	6/26/2026
End Date:	7/2/2026

Non-soil material: _____
Hardness (> #10): _____

[illegible]

Particle Size of Soils by ASTM D422

Sample ID: C-5
Lab ID: 630-138167-A-10

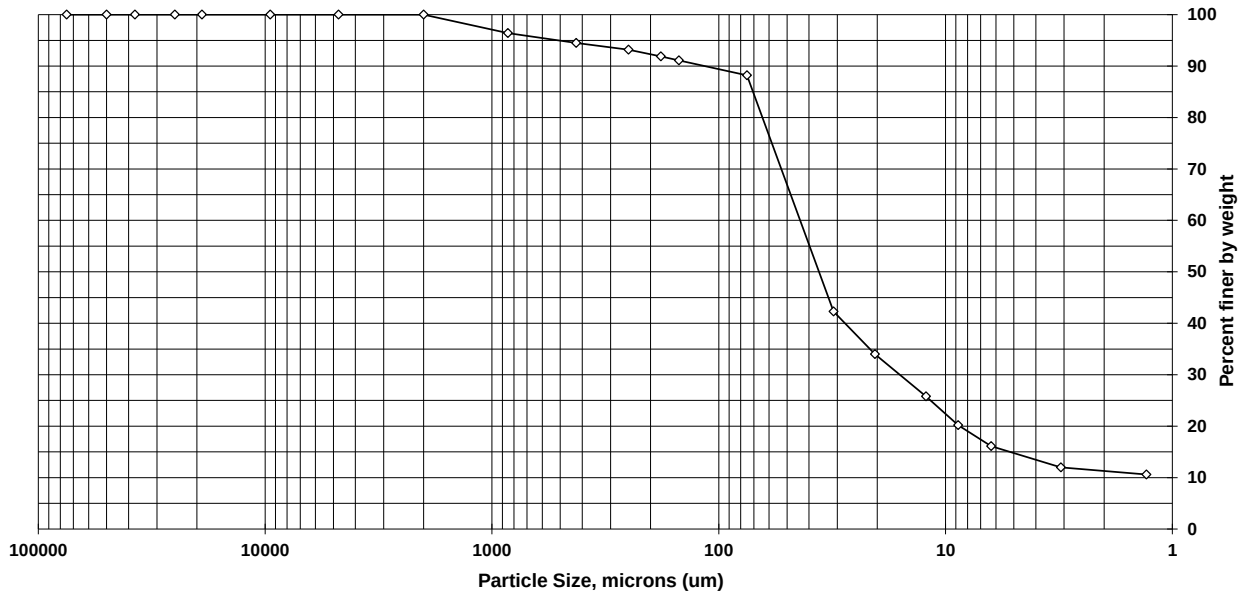
Percent Solids: 40.0%
Specific Gravity: 2.650

Date Received: 6/16/2026
Start Date: 6/26/2026
End Date: 7/2/2026

Shape (> #10):

Non-soil material:

Hardness (> #10):



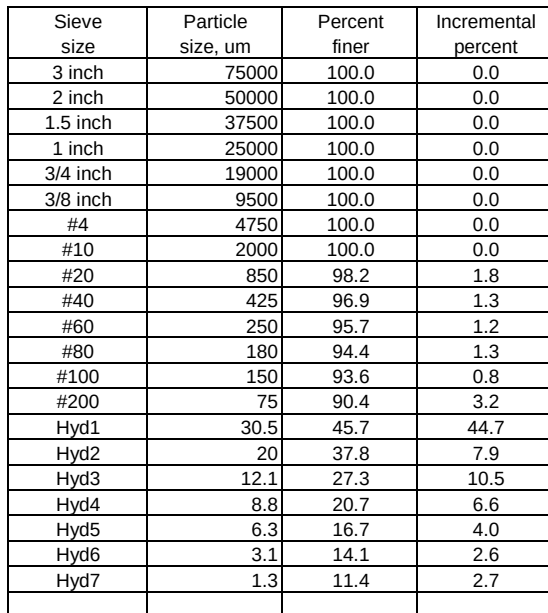
Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	96.4	3.6
#40	425	94.5	1.9
#60	250	93.2	1.3
#80	180	91.9	1.3
#100	150	91.1	0.8
#200	75	88.2	2.9
Hyd1	31.2	42.3	45.9
Hyd2	20.5	34.0	8.3
Hyd3	12.2	25.8	8.2
Hyd4	8.8	20.2	5.6
Hyd5	6.3	16.1	4.1
Hyd6	3.1	12.0	4.1
Hyd7	1.3	10.6	1.4

Soil Classification	Percent of sample
Gravel	0.0
Sand	11.8
Coarse Sand	0.0
Medium Sand	5.5
Fine Sand	6.3
Silt	72.1
Clay	16.1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Date Received:	6/16/2026
Start Date:	6/26/2026
End Date:	7/2/2026

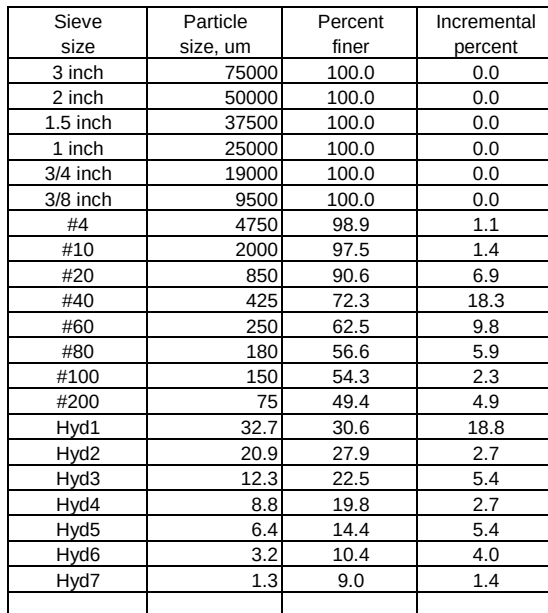
Non-soil material: _____
Hardness (> #10): _____

[illegible]

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Date Received:	6/16/2026
Start Date:	6/26/2026
End Date:	7/2/2026

Non-soil material: _____
Hardness (> #10): _____

[illegible]

Particle Size of Soils by ASTM D422

Sample ID: C-8
Lab ID: 630-138167-A-16

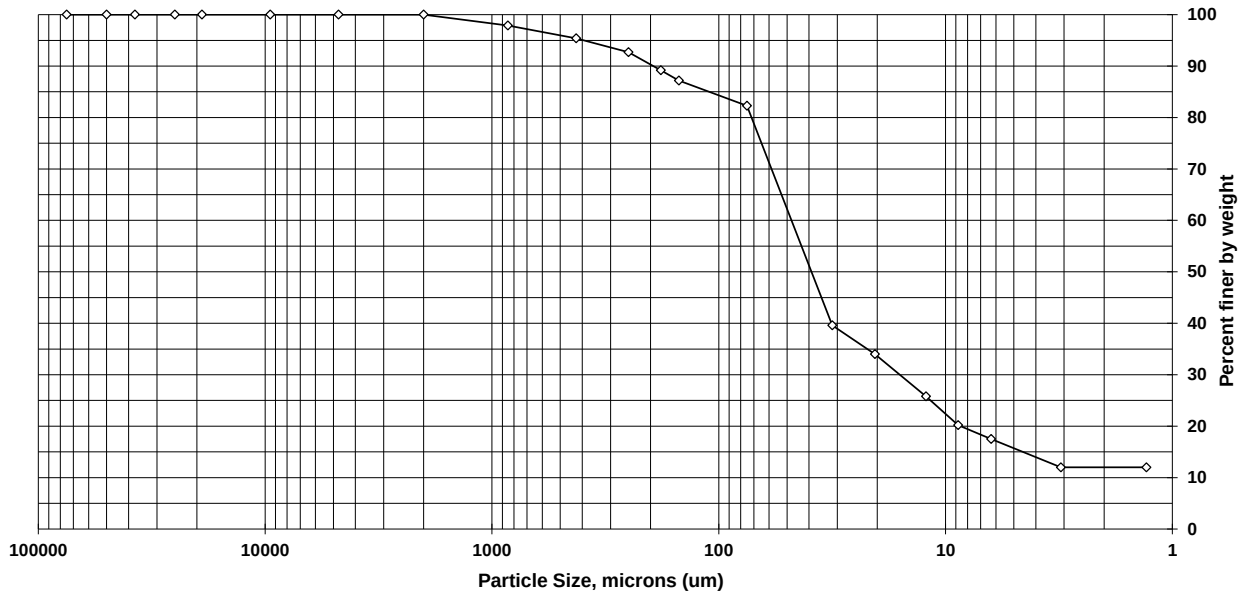
Percent Solids: 41.0%
Specific Gravity: 2.650

Date Received: 6/16/2026
Start Date: 6/26/2026
End Date: 7/2/2026

Shape (> #10):

Non-soil material:

Hardness (> #10):



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	97.9	2.1
#40	425	95.4	2.5
#60	250	92.7	2.7
#80	180	89.2	3.5
#100	150	87.2	2.0
#200	75	82.3	4.9
Hyd1	31.6	39.6	42.7
Hyd2	20.5	34.0	5.6
Hyd3	12.2	25.8	8.2
Hyd4	8.8	20.2	5.6
Hyd5	6.3	17.5	2.7
Hyd6	3.1	12.0	5.5
Hyd7	1.3	12.0	0.0

Soil Classification	Percent of sample
Gravel	0.0
Sand	17.7
Coarse Sand	0.0
Medium Sand	4.6
Fine Sand	13.1
Silt	64.8
Clay	17.5

Eurofins Lancaster Laboratories Environment Testing, LLC

Sediment Grain Size - D422

Client	
Client Sample ID	C-1
Lab Sample ID	630-138167-A-2

Date Received	6/16/2026
Start Date	06/26/2026 20:33
End Date	07/02/2026 14:15

Dry Weight Determination

Tin Weight	0.80 g
Wet Sample + Tin	6.34 g
Dry Sample + Tin	3.07 g
% Moisture	59.00 %

Non-soil material:	
Shape (> #10):	
Hardness (> #10):	

Date/Time in oven	06/30/2026 12:00
Date/Time out of oven	07/02/2026 14:11

Sample Weights

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample Weight (Wet)	0.00	140.62	140.62
Sample Weight (Oven Dried)			57.7

Sample Split (oven dried)

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample >=#10			0
Sample <#10			57.7
% Passing #10			41

Hydrometer Data

Serial Number	747874
Calib. Date (mm/dd/yyyy)	02/23/2026
Low Temp (C)	17.0
Reading at Low Temp	1.0055
High Temp (C)	23.0
Reading at High Temp	1.0045
Hydrometer Cal Slope	-0.000166667
Hydrometer Cal Intercept	1.008333333
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample	% Finer	Classification	Sub Class
3 inch	75000			0.00 g	100.0	Gravel	
2 inch	50000			0.00 g	100.0	Gravel	
1.5 inch	37500			0.00 g	100.0	Gravel	
1 inch	25000			0.00 g	100.0	Gravel	
3/4 inch	19000			0.00 g	100.0	Gravel	
3/8 inch	9500			0.00 g	100.0	Gravel	
#4	4750			0.00 g	100.0	Gravel	
#10	2000	450.90	450.90	0.00 g	100.0	Sand	Coarse
#20	850	388.10	389.51	1.41 g	97.6	Sand	Medium
#40	425	365.10	366.78	1.68 g	94.7	Sand	Medium
#60	250	347.12	349.26	2.14 g	91.0	Sand	Fine
#80	180	320.08	322.04	1.96 g	87.6	Sand	Fine
#100	150	328.38	329.59	1.21 g	85.5	Sand	Fine
#200	75	324.47	328.36	3.89 g	78.8	Sand	Fine
				0.00 g	78.8		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	57.7
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Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0150	22.0	33.1	28.8	Silt	
5	5	1.0140	22.0	21.1	26	Silt	
15	15	1.0110	22.0	12.6	17.6	Silt	
30	30	1.0110	22.0	8.9	17.6	Silt	
60	60	1.0090	22.0	6.4	12.1	Silt	
250	250	1.0080	22.0	3.2	9.28	Clay	
1440	1440	1.0080	22.0	1.3	9.28	Clay	

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Sediment Grain Size - D422

Client	
Client Sample ID	C-2
Lab Sample ID	630-138167-A-4

Date Received	6/16/2026
Start Date	06/26/2026 20:33
End Date	07/02/2026 14:16

Dry Weight Determination

Tin Weight	0.80 g
Wet Sample + Tin	6.34 g
Dry Sample + Tin	3.02 g
% Moisture	60.00 %

Non-soil material:	
Shape (> #10):	
Hardness (> #10):	

Date/Time in oven	06/30/2026 12:00
Date/Time out of oven	07/02/2026 14:06

Sample Weights

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample Weight (Wet)	0.00	141.50	141.5
Sample Weight (Oven Dried)			56.6

Sample Split (oven dried)

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample >=#10			0
Sample <#10			56.6
% Passing #10			40

Hydrometer Data

Serial Number	747874
Calib. Date (mm/dd/yyyy)	02/23/2026
Low Temp (C)	17.0
Reading at Low Temp	1.0055
High Temp (C)	23.0
Reading at High Temp	1.0045
Hydrometer Cal Slope	-0.000166667
Hydrometer Cal Intercept	1.008333333
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample	% Finer	Classification	Sub Class
3 inch	75000			0.00 g	100.0	Gravel	
2 inch	50000			0.00 g	100.0	Gravel	
1.5 inch	37500			0.00 g	100.0	Gravel	
1 inch	25000			0.00 g	100.0	Gravel	
3/4 inch	19000			0.00 g	100.0	Gravel	
3/8 inch	9500			0.00 g	100.0	Gravel	
#4	4750			0.00 g	100.0	Gravel	
#10	2000	450.90	450.90	0.00 g	100.0	Sand	Coarse
#20	850	388.10	389.16	1.06 g	98.1	Sand	Medium
#40	425	365.10	367.00	1.90 g	94.7	Sand	Medium
#60	250	347.12	349.40	2.28 g	90.7	Sand	Fine
#80	180	320.08	322.09	2.01 g	87.1	Sand	Fine
#100	150	328.38	329.58	1.20 g	85.0	Sand	Fine
#200	75	324.47	328.81	4.34 g	77.3	Sand	Fine
				0.00 g	77.3		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	56.6
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Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0160	22.0	32.7	32.2	Silt	
5	5	1.0140	22.0	21.1	26.5	Silt	
15	15	1.0110	22.0	12.6	18	Silt	
30	30	1.0110	22.0	8.9	18	Silt	
60	60	1.0100	22.0	6.4	15.1	Silt	
250	250	1.0085	22.0	3.2	10.9	Clay	
1440	1440	1.0080	22.0	1.3	9.46	Clay	

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Sediment Grain Size - D422

Client	
Client Sample ID	C-3
Lab Sample ID	630-138167-A-6

Date Received	6/16/2026
Start Date	06/26/2026 20:33
End Date	07/02/2026 14:17

Dry Weight Determination

Tin Weight	0.80 g
Wet Sample + Tin	6.34 g
Dry Sample + Tin	3.02 g
% Moisture	60.00 %

Non-soil material:	
Shape (> #10):	
Hardness (> #10):	

Date/Time in oven	06/30/2026 12:00
Date/Time out of oven	07/02/2026 14:11

Sample Weights

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample Weight (Wet)	0.00	144.68	144.68
Sample Weight (Oven Dried)			57.9

Sample Split (oven dried)

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample >=#10			0
Sample <#10			57.9
% Passing #10			40

Hydrometer Data

Serial Number	747874
Calib. Date (mm/dd/yyyy)	02/23/2026
Low Temp (C)	17.0
Reading at Low Temp	1.0055
High Temp (C)	23.0
Reading at High Temp	1.0045
Hydrometer Cal Slope	-0.000166667
Hydrometer Cal Intercept	1.008333333
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample	% Finer	Classification	Sub Class
3 inch	75000			0.00 g	100.0	Gravel	
2 inch	50000			0.00 g	100.0	Gravel	
1.5 inch	37500			0.00 g	100.0	Gravel	
1 inch	25000			0.00 g	100.0	Gravel	
3/4 inch	19000			0.00 g	100.0	Gravel	
3/8 inch	9500			0.00 g	100.0	Gravel	
#4	4750			0.00 g	100.0	Gravel	
#10	2000	490.15	490.15	0.00 g	100.0	Sand	Coarse
#20	850	388.10	389.27	1.17 g	98.0	Sand	Medium
#40	425	365.10	366.00	0.90 g	96.4	Sand	Medium
#60	250	347.12	348.19	1.07 g	94.6	Sand	Fine
#80	180	320.08	322.05	1.97 g	91.2	Sand	Fine
#100	150	328.38	329.74	1.36 g	88.9	Sand	Fine
#200	75	324.47	326.96	2.49 g	84.6	Sand	Fine
				0.00 g	84.6		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	57.9
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Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0220	22.0	30.5	48.1	Silt	
5	5	1.0190	22.0	20	39.8	Silt	
15	15	1.0140	22.0	12.2	25.9	Silt	
30	30	1.0130	22.0	8.7	23.1	Silt	
60	60	1.0120	22.0	6.2	20.3	Silt	
250	250	1.0100	22.0	3.1	14.8	Clay	
1440	1440	1.0090	22.0	1.3	12	Clay	

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Sediment Grain Size - D422

Client	
Client Sample ID	C-5
Lab Sample ID	630-138167-A-10

Date Received	6/16/2026
Start Date	06/26/2026 20:33
End Date	07/02/2026 14:25

Dry Weight Determination

Tin Weight	0.80 g
Wet Sample + Tin	6.34 g
Dry Sample + Tin	3.02 g
% Moisture	60.00 %

Non-soil material:	
Shape (> #10):	
Hardness (> #10):	

Date/Time in oven	06/30/2026 12:00
Date/Time out of oven	07/02/2026 14:23

Sample Weights

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample Weight (Wet)	0.00	145.38	145.38
Sample Weight (Oven Dried)			58.2

Sample Split (oven dried)

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample >=#10			0
Sample <#10			58.2
% Passing #10			40

Hydrometer Data

Serial Number	747874
Calib. Date (mm/dd/yyyy)	02/23/2026
Low Temp (C)	17.0
Reading at Low Temp	1.0055
High Temp (C)	23.0
Reading at High Temp	1.0045
Hydrometer Cal Slope	-0.000166667
Hydrometer Cal Intercept	1.008333333
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample	% Finer	Classification	Sub Class
3 inch	75000			0.00 g	100.0	Gravel	
2 inch	50000			0.00 g	100.0	Gravel	
1.5 inch	37500			0.00 g	100.0	Gravel	
1 inch	25000			0.00 g	100.0	Gravel	
3/4 inch	19000			0.00 g	100.0	Gravel	
3/8 inch	9500			0.00 g	100.0	Gravel	
#4	4750			0.00 g	100.0	Gravel	
#10	2000	490.15	490.15	0.00 g	100.0	Sand	Coarse
#20	850	388.10	390.22	2.12 g	96.4	Sand	Medium
#40	425	365.10	366.20	1.10 g	94.5	Sand	Medium
#60	250	347.12	347.89	0.77 g	93.2	Sand	Fine
#80	180	320.08	320.84	0.76 g	91.9	Sand	Fine
#100	150	328.38	328.87	0.49 g	91.1	Sand	Fine
#200	75	324.47	326.14	1.67 g	88.2	Sand	Fine
				0.00 g	88.2		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	58.2
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Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0200	22.0	31.2	42.3	Silt	
5	5	1.0170	22.0	20.5	34	Silt	
15	15	1.0140	22.0	12.2	25.8	Silt	
30	30	1.0120	22.0	8.8	20.2	Silt	
60	60	1.0105	22.0	6.3	16.1	Silt	
250	250	1.0090	22.0	3.1	12	Clay	
1440	1440	1.0085	22.0	1.3	10.6	Clay	

Eurofins Lancaster Laboratories Environment Testing, LLC

Sediment Grain Size - D422

Client	
Client Sample ID	C-6
Lab Sample ID	630-138167-A-12

Date Received	6/16/2026
Start Date	06/26/2026 20:33
End Date	07/02/2026 14:30

Dry Weight Determination

Tin Weight	0.80 g
Wet Sample + Tin	6.34 g
Dry Sample + Tin	3.07 g
% Moisture	59.00 %

Non-soil material:	
Shape (> #10):	
Hardness (> #10):	

Date/Time in oven	06/30/2026 12:00
Date/Time out of oven	07/02/2026 14:27

Sample Weights

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample Weight (Wet)	0.00	148.50	148.5
Sample Weight (Oven Dried)			60.9

Sample Split (oven dried)

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample >=#10			0
Sample <#10			60.9
% Passing #10			41

Hydrometer Data

Serial Number	747874
Calib. Date (mm/dd/yyyy)	02/23/2026
Low Temp (C)	17.0
Reading at Low Temp	1.0055
High Temp (C)	23.0
Reading at High Temp	1.0045
Hydrometer Cal Slope	-0.000166667
Hydrometer Cal Intercept	1.008333333
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample	% Finer	Classification	Sub Class
3 inch	75000			0.00 g	100.0	Gravel	
2 inch	50000			0.00 g	100.0	Gravel	
1.5 inch	37500			0.00 g	100.0	Gravel	
1 inch	25000			0.00 g	100.0	Gravel	
3/4 inch	19000			0.00 g	100.0	Gravel	
3/8 inch	9500			0.00 g	100.0	Gravel	
#4	4750			0.00 g	100.0	Gravel	
#10	2000	462.30	46.30	0.00 g	100.0	Sand	Coarse
#20	850	388.10	389.17	1.07 g	98.2	Sand	Medium
#40	425	365.10	365.87	0.77 g	96.9	Sand	Medium
#60	250	347.12	347.87	0.75 g	95.7	Sand	Fine
#80	180	320.08	320.85	0.77 g	94.4	Sand	Fine
#100	150	328.38	328.88	0.50 g	93.6	Sand	Fine
#200	75	324.47	326.44	1.97 g	90.4	Sand	Fine
				0.00 g	90.4		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	60.9
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Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0220	22.0	30.5	45.7	Silt	
5	5	1.0190	22.0	20	37.8	Silt	
15	15	1.0150	22.0	12.1	27.3	Silt	
30	30	1.0125	22.0	8.8	20.7	Silt	
60	60	1.0110	22.0	6.3	16.7	Silt	
250	250	1.0100	22.0	3.1	14.1	Clay	
1440	1440	1.0090	22.0	1.3	11.4	Clay	

Eurofins Lancaster Laboratories Environment Testing, LLC

Sediment Grain Size - D422

Client	
Client Sample ID	C-7
Lab Sample ID	630-138167-A-14

Date Received	6/16/2026
Start Date	06/26/2026 20:33
End Date	07/02/2026 14:34

Dry Weight Determination

Tin Weight	0.80 g
Wet Sample + Tin	6.34 g
Dry Sample + Tin	3.02 g
% Moisture	60.00 %

Non-soil material:	
Shape (> #10):	
Hardness (> #10):	

Date/Time in oven	06/30/2026 12:00
Date/Time out of oven	07/02/2026 14:28

Sample Weights

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample Weight (Wet)	0.00	148.48	148.48
Sample Weight (Oven Dried)			59.4

Sample Split (oven dried)

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample >=#10			1.49
Sample <#10			57.9
% Passing #10			39

Hydrometer Data

Serial Number	747874
Calib. Date (mm/dd/yyyy)	02/23/2026
Low Temp (C)	17.0
Reading at Low Temp	1.0055
High Temp (C)	23.0
Reading at High Temp	1.0045
Hydrometer Cal Slope	-0.000166667
Hydrometer Cal Intercept	1.008333333
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample	% Finer	Classification	Sub Class
3 inch	75000			0.00 g	100.0	Gravel	
2 inch	50000			0.00 g	100.0	Gravel	
1.5 inch	37500			0.00 g	100.0	Gravel	
1 inch	25000			0.00 g	100.0	Gravel	
3/4 inch	19000			0.00 g	100.0	Gravel	
3/8 inch	9500			0.00 g	100.0	Gravel	
#4	4750	487.42	488.10	0.68 g	98.9	Gravel	
#10	2000	462.30	463.11	0.81 g	97.5	Sand	Coarse
#20	850	388.10	392.19	4.09 g	90.6	Sand	Medium
#40	425	365.10	375.96	10.86 g	72.3	Sand	Medium
#60	250	347.12	352.92	5.80 g	62.5	Sand	Fine
#80	180	320.08	323.56	3.48 g	56.6	Sand	Fine
#100	150	328.38	329.75	1.37 g	54.3	Sand	Fine
#200	75	324.47	327.38	2.91 g	49.4	Sand	Fine
				0.00 g	49.4		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	59.4
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Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0160	22.0	32.7	30.6	Silt	
5	5	1.0150	22.0	20.9	27.9	Silt	
15	15	1.0130	22.0	12.3	22.5	Silt	
30	30	1.0120	22.0	8.8	19.8	Silt	
60	60	1.0100	22.0	6.4	14.4	Silt	
250	250	1.0085	22.0	3.2	10.4	Clay	
1440	1440	1.0080	22.0	1.3	9.01	Clay	

Eurofins Lancaster Laboratories Environment Testing, LLC

Sediment Grain Size - D422

Client	
Client Sample ID	C-8
Lab Sample ID	630-138167-A-16

Date Received	6/16/2026
Start Date	06/26/2026 20:33
End Date	07/02/2026 14:38

Dry Weight Determination

Tin Weight	0.80 g
Wet Sample + Tin	6.34 g
Dry Sample + Tin	3.07 g
% Moisture	59.00 %

Non-soil material:	
Shape (> #10):	
Hardness (> #10):	

Date/Time in oven	06/30/2026 12:00
Date/Time out of oven	07/02/2026 14:37

Sample Weights

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample Weight (Wet)	0.00	141.92	141.92
Sample Weight (Oven Dried)			58.2

Sample Split (oven dried)

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample >=#10			0
Sample <#10			58.2
% Passing #10			41

Hydrometer Data

Serial Number	747874
Calib. Date (mm/dd/yyyy)	02/23/2026
Low Temp (C)	17.0
Reading at Low Temp	1.0055
High Temp (C)	23.0
Reading at High Temp	1.0045
Hydrometer Cal Slope	-0.000166667
Hydrometer Cal Intercept	1.008333333
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample	% Finer	Classification	Sub Class
3 inch	75000			0.00 g	100.0	Gravel	
2 inch	50000			0.00 g	100.0	Gravel	
1.5 inch	37500			0.00 g	100.0	Gravel	
1 inch	25000			0.00 g	100.0	Gravel	
3/4 inch	19000			0.00 g	100.0	Gravel	
3/8 inch	9500			0.00 g	100.0	Gravel	
#4	4750			0.00 g	100.0	Gravel	
#10	2000	490.15	490.15	0.00 g	100.0	Sand	Coarse
#20	850	388.10	389.33	1.23 g	97.9	Sand	Medium
#40	425	365.10	366.58	1.48 g	95.4	Sand	Medium
#60	250	347.12	348.69	1.57 g	92.7	Sand	Fine
#80	180	320.08	322.11	2.03 g	89.2	Sand	Fine
#100	150	328.38	329.53	1.15 g	87.2	Sand	Fine
#200	75	324.47	327.33	2.86 g	82.3	Sand	Fine
				0.00 g	82.3		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	58.2
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Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0190	22.0	31.6	39.6	Silt	
5	5	1.0170	22.0	20.5	34	Silt	
15	15	1.0140	22.0	12.2	25.8	Silt	
30	30	1.0120	22.0	8.8	20.2	Silt	
60	60	1.0110	22.0	6.3	17.5	Silt	
250	250	1.0090	22.0	3.1	12	Clay	
1440	1440	1.0090	22.0	1.3	12	Clay	

Surrogate Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Matrix: MET, Dissolved

Prep Type: Dissolved

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (27-105)	2FP (16-111)	TBP (18-128)	NBZ (22-113)	PHL (27-105)	TPHL (24-128)
630-138167-31	SC-1 COMPOSITE ELUTRIATE DIS	67	69	85	68	74	74
630-138167-32	SC-2 COMPOSITE ELUTRIATE DISSOLVED	66	66	77	65	74	68
630-138167-33	SC-3 COMPOSITE ELUTRIATE DISSOLVED	72	79	86	79	83	87
630-138167-34	C-4 DISCRETE ELUTRIATE DISSOLVED	38	43	46	42	46	46
Surrogate Legend							
FBP = 2-Fluorobiphenyl (Surr)							
2FP = 2-Fluorophenol (Surr)							
TBP = 2,4,6-Tribromophenol (Surr)							
NBZ = Nitrobenzene-d5 (Surr)							
PHL = Phenol-d5 (Surr)							
TPHL = Terphenyl-d14 (Surr)							

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (27-105)	2FP (16-111)	TBP (18-128)	NBZ (22-113)	PHL (27-105)	TPHL (24-128)
LCS 180-515477/2-A	Lab Control Sample	66	79	73	73	77	67
MB 180-515477/1-A	Method Blank	85	91	90	88	91	90
Surrogate Legend							
FBP = 2-Fluorobiphenyl (Surr)							
2FP = 2-Fluorophenol (Surr)							
TBP = 2,4,6-Tribromophenol (Surr)							
NBZ = Nitrobenzene-d5 (Surr)							
PHL = Phenol-d5 (Surr)							
TPHL = Terphenyl-d14 (Surr)							

Method: EPA 8081B LL - Organochlorine Pesticides (GC)

Matrix: MET, Dissolved

Prep Type: Dissolved

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (11-150)	TCX2 (11-150)	DCB1 (17-142)	DCB2 (17-142)
630-138167-31	SC-1 COMPOSITE ELUTRIATE DIS	85	83	71	78
630-138167-32	SC-2 COMPOSITE ELUTRIATE DISSOLVED	79	83	69	76
630-138167-33	SC-3 COMPOSITE ELUTRIATE DISSOLVED	92	92	76	84
630-138167-34	C-4 DISCRETE ELUTRIATE DISSOLVED	84	91	73	78
Surrogate Legend					
TCX = Tetrachloro-m-xylene (Surr)					
DCB = DCB Decachlorobiphenyl (Surr)					

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Surrogate Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Method: EPA 8081B LL - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (11-150)	TCX2 (11-150)	DCB1 (17-142)	DCB2 (17-142)
LCS 180-515476/4-A	Lab Control Sample	91	92	79	81
LCSD 180-515476/5-A	Lab Control Sample Dup	95	95	85	88
MB 180-515476/1-A	Method Blank	96	97	79	83
Surrogate Legend					
TCX = Tetrachloro-m-xylene (Surr)					
DCB = DCB Decachlorobiphenyl (Surr)					

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: MET, Dissolved

Prep Type: Dissolved

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCB1 (23-133)	DCB2 (23-133)	TCX1 (20-133)	TCX2 (20-133)
630-138167-31	SC-1 COMPOSITE ELUTRIATE DIS	71	81	50	49
630-138167-32	SC-2 COMPOSITE ELUTRIATE DISSOLVED	77	80	49	46
630-138167-33	SC-3 COMPOSITE ELUTRIATE DISSOLVED	88	89	54	51
630-138167-34	C-4 DISCRETE ELUTRIATE DISSOLVED	80	77	50	49
Surrogate Legend					
DCB = DCB Decachlorobiphenyl (Surr)					
TCX = Tetrachloro-m-xylene (Surr)					

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCB1 (23-133)	DCB2 (23-133)	TCX1 (20-133)	TCX2 (20-133)
LCS 180-515476/2-A	Lab Control Sample	88	85	59	58
LCSD 180-515476/3-A	Lab Control Sample Dup	91	86	60	58
MB 180-515476/1-A	Method Blank	97	95	65	63
Surrogate Legend					
DCB = DCB Decachlorobiphenyl (Surr)					
TCX = Tetrachloro-m-xylene (Surr)					

QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-515477/1-A

Matrix: Water

Analysis Batch: 515605

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 515477

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L		06/25/26 22:18	06/30/26 12:57	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0	0.15	ug/L		06/25/26 22:18	06/30/26 12:57	1
1,3-Dichlorobenzene	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 12:57	1
1,4-Dichlorobenzene	1.0	U	1.0	0.24	ug/L		06/25/26 22:18	06/30/26 12:57	1
1,2-Diphenylhydrazine	1.0	U	1.0	0.20	ug/L		06/25/26 22:18	06/30/26 12:57	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.24	ug/L		06/25/26 22:18	06/30/26 12:57	1
1,4-Dioxane	2.0	U	2.0	0.63	ug/L		06/25/26 22:18	06/30/26 12:57	1
2-Chloronaphthalene	0.19	U	0.19	0.059	ug/L		06/25/26 22:18	06/30/26 12:57	1
2-Chlorophenol	1.0	U	1.0	0.23	ug/L		06/25/26 22:18	06/30/26 12:57	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0	0.33	ug/L		06/25/26 22:18	06/30/26 12:57	1
2,4-Dichlorophenol	0.19	U	0.19	0.051	ug/L		06/25/26 22:18	06/30/26 12:57	1
2,4-Dimethylphenol	1.0	U	1.0	0.59	ug/L		06/25/26 22:18	06/30/26 12:57	1
2,4-Dinitrophenol	10	U	10	3.3	ug/L		06/25/26 22:18	06/30/26 12:57	1
2,4-Dinitrotoluene	1.0	U	1.0	0.35	ug/L		06/25/26 22:18	06/30/26 12:57	1
2,6-Dinitrotoluene	1.0	U	1.0	0.17	ug/L		06/25/26 22:18	06/30/26 12:57	1
2-Methylnaphthalene	0.19	U	0.19	0.062	ug/L		06/25/26 22:18	06/30/26 12:57	1
2-Methylphenol	1.0	U	1.0	0.56	ug/L		06/25/26 22:18	06/30/26 12:57	1
Methylphenol, 3 & 4	1.0	U	1.0	0.37	ug/L		06/25/26 22:18	06/30/26 12:57	1
2-Nitroaniline	5.0	U	5.0	0.55	ug/L		06/25/26 22:18	06/30/26 12:57	1
3-Nitroaniline	5.0	U	5.0	0.44	ug/L		06/25/26 22:18	06/30/26 12:57	1
4-Nitroaniline	5.0	U	5.0	0.36	ug/L		06/25/26 22:18	06/30/26 12:57	1
2-Nitrophenol	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 12:57	1
4-Nitrophenol	5.0	U	5.0	0.94	ug/L		06/25/26 22:18	06/30/26 12:57	1
2,2'-oxybis[1-chloropropane]	0.19	U	0.19	0.12	ug/L		06/25/26 22:18	06/30/26 12:57	1
2,4,5-Trichlorophenol	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 12:57	1
2,4,6-Trichlorophenol	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 12:57	1
4-Chloro-3-methylphenol	1.0	U	1.0	0.44	ug/L		06/25/26 22:18	06/30/26 12:57	1
4-Chlorophenyl phenyl ether	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 12:57	1
Atrazine	1.0	U	1.0	0.30	ug/L		06/25/26 22:18	06/30/26 12:57	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0	1.5	ug/L		06/25/26 22:18	06/30/26 12:57	1
Benzaldehyde	1.0	U	1.0	0.54	ug/L		06/25/26 22:18	06/30/26 12:57	1
1,1'-Biphenyl	1.0	U	1.0	0.14	ug/L		06/25/26 22:18	06/30/26 12:57	1
Caprolactam	5.0	U	5.0	0.68	ug/L		06/25/26 22:18	06/30/26 12:57	1
Acenaphthene	0.19	U	0.19	0.065	ug/L		06/25/26 22:18	06/30/26 12:57	1
Acenaphthylene	0.19	U	0.19	0.065	ug/L		06/25/26 22:18	06/30/26 12:57	1
Anthracene	0.19	U	0.19	0.049	ug/L		06/25/26 22:18	06/30/26 12:57	1
Benzo[a]anthracene	0.19	U	0.19	0.075	ug/L		06/25/26 22:18	06/30/26 12:57	1
Benzo[b]fluoranthene	0.19	U	0.19	0.097	ug/L		06/25/26 22:18	06/30/26 12:57	1
Benzo[k]fluoranthene	0.19	U	0.19	0.088	ug/L		06/25/26 22:18	06/30/26 12:57	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.069	ug/L		06/25/26 22:18	06/30/26 12:57	1
Benzo[a]pyrene	0.19	U	0.19	0.13	ug/L		06/25/26 22:18	06/30/26 12:57	1
Aniline	1.0	U	1.0	0.37	ug/L		06/25/26 22:18	06/30/26 12:57	1
Bis(2-chloroethoxy)methane	1.0	U	1.0	0.15	ug/L		06/25/26 22:18	06/30/26 12:57	1
Bis(2-chloroethyl)ether	0.19	U	0.19	0.14	ug/L		06/25/26 22:18	06/30/26 12:57	1
Bis(2-ethylhexyl) phthalate	10	U	10	2.1	ug/L		06/25/26 22:18	06/30/26 12:57	1
4-Bromophenyl phenyl ether	1.0	U	1.0	0.32	ug/L		06/25/26 22:18	06/30/26 12:57	1
Butyl benzyl phthalate	2.0	U	2.0	0.94	ug/L		06/25/26 22:18	06/30/26 12:57	1
Carbazole	0.19	U	0.19	0.051	ug/L		06/25/26 22:18	06/30/26 12:57	1

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-515477/1-A

Matrix: Water

Analysis Batch: 515605

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 515477

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	1.0	U	1.0	0.38	ug/L		06/25/26 22:18	06/30/26 12:57	1
Benzidine	20	U	20	9.1	ug/L		06/25/26 22:18	06/30/26 12:57	1
Chrysene	0.19	U	0.19	0.081	ug/L		06/25/26 22:18	06/30/26 12:57	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.072	ug/L		06/25/26 22:18	06/30/26 12:57	1
Dibenzofuran	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 12:57	1
Di-n-butyl phthalate	1.0	U	1.0	0.38	ug/L		06/25/26 22:18	06/30/26 12:57	1
Benzoic acid	5.0	U	5.0	2.5	ug/L		06/25/26 22:18	06/30/26 12:57	1
Di-n-octyl phthalate	1.0	U	1.0	0.69	ug/L		06/25/26 22:18	06/30/26 12:57	1
Benzyl alcohol	5.0	U	5.0	1.7	ug/L		06/25/26 22:18	06/30/26 12:57	1
Diethyl phthalate	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 12:57	1
Dimethyl phthalate	2.0	U	2.0	0.20	ug/L		06/25/26 22:18	06/30/26 12:57	1
Fluoranthene	0.19	U	0.19	0.060	ug/L		06/25/26 22:18	06/30/26 12:57	1
Fluorene	0.19	U	0.19	0.069	ug/L		06/25/26 22:18	06/30/26 12:57	1
Hexachlorobenzene	0.19	U	0.19	0.056	ug/L		06/25/26 22:18	06/30/26 12:57	1
Hexachlorobutadiene	0.19	U	0.19	0.16	ug/L		06/25/26 22:18	06/30/26 12:57	1
Hexachlorocyclopentadiene	1.0	U	1.0	0.50	ug/L		06/25/26 22:18	06/30/26 12:57	1
Hexachloroethane	1.0	U	1.0	0.32	ug/L		06/25/26 22:18	06/30/26 12:57	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.085	ug/L		06/25/26 22:18	06/30/26 12:57	1
Isophorone	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 12:57	1
Naphthalene	0.19	U	0.19	0.059	ug/L		06/25/26 22:18	06/30/26 12:57	1
Nitrobenzene	2.0	U	2.0	0.50	ug/L		06/25/26 22:18	06/30/26 12:57	1
N-Nitrosodiphenylamine	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 12:57	1
N-Nitrosodi-n-propylamine	0.19	U	0.19	0.071	ug/L		06/25/26 22:18	06/30/26 12:57	1
Pentachlorophenol	5.0	U	5.0	0.85	ug/L		06/25/26 22:18	06/30/26 12:57	1
Phenanthrene	0.19	U	0.19	0.16	ug/L		06/25/26 22:18	06/30/26 12:57	1
Phenol	1.0	U	1.0	0.49	ug/L		06/25/26 22:18	06/30/26 12:57	1
Pyrene	0.19	U	0.19	0.11	ug/L		06/25/26 22:18	06/30/26 12:57	1
N-Nitrosodimethylamine	1.0	U	1.0	0.26	ug/L		06/25/26 22:18	06/30/26 12:57	1
3,3'-Dichlorobenzidine	1.0	U	1.0	0.58	ug/L		06/25/26 22:18	06/30/26 12:57	1
Pyridine	2.0	U	2.0	1.1	ug/L		06/25/26 22:18	06/30/26 12:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	85		27 - 105	06/25/26 22:18	06/30/26 12:57	1
2-Fluorophenol (Surr)	91		16 - 111	06/25/26 22:18	06/30/26 12:57	1
2,4,6-Tribromophenol (Surr)	90		18 - 128	06/25/26 22:18	06/30/26 12:57	1
Nitrobenzene-d5 (Surr)	88		22 - 113	06/25/26 22:18	06/30/26 12:57	1
Phenol-d5 (Surr)	91		27 - 105	06/25/26 22:18	06/30/26 12:57	1
Terphenyl-d14 (Surr)	90		24 - 128	06/25/26 22:18	06/30/26 12:57	1

Lab Sample ID: LCS 180-515477/2-A

Matrix: Water

Analysis Batch: 515605

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515477

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichlorobenzene	20.0	14.0		ug/L		70	51 - 100
1,2,4,5-Tetrachlorobenzene	20.0	13.0		ug/L		65	54 - 100
1,3-Dichlorobenzene	20.0	13.9		ug/L		70	51 - 100
1,4-Dichlorobenzene	20.0	14.0		ug/L		70	50 - 100

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-515477/2-A

Matrix: Water

Analysis Batch: 515605

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515477

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Diphenylhydrazine	20.0	14.9		ug/L		75	38 - 100
1,2,4-Trichlorobenzene	20.0	13.6		ug/L		68	51 - 100
1,4-Dioxane	20.0	14.2		ug/L		71	39 - 111
2-Chloronaphthalene	20.0	13.1		ug/L		66	45 - 100
2-Chlorophenol	20.0	15.1		ug/L		76	53 - 100
2,3,4,6-Tetrachlorophenol	20.0	13.6		ug/L		68	54 - 100
2,4-Dichlorophenol	20.0	14.3		ug/L		71	55 - 100
2,4-Dimethylphenol	20.0	14.6		ug/L		73	51 - 100
2,4-Dinitrophenol	40.0	27.2		ug/L		68	32 - 111
2,4-Dinitrotoluene	20.0	15.0		ug/L		75	52 - 100
2,6-Dinitrotoluene	20.0	13.4		ug/L		67	49 - 101
2-Methylnaphthalene	20.0	13.7		ug/L		69	48 - 100
2-Methylphenol	20.0	15.5		ug/L		77	51 - 100
Methylphenol, 3 & 4	20.0	15.3		ug/L		77	51 - 100
2-Nitroaniline	20.0	15.5		ug/L		77	47 - 104
3-Nitroaniline	20.0	15.0		ug/L		75	49 - 100
4-Nitroaniline	20.0	15.2		ug/L		76	47 - 100
2-Nitrophenol	20.0	14.9		ug/L		74	56 - 100
4-Nitrophenol	40.0	29.8		ug/L		74	43 - 113
2,2'-oxybis[1-chloropropane]	20.0	16.2		ug/L		81	33 - 102
2,4,5-Trichlorophenol	20.0	14.1		ug/L		70	55 - 100
2,4,6-Trichlorophenol	20.0	14.3		ug/L		71	54 - 100
4-Chloro-3-methylphenol	20.0	14.7		ug/L		73	53 - 100
4-Chlorophenyl phenyl ether	20.0	13.7		ug/L		68	48 - 100
Atrazine	20.0	14.5		ug/L		72	54 - 100
4,6-Dinitro-2-methylphenol	40.0	29.4		ug/L		73	48 - 100
Benzaldehyde	20.0	10.8		ug/L		54	15 - 100
1,1'-Biphenyl	20.0	13.3		ug/L		67	47 - 100
Caprolactam	20.0	18.3		ug/L		92	46 - 105
Acenaphthene	20.0	13.2		ug/L		66	51 - 100
Acenaphthylene	20.0	13.2		ug/L		66	50 - 100
Anthracene	20.0	13.8		ug/L		69	49 - 100
Benzo[a]anthracene	20.0	13.3		ug/L		66	52 - 100
Benzo[b]fluoranthene	20.0	12.9		ug/L		65	50 - 100
Benzo[k]fluoranthene	20.0	13.2		ug/L		66	42 - 100
Benzo[g,h,i]perylene	20.0	13.0		ug/L		65	45 - 100
Benzo[a]pyrene	20.0	13.4		ug/L		67	47 - 100
Aniline	20.0	14.9		ug/L		74	42 - 100
Bis(2-chloroethoxy)methane	20.0	12.6		ug/L		63	36 - 100
Bis(2-chloroethyl)ether	20.0	15.4		ug/L		77	42 - 100
Bis(2-ethylhexyl) phthalate	20.0	14.2		ug/L		71	42 - 108
4-Bromophenyl phenyl ether	20.0	13.7		ug/L		68	50 - 100
Butyl benzyl phthalate	20.0	14.0		ug/L		70	44 - 106
Carbazole	20.0	14.3		ug/L		71	47 - 100
4-Chloroaniline	20.0	14.3		ug/L		72	48 - 100
Benzidine	20.0	9.90	J	ug/L		50	31 - 115
Chrysene	20.0	13.1		ug/L		66	44 - 100
Dibenz(a,h)anthracene	20.0	13.7		ug/L		68	52 - 101
Dibenzofuran	20.0	13.3		ug/L		67	47 - 100

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-515477/2-A

Matrix: Water

Analysis Batch: 515605

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515477

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Di-n-butyl phthalate	20.0	14.7		ug/L		73	50 - 100
Benzoic acid	20.0	16.5		ug/L		83	43 - 114
Di-n-octyl phthalate	20.0	13.7		ug/L		69	21 - 130
Benzyl alcohol	20.0	15.6		ug/L		78	33 - 107
Diethyl phthalate	20.0	14.0		ug/L		70	52 - 100
Dimethyl phthalate	20.0	13.8		ug/L		69	51 - 100
Fluoranthene	20.0	14.1		ug/L		70	50 - 100
Fluorene	20.0	13.2		ug/L		66	49 - 100
Hexachlorobenzene	20.0	13.6		ug/L		68	46 - 100
Hexachlorobutadiene	20.0	13.7		ug/L		69	46 - 101
Hexachlorocyclopentadiene	20.0	12.5		ug/L		63	24 - 113
Hexachloroethane	20.0	14.7		ug/L		73	46 - 100
Indeno[1,2,3-cd]pyrene	20.0	14.1		ug/L		70	48 - 100
Isophorone	20.0	15.0		ug/L		75	42 - 100
Naphthalene	20.0	13.3		ug/L		67	53 - 100
Nitrobenzene	20.0	14.5		ug/L		73	47 - 100
N-Nitrosodiphenylamine	20.0	14.3		ug/L		71	48 - 100
N-Nitrosodi-n-propylamine	20.0	15.5		ug/L		78	47 - 103
Pentachlorophenol	40.0	26.9		ug/L		67	42 - 102
Phenanthrene	20.0	13.8		ug/L		69	47 - 100
Phenol	20.0	15.1		ug/L		75	41 - 100
Pyrene	20.0	13.3		ug/L		66	46 - 100
N-Nitrosodimethylamine	20.0	16.1		ug/L		81	44 - 123
3,3'-Dichlorobenzidine	20.0	13.5		ug/L		68	42 - 100
Pyridine	40.0	29.4		ug/L		73	24 - 127

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	66		27 - 105
2-Fluorophenol (Surr)	79		16 - 111
2,4,6-Tribromophenol (Surr)	73		18 - 128
Nitrobenzene-d5 (Surr)	73		22 - 113
Phenol-d5 (Surr)	77		27 - 105
Terphenyl-d14 (Surr)	67		24 - 128

Method: EPA 8081B LL - Organochlorine Pesticides (GC)

Lab Sample ID: MB 180-515476/1-A

Matrix: Water

Analysis Batch: 515650

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 515476

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin (1C)	0.0013	U	0.0013	0.00036	ug/L		06/25/26 22:07	07/01/26 08:59	1
alpha-BHC (1C)	0.0013	U	0.0013	0.00024	ug/L		06/25/26 22:07	07/01/26 08:59	1
beta-BHC (1C)	0.0013	U	0.0013	0.00037	ug/L		06/25/26 22:07	07/01/26 08:59	1
delta-BHC (1C)	0.0013	U	0.0013	0.00064	ug/L		06/25/26 22:07	07/01/26 08:59	1
gamma-BHC (Lindane) (1C)	0.0013	U	0.0013	0.00029	ug/L		06/25/26 22:07	07/01/26 08:59	1
cis-Chlordane (1C)	0.0013	U	0.0013	0.00037	ug/L		06/25/26 22:07	07/01/26 08:59	1
trans-Chlordane (1C)	0.0013	U	0.0013	0.00093	ug/L		06/25/26 22:07	07/01/26 08:59	1
Chlordane (technical) (1C)	0.013	U	0.013	0.0073	ug/L		06/25/26 22:07	07/01/26 08:59	1

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Method: EPA 8081B LL - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 180-515476/1-A

Matrix: Water

Analysis Batch: 515650

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 515476

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD (1C)	0.0013	U	0.0013	0.00053	ug/L		06/25/26 22:07	07/01/26 08:59	1
4,4'-DDE (1C)	0.0013	U	0.0013	0.00072	ug/L		06/25/26 22:07	07/01/26 08:59	1
4,4'-DDT (1C)	0.0013	U	0.0013	0.00069	ug/L		06/25/26 22:07	07/01/26 08:59	1
Dieldrin (1C)	0.0013	U	0.0013	0.00027	ug/L		06/25/26 22:07	07/01/26 08:59	1
Endosulfan I (1C)	0.0013	U	0.0013	0.00069	ug/L		06/25/26 22:07	07/01/26 08:59	1
Endosulfan II (1C)	0.0013	U	0.0013	0.00094	ug/L		06/25/26 22:07	07/01/26 08:59	1
Endosulfan sulfate (1C)	0.0013	U	0.0013	0.00064	ug/L		06/25/26 22:07	07/01/26 08:59	1
Endrin (1C)	0.0013	U	0.0013	0.00023	ug/L		06/25/26 22:07	07/01/26 08:59	1
Endrin aldehyde (1C)	0.0013	U	0.0013	0.00052	ug/L		06/25/26 22:07	07/01/26 08:59	1
Endrin ketone (1C)	0.0013	U	0.0013	0.00099	ug/L		06/25/26 22:07	07/01/26 08:59	1
Heptachlor (1C)	0.0013	U	0.0013	0.00045	ug/L		06/25/26 22:07	07/01/26 08:59	1
Heptachlor epoxide (1C)	0.0013	U	0.0013	0.00034	ug/L		06/25/26 22:07	07/01/26 08:59	1
Methoxychlor (1C)	0.0013	U	0.0013	0.00078	ug/L		06/25/26 22:07	07/01/26 08:59	1
Mirex (1C)	0.0013	U	0.0013	0.00047	ug/L		06/25/26 22:07	07/01/26 08:59	1
Toxaphene (1C)	0.10	U	0.10	0.049	ug/L		06/25/26 22:07	07/01/26 08:59	1
Endosulfan, Total (1C)	0.0026	U	0.0026	0.0010	ug/L		06/25/26 22:07	07/01/26 08:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr) (1C)	96		11 - 150	06/25/26 22:07	07/01/26 08:59	1
Tetrachloro-m-xylene (Surr) (2C)	97		11 - 150	06/25/26 22:07	07/01/26 08:59	1
DCB Decachlorobiphenyl (Surr) (1C)	79		17 - 142	06/25/26 22:07	07/01/26 08:59	1
DCB Decachlorobiphenyl (Surr) (2C)	83		17 - 142	06/25/26 22:07	07/01/26 08:59	1

Lab Sample ID: LCS 180-515476/4-A

Matrix: Water

Analysis Batch: 515650

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515476

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin (2C)	0.0250	0.0241		ug/L		96	55 - 119
alpha-BHC (2C)	0.0250	0.0230		ug/L		92	56 - 123
beta-BHC (1C)	0.0250	0.0246		ug/L		99	49 - 116
delta-BHC (1C)	0.0250	0.0146		ug/L		58	44 - 110
gamma-BHC (Lindane) (2C)	0.0250	0.0241		ug/L		96	55 - 122
cis-Chlordane (2C)	0.0250	0.0240		ug/L		96	55 - 125
trans-Chlordane (2C)	0.0250	0.0257		ug/L		103	57 - 127
4,4'-DDD (2C)	0.0250	0.0248		ug/L		99	50 - 113
4,4'-DDE (2C)	0.0250	0.0235		ug/L		94	52 - 108
4,4'-DDT (2C)	0.0250	0.0304		ug/L		122	40 - 124
Dieldrin (2C)	0.0250	0.0237		ug/L		95	57 - 122
Endosulfan I (1C)	0.0250	0.0241		ug/L		96	46 - 142
Endosulfan II (2C)	0.0250	0.0244		ug/L		98	52 - 121
Endosulfan sulfate (2C)	0.0250	0.0233		ug/L		93	37 - 124
Endrin (1C)	0.0250	0.0255		ug/L		102	58 - 124
Endrin aldehyde (2C)	0.0250	0.0270		ug/L		108	42 - 125
Endrin ketone (2C)	0.0250	0.0280		ug/L		112	46 - 128
Heptachlor (2C)	0.0250	0.0284		ug/L		113	53 - 131
Heptachlor epoxide (2C)	0.0250	0.0247		ug/L		99	58 - 125
Methoxychlor (2C)	0.0250	0.0322		ug/L		129	33 - 132

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Method: EPA 8081B LL - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 180-515476/4-A

Matrix: Water

Analysis Batch: 515650

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515476

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene (Surr) (1C)	91		11 - 150
Tetrachloro-m-xylene (Surr) (2C)	92		11 - 150
DCB Decachlorobiphenyl (Surr) (1C)	79		17 - 142
DCB Decachlorobiphenyl (Surr) (2C)	81		17 - 142

Lab Sample ID: LCSD 180-515476/5-A

Matrix: Water

Analysis Batch: 515650

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 515476

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin (2C)	0.0250	0.0248		ug/L		99	55 - 119	3	16
alpha-BHC (1C)	0.0250	0.0239		ug/L		96	56 - 123	4	15
beta-BHC (1C)	0.0250	0.0257		ug/L		103	49 - 116	4	18
delta-BHC (1C)	0.0250	0.0151		ug/L		60	44 - 110	4	19
gamma-BHC (Lindane) (2C)	0.0250	0.0251		ug/L		101	55 - 122	4	15
cis-Chlordane (2C)	0.0250	0.0250		ug/L		100	55 - 125	4	17
trans-Chlordane (2C)	0.0250	0.0269		ug/L		108	57 - 127	5	17
4,4'-DDD (2C)	0.0250	0.0267		ug/L		107	50 - 113	7	19
4,4'-DDE (2C)	0.0250	0.0249		ug/L		100	52 - 108	6	16
4,4'-DDT (1C)	0.0250	0.0304		ug/L		122	40 - 124	0	19
Dieldrin (2C)	0.0250	0.0258		ug/L		103	57 - 122	8	30
Endosulfan I (2C)	0.0250	0.0251		ug/L		100	46 - 142	4	26
Endosulfan II (2C)	0.0250	0.0270		ug/L		108	52 - 121	10	17
Endosulfan sulfate (2C)	0.0250	0.0257		ug/L		103	37 - 124	10	31
Endrin (2C)	0.0250	0.0278		ug/L		111	58 - 124	9	19
Endrin aldehyde (2C)	0.0250	0.0293		ug/L		117	42 - 125	8	29
Endrin ketone (2C)	0.0250	0.0306		ug/L		122	46 - 128	9	35
Heptachlor (2C)	0.0250	0.0292		ug/L		117	53 - 131	3	15
Heptachlor epoxide (2C)	0.0250	0.0256		ug/L		102	58 - 125	4	17
Methoxychlor (2C)	0.0250	0.0351	*+	ug/L		140	33 - 132	9	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene (Surr) (1C)	95		11 - 150
Tetrachloro-m-xylene (Surr) (2C)	95		11 - 150
DCB Decachlorobiphenyl (Surr) (1C)	85		17 - 142
DCB Decachlorobiphenyl (Surr) (2C)	88		17 - 142

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 180-515476/1-A

Matrix: Water

Analysis Batch: 515649

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 515476

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	0.010	U	0.010	0.0048	ug/L		06/25/26 22:07	07/01/26 09:26	1
PCB-1221 (1C)	0.010	U	0.010	0.0057	ug/L		06/25/26 22:07	07/01/26 09:26	1
PCB-1232 (1C)	0.010	U	0.010	0.0052	ug/L		06/25/26 22:07	07/01/26 09:26	1
PCB-1242 (1C)	0.010	U	0.010	0.0036	ug/L		06/25/26 22:07	07/01/26 09:26	1
PCB-1248 (1C)	0.010	U	0.010	0.0080	ug/L		06/25/26 22:07	07/01/26 09:26	1
PCB-1254 (1C)	0.010	U	0.010	0.0046	ug/L		06/25/26 22:07	07/01/26 09:26	1
PCB-1260 (1C)	0.010	U	0.010	0.0039	ug/L		06/25/26 22:07	07/01/26 09:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	97		23 - 133	06/25/26 22:07	07/01/26 09:26	1
DCB Decachlorobiphenyl (Surr) (2C)	95		23 - 133	06/25/26 22:07	07/01/26 09:26	1
Tetrachloro-m-xylene (Surr) (1C)	65		20 - 133	06/25/26 22:07	07/01/26 09:26	1
Tetrachloro-m-xylene (Surr) (2C)	63		20 - 133	06/25/26 22:07	07/01/26 09:26	1

Lab Sample ID: LCS 180-515476/2-A

Matrix: Water

Analysis Batch: 515649

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515476

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016 (1C)	1.00	0.475		ug/L		48	42 - 119
PCB-1260 (2C)	1.00	0.836		ug/L		84	47 - 107

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	88		23 - 133
DCB Decachlorobiphenyl (Surr) (2C)	85		23 - 133
Tetrachloro-m-xylene (Surr) (1C)	59		20 - 133
Tetrachloro-m-xylene (Surr) (2C)	58		20 - 133

Lab Sample ID: LCSD 180-515476/3-A

Matrix: Water

Analysis Batch: 515649

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 515476

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016 (1C)	1.00	0.494		ug/L		49	42 - 119	4	23
PCB-1260 (2C)	1.00	0.890		ug/L		89	47 - 107	6	22

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	91		23 - 133
DCB Decachlorobiphenyl (Surr) (2C)	86		23 - 133
Tetrachloro-m-xylene (Surr) (1C)	60		20 - 133
Tetrachloro-m-xylene (Surr) (2C)	58		20 - 133

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-844260/1-A

Matrix: Water

Analysis Batch: 845045

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 844260

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	25	U	25	12	ug/L		06/30/26 15:56	07/01/26 09:12	1
Antimony	1.0	U	1.0	0.20	ug/L		06/30/26 15:56	07/01/26 09:12	1
Arsenic	2.0	U	2.0	0.68	ug/L		06/30/26 15:56	07/01/26 09:12	1
Barium	2.0	U	2.0	0.75	ug/L		06/30/26 15:56	07/01/26 09:12	1
Beryllium	0.50	U	0.50	0.12	ug/L		06/30/26 15:56	07/01/26 09:12	1
Cadmium	0.50	U	0.50	0.15	ug/L		06/30/26 15:56	07/01/26 09:12	1
Calcium	100	U	100	50	ug/L		06/30/26 15:56	07/01/26 09:12	1
Chromium	2.0	U	2.0	0.55	ug/L		06/30/26 15:56	07/01/26 09:12	1
Cobalt	0.50	U	0.50	0.16	ug/L		06/30/26 15:56	07/01/26 09:12	1
Copper	1.0	U	1.0	0.85	ug/L		06/30/26 15:56	07/01/26 09:12	1
Iron	50	U	50	20	ug/L		06/30/26 15:56	07/01/26 09:12	1
Lead	0.50	U	0.50	0.12	ug/L		06/30/26 15:56	07/01/26 09:12	1
Magnesium	50	U	50	16	ug/L		06/30/26 15:56	07/01/26 09:12	1
Manganese	2.0	U	2.0	1.2	ug/L		06/30/26 15:56	07/01/26 09:12	1
Nickel	1.0	U	1.0	0.40	ug/L		06/30/26 15:56	07/01/26 09:12	1
Potassium	200	U	200	65	ug/L		06/30/26 15:56	07/01/26 09:12	1
Selenium	1.0	U	1.0	0.28	ug/L		06/30/26 15:56	07/01/26 09:12	1
Silver	0.50	U	0.50	0.10	ug/L		06/30/26 15:56	07/01/26 09:12	1
Sodium	200	U	200	90	ug/L		06/30/26 15:56	07/01/26 09:12	1
Thallium	0.50	U	0.50	0.13	ug/L		06/30/26 15:56	07/01/26 09:12	1
Zinc	10	U	10	4.0	ug/L		06/30/26 15:56	07/01/26 09:12	1
Vanadium	4.0	U	4.0	0.79	ug/L		06/30/26 15:56	07/01/26 09:12	1

Lab Sample ID: LCS 410-844260/2-A

Matrix: Water

Analysis Batch: 845045

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 844260

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Aluminum	5000	5180		ug/L		104	83 - 114	
Antimony	100	105		ug/L		105	85 - 115	
Arsenic	500	514		ug/L		103	86 - 111	
Barium	500	522		ug/L		104	86 - 114	
Beryllium	50.0	52.4		ug/L		105	80 - 120	
Cadmium	50.0	53.2		ug/L		106	86 - 114	
Calcium	5000	5050		ug/L		101	84 - 113	
Chromium	500	502		ug/L		100	84 - 113	
Cobalt	500	508		ug/L		102	85 - 112	
Copper	500	513		ug/L		103	86 - 111	
Iron	5000	5020		ug/L		100	84 - 114	
Lead	50.0	52.8		ug/L		106	86 - 114	
Magnesium	5000	5120		ug/L		102	84 - 113	
Manganese	500	504		ug/L		101	84 - 113	
Nickel	500	508		ug/L		102	85 - 113	
Potassium	5000	5050		ug/L		101	87 - 111	
Selenium	100	102		ug/L		102	86 - 111	
Silver	50.0	54.7		ug/L		109	88 - 116	
Sodium	5000	5120		ug/L		102	84 - 114	
Thallium	100	102		ug/L		102	86 - 113	
Zinc	500	516		ug/L		103	86 - 112	

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-844260/2-A

Matrix: Water

Analysis Batch: 845045

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 844260

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vanadium	500	507		ug/L		101	84 - 112

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 410-844018/1-A

Matrix: Water

Analysis Batch: 844515

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 844018

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.087	ug/L		06/30/26 10:46	06/30/26 16:20	1

Lab Sample ID: LCS 410-844018/2-A

Matrix: Water

Analysis Batch: 844515

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 844018

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.956		ug/L		96	80 - 120

Method: 2540G - SM 2540G

Lab Sample ID: 630-138167-5 DU

Matrix: Sediment

Analysis Batch: 515327

Client Sample ID: C-3

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	58.4		58.5		%		0.07	10
Percent Solids	41.6		41.5		%		0.1	10

Method: 2540G-2011 - Total, Fixed, and Volatile Solids

Lab Sample ID: LCS 410-836736/1

Matrix: Solid

Analysis Batch: 836736

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Percent Moisture	89.5	89.1		%		100	94 - 108
Total Solids	10.5	10.9		%		104	94 - 108
Percent Solids	10.5	10.9		%		104	94 - 108

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-515469/12

Matrix: Water

Analysis Batch: 515469

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	10	U	10	6.0	ug/L			06/25/26 16:37	1

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Method: EPA 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCS 180-515469/13

Matrix: Water

Analysis Batch: 515469

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	500	516		ug/L		103	85 - 115

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-515501/4-A

Matrix: Water

Analysis Batch: 515513

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 515501

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	10	U	10	8.0	ug/L		06/26/26 14:36	06/27/26 12:29	1

Lab Sample ID: HLCS 180-515501/2-A

Matrix: Water

Analysis Batch: 515513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515501

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	250	248		ug/L		99	90 - 110

Lab Sample ID: LCS 180-515501/3-A

Matrix: Water

Analysis Batch: 515513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515501

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	200	196		ug/L		98	85 - 115

Lab Sample ID: LLCS 180-515501/1-A

Matrix: Water

Analysis Batch: 515513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515501

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	50.0	50.6		ug/L		101	90 - 110

Lab Sample ID: 630-138167-31 MS

Matrix: MET, Dissolved

Analysis Batch: 515513

Client Sample ID: SC-1 COMPOSITE ELUTRIATE DISSOLVED

Prep Type: Dissolved

Prep Batch: 515501

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	10	U	200	161		ug/L		80	75 - 125

Lab Sample ID: 630-138167-31 MSD

Matrix: MET, Dissolved

Analysis Batch: 515513

Client Sample ID: SC-1 COMPOSITE ELUTRIATE DISSOLVED

Prep Type: Dissolved

Prep Batch: 515501

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Cyanide, Total	10	U	200	162		ug/L		81	75 - 125	1	20

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: 630-138167-31 DU

Matrix: MET, Dissolved

Analysis Batch: 515513

Client Sample ID: SC-1 COMPOSITE ELUTRIATE DISSOLVED

Prep Type: Dissolved

Prep Batch: 515501

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Cyanide, Total	10	U	10	U	ug/L		NC	20

Method: EPA-Lloyd Kahn - Organic Carbon, Total (TOC)

Lab Sample ID: MB 180-515414/4

Matrix: Sediment

Analysis Batch: 515414

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1000	U	1000	970	mg/Kg			06/24/26 09:01	1

Lab Sample ID: LCS 180-515414/5

Matrix: Sediment

Analysis Batch: 515414

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	40000	40200		mg/Kg		100	75 - 125

Lab Sample ID: LCSD 180-515414/6

Matrix: Sediment

Analysis Batch: 515414

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Total Organic Carbon	40000	39500		mg/Kg		99	75 - 125	2	20

Method: Lloyd Kahn - Organic Carbon, Total (TOC)

Lab Sample ID: MB 410-842906/33

Matrix: Solid

Analysis Batch: 842906

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	300	U	300	100	mg/Kg			06/26/26 19:23	1

Lab Sample ID: MB 410-842906/5

Matrix: Solid

Analysis Batch: 842906

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	300	U	300	100	mg/Kg			06/26/26 17:41	1

Lab Sample ID: MB 410-842906/61

Matrix: Solid

Analysis Batch: 842906

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	300	U	300	100	mg/Kg			06/26/26 21:04	1

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Method: Lloyd Kahn - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 410-842906/32

Matrix: Solid

Analysis Batch: 842906

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	2700	1930		mg/Kg		71	36 - 163

Lab Sample ID: LCS 410-842906/4

Matrix: Solid

Analysis Batch: 842906

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	2700	2050		mg/Kg		76	36 - 163

Lab Sample ID: LCS 410-842906/60

Matrix: Solid

Analysis Batch: 842906

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	2700	2040		mg/Kg		75	36 - 163

QC Association Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

GC/MS Semi VOA

Prep Batch: 515477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-31	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	3520C	
630-138167-32	SC-2 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	3520C	
630-138167-33	SC-3 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	3520C	
630-138167-34	C-4 DISCRETE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	3520C	
MB 180-515477/1-A	Method Blank	Total/NA	Water	3520C	
LCS 180-515477/2-A	Lab Control Sample	Total/NA	Water	3520C	

Analysis Batch: 515605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-31	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 8270E LL	515477
630-138167-32	SC-2 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 8270E LL	515477
630-138167-33	SC-3 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 8270E LL	515477
630-138167-34	C-4 DISCRETE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 8270E LL	515477
MB 180-515477/1-A	Method Blank	Total/NA	Water	EPA 8270E LL	515477
LCS 180-515477/2-A	Lab Control Sample	Total/NA	Water	EPA 8270E LL	515477

GC Semi VOA

Prep Batch: 515476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-31	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	3510C	
630-138167-32	SC-2 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	3510C	
630-138167-33	SC-3 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	3510C	
630-138167-34	C-4 DISCRETE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	3510C	
MB 180-515476/1-A	Method Blank	Total/NA	Water	3510C	
LCS 180-515476/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 180-515476/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 180-515476/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 180-515476/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 515649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-31	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 8082A	515476
630-138167-32	SC-2 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 8082A	515476
630-138167-33	SC-3 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 8082A	515476
630-138167-34	C-4 DISCRETE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 8082A	515476
MB 180-515476/1-A	Method Blank	Total/NA	Water	EPA 8082A	515476
LCS 180-515476/2-A	Lab Control Sample	Total/NA	Water	EPA 8082A	515476
LCSD 180-515476/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 8082A	515476

Analysis Batch: 515650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-31	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 8081B LL	515476
630-138167-32	SC-2 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 8081B LL	515476
630-138167-33	SC-3 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 8081B LL	515476
630-138167-34	C-4 DISCRETE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 8081B LL	515476
MB 180-515476/1-A	Method Blank	Total/NA	Water	EPA 8081B LL	515476
LCS 180-515476/4-A	Lab Control Sample	Total/NA	Water	EPA 8081B LL	515476
LCSD 180-515476/5-A	Lab Control Sample Dup	Total/NA	Water	EPA 8081B LL	515476

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QC Association Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

GC Semi VOA

Analysis Batch: 515734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-31	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	PCB	
630-138167-32	SC-2 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	PCB	
630-138167-33	SC-3 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	PCB	
630-138167-34	C-4 DISCRETE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	PCB	

Metals

Prep Batch: 844018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-31	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	7470A	
630-138167-32	SC-2 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	7470A	
630-138167-33	SC-3 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	7470A	
630-138167-34	C-4 DISCRETE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	7470A	
MB 410-844018/1-A	Method Blank	Total/NA	Water	7470A	
LCS 410-844018/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 844260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-31	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	3005A	
630-138167-32	SC-2 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	3005A	
630-138167-33	SC-3 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	3005A	
630-138167-34	C-4 DISCRETE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	3005A	
MB 410-844260/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-844260/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 844515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-31	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	7470A	844018
630-138167-32	SC-2 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	7470A	844018
630-138167-33	SC-3 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	7470A	844018
630-138167-34	C-4 DISCRETE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	7470A	844018
MB 410-844018/1-A	Method Blank	Total/NA	Water	7470A	844018
LCS 410-844018/2-A	Lab Control Sample	Total/NA	Water	7470A	844018

Analysis Batch: 845045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-31	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	6020B	844260
630-138167-31	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	6020B	844260
630-138167-32	SC-2 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	6020B	844260
630-138167-32	SC-2 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	6020B	844260
630-138167-33	SC-3 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	6020B	844260
630-138167-33	SC-3 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	6020B	844260
630-138167-34	C-4 DISCRETE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	6020B	844260
630-138167-34	C-4 DISCRETE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	6020B	844260
MB 410-844260/1-A	Method Blank	Total Recoverable	Water	6020B	844260
LCS 410-844260/2-A	Lab Control Sample	Total Recoverable	Water	6020B	844260

General Chemistry

Analysis Batch: 515325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-1	C-1	Total/NA	Sediment	2540G	

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QC Association Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

General Chemistry (Continued)

Analysis Batch: 515325 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-3	C-2	Total/NA	Sediment	2540G	

Analysis Batch: 515327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-5	C-3	Total/NA	Sediment	2540G	
630-138167-9	C-5	Total/NA	Sediment	2540G	
630-138167-11	C-6	Total/NA	Sediment	2540G	
630-138167-13	C-7	Total/NA	Sediment	2540G	
630-138167-15	C-8	Total/NA	Sediment	2540G	
630-138167-5 DU	C-3	Total/NA	Sediment	2540G	

Analysis Batch: 515414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-1	C-1	Total/NA	Sediment	EPA-Lloyd Kahn	
630-138167-3	C-2	Total/NA	Sediment	EPA-Lloyd Kahn	
630-138167-5	C-3	Total/NA	Sediment	EPA-Lloyd Kahn	
630-138167-9	C-5	Total/NA	Sediment	EPA-Lloyd Kahn	
630-138167-11	C-6	Total/NA	Sediment	EPA-Lloyd Kahn	
630-138167-13	C-7	Total/NA	Sediment	EPA-Lloyd Kahn	
630-138167-15	C-8	Total/NA	Sediment	EPA-Lloyd Kahn	
MB 180-515414/4	Method Blank	Total/NA	Sediment	EPA-Lloyd Kahn	
LCS 180-515414/5	Lab Control Sample	Total/NA	Sediment	EPA-Lloyd Kahn	
LCSD 180-515414/6	Lab Control Sample Dup	Total/NA	Sediment	EPA-Lloyd Kahn	

Analysis Batch: 515469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-31	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 7196A	
630-138167-32	SC-2 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 7196A	
630-138167-33	SC-3 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 7196A	
630-138167-34	C-4 DISCRETE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 7196A	
MB 180-515469/12	Method Blank	Total/NA	Water	EPA 7196A	
LCS 180-515469/13	Lab Control Sample	Total/NA	Water	EPA 7196A	

Prep Batch: 515501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-31	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	9010C	
630-138167-32	SC-2 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	9010C	
630-138167-33	SC-3 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	9010C	
630-138167-34	C-4 DISCRETE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	9010C	
MB 180-515501/4-A	Method Blank	Total/NA	Water	9010C	
HLCS 180-515501/2-A	Lab Control Sample	Total/NA	Water	9010C	
LCS 180-515501/3-A	Lab Control Sample	Total/NA	Water	9010C	
LLCS 180-515501/1-A	Lab Control Sample	Total/NA	Water	9010C	
630-138167-31 MS	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	9010C	
630-138167-31 MSD	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	9010C	
630-138167-31 DU	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	9010C	

Analysis Batch: 515513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-31	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 9014	515501
630-138167-32	SC-2 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 9014	515501

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QC Association Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

General Chemistry (Continued)

Analysis Batch: 515513 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-33	SC-3 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 9014	515501
630-138167-34	C-4 DISCRETE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 9014	515501
MB 180-515501/4-A	Method Blank	Total/NA	Water	EPA 9014	515501
HLCS 180-515501/2-A	Lab Control Sample	Total/NA	Water	EPA 9014	515501
LCS 180-515501/3-A	Lab Control Sample	Total/NA	Water	EPA 9014	515501
LLCS 180-515501/1-A	Lab Control Sample	Total/NA	Water	EPA 9014	515501
630-138167-31 MS	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 9014	515501
630-138167-31 MSD	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 9014	515501
630-138167-31 DU	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	EPA 9014	515501

Analysis Batch: 515530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-31	SC-1 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	7196A	
630-138167-32	SC-2 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	7196A	
630-138167-33	SC-3 COMPOSITE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	7196A	
630-138167-34	C-4 DISCRETE ELUTRIATE DISSOLVED	Dissolved	MET, Dissolved	7196A	

Analysis Batch: 836736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-2	C-1	Total/NA	Solid	2540G-2011	
630-138167-4	C-2	Total/NA	Solid	2540G-2011	
630-138167-6	C-3	Total/NA	Solid	2540G-2011	
630-138167-10	C-5	Total/NA	Solid	2540G-2011	
630-138167-12	C-6	Total/NA	Solid	2540G-2011	
630-138167-14	C-7	Total/NA	Solid	2540G-2011	
630-138167-16	C-8	Total/NA	Solid	2540G-2011	
LCS 410-836736/1	Lab Control Sample	Total/NA	Solid	2540G-2011	

Analysis Batch: 842906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-18	SC-1 COMPOSITE (C1+C2)	Total/NA	Solid	Lloyd Kahn	
630-138167-20	SC-2 COMPOSITE (C3+C7)	Total/NA	Solid	Lloyd Kahn	
630-138167-22	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Solid	Lloyd Kahn	
MB 410-842906/33	Method Blank	Total/NA	Solid	Lloyd Kahn	
MB 410-842906/5	Method Blank	Total/NA	Solid	Lloyd Kahn	
MB 410-842906/61	Method Blank	Total/NA	Solid	Lloyd Kahn	
LCS 410-842906/32	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	
LCS 410-842906/4	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	
LCS 410-842906/60	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	

Geotechnical

Analysis Batch: 845776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-2	C-1	Total/NA	Solid	D422	
630-138167-4	C-2	Total/NA	Solid	D422	
630-138167-6	C-3	Total/NA	Solid	D422	
630-138167-10	C-5	Total/NA	Solid	D422	
630-138167-12	C-6	Total/NA	Solid	D422	
630-138167-14	C-7	Total/NA	Solid	D422	
630-138167-16	C-8	Total/NA	Solid	D422	

EurofinsPhiladelphia

Lab Chronicle

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-1

Date Collected: 06/10/26 11:15

Date Received: 06/16/26 09:49

Lab Sample ID: 630-138167-1

Matrix: Sediment

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	515325	RSR	EET PIT	06/23/26 10:00

Client Sample ID: C-1

Date Collected: 06/10/26 11:15

Date Received: 06/16/26 09:49

Lab Sample ID: 630-138167-1

Matrix: Sediment

Percent Solids: 39.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA-Lloyd Kahn		1	515414	LWM	EET PIT	06/24/26 13:56

Client Sample ID: C-1

Date Collected: 06/10/26 11:15

Date Received: 06/16/26 09:49

Lab Sample ID: 630-138167-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G-2011		1	836736	M98K	ELLE	06/17/26 18:59 - 06/17/26 20:28 ¹
Total/NA	Analysis	D422		1	845776	UYB0	ELLE	06/26/26 20:33

Client Sample ID: C-2

Date Collected: 06/10/26 11:52

Date Received: 06/16/26 09:49

Lab Sample ID: 630-138167-3

Matrix: Sediment

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	515325	RSR	EET PIT	06/23/26 10:00

Client Sample ID: C-2

Date Collected: 06/10/26 11:52

Date Received: 06/16/26 09:49

Lab Sample ID: 630-138167-3

Matrix: Sediment

Percent Solids: 40.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA-Lloyd Kahn		1	515414	LWM	EET PIT	06/24/26 14:11

Client Sample ID: C-2

Date Collected: 06/10/26 11:52

Date Received: 06/16/26 09:49

Lab Sample ID: 630-138167-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G-2011		1	836736	M98K	ELLE	06/17/26 17:30 - 06/17/26 18:59 ¹
Total/NA	Analysis	D422		1	845776	UYB0	ELLE	06/26/26 20:33

Client Sample ID: C-3

Date Collected: 06/10/26 13:41

Date Received: 06/16/26 09:49

Lab Sample ID: 630-138167-5

Matrix: Sediment

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	515327	RSR	EET PIT	06/23/26 10:03

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Lab Chronicle

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-3

Date Collected: 06/10/26 13:41

Date Received: 06/16/26 09:49

Lab Sample ID: 630-138167-5

Matrix: Sediment

Percent Solids: 41.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA-Lloyd Kahn		1	515414	LWM	EET PIT	06/24/26 14:26

Client Sample ID: C-3

Date Collected: 06/10/26 13:41

Date Received: 06/16/26 09:49

Lab Sample ID: 630-138167-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G-2011		1	836736	M98K	ELLE	06/17/26 16:00 - 06/17/26 17:30 ¹
Total/NA	Analysis	D422		1	845776	UYB0	ELLE	06/26/26 20:33

Client Sample ID: C-5

Date Collected: 06/10/26 13:26

Date Received: 06/16/26 09:49

Lab Sample ID: 630-138167-9

Matrix: Sediment

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	515327	RSR	EET PIT	06/23/26 10:03

Client Sample ID: C-5

Date Collected: 06/10/26 13:26

Date Received: 06/16/26 09:49

Lab Sample ID: 630-138167-9

Matrix: Sediment

Percent Solids: 40.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA-Lloyd Kahn		1	515414	LWM	EET PIT	06/24/26 15:11

Client Sample ID: C-5

Date Collected: 06/10/26 13:26

Date Received: 06/16/26 09:49

Lab Sample ID: 630-138167-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G-2011		1	836736	M98K	ELLE	06/17/26 10:03 - 06/17/26 11:32 ¹
Total/NA	Analysis	D422		1	845776	UYB0	ELLE	06/26/26 20:33

Client Sample ID: C-6

Date Collected: 06/10/26 10:56

Date Received: 06/16/26 09:49

Lab Sample ID: 630-138167-11

Matrix: Sediment

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	515327	RSR	EET PIT	06/23/26 10:03

Client Sample ID: C-6

Date Collected: 06/10/26 10:56

Date Received: 06/16/26 09:49

Lab Sample ID: 630-138167-11

Matrix: Sediment

Percent Solids: 40.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA-Lloyd Kahn		1	515414	LWM	EET PIT	06/24/26 15:27

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Lab Chronicle

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-6

Lab Sample ID: 630-138167-12

Date Collected: 06/10/26 10:56

Matrix: Solid

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G-2011		1	836736	M98K	ELLE	06/17/26 13:02 - 06/17/26 14:31 ¹
Total/NA	Analysis	D422		1	845776	UYB0	ELLE	06/26/26 20:33

Client Sample ID: C-7

Lab Sample ID: 630-138167-13

Date Collected: 06/10/26 12:39

Matrix: Sediment

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	515327	RSR	EET PIT	06/23/26 10:03

Client Sample ID: C-7

Lab Sample ID: 630-138167-13

Date Collected: 06/10/26 12:39

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 45.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA-Lloyd Kahn		1	515414	LWM	EET PIT	06/24/26 15:42

Client Sample ID: C-7

Lab Sample ID: 630-138167-14

Date Collected: 06/10/26 12:39

Matrix: Solid

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G-2011		1	836736	M98K	ELLE	06/17/26 11:32 - 06/17/26 13:02 ¹
Total/NA	Analysis	D422		1	845776	UYB0	ELLE	06/26/26 20:33

Client Sample ID: C-8

Lab Sample ID: 630-138167-15

Date Collected: 06/10/26 13:13

Matrix: Sediment

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	515327	RSR	EET PIT	06/23/26 10:03

Client Sample ID: C-8

Lab Sample ID: 630-138167-15

Date Collected: 06/10/26 13:13

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 42.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA-Lloyd Kahn		1	515414	LWM	EET PIT	06/24/26 15:57

Client Sample ID: C-8

Lab Sample ID: 630-138167-16

Date Collected: 06/10/26 13:13

Matrix: Solid

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G-2011		1	836736	M98K	ELLE	06/17/26 14:31 - 06/17/26 16:00 ¹
Total/NA	Analysis	D422		1	845776	UYB0	ELLE	06/26/26 20:33

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Lab Chronicle

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: SC-1 COMPOSITE (C1+C2)

Lab Sample ID: 630-138167-18

Date Collected: 06/16/26 11:10

Matrix: Solid

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Lloyd Kahn		1	842906	A7TA	ELLE	06/26/26 20:35

Client Sample ID: SC-2 COMPOSITE (C3+C7)

Lab Sample ID: 630-138167-20

Date Collected: 06/16/26 11:48

Matrix: Solid

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Lloyd Kahn		1	842906	A7TA	ELLE	06/26/26 19:08

Client Sample ID: SC-3 COMPOSITE (C5+C6+C8)

Lab Sample ID: 630-138167-22

Date Collected: 06/16/26 12:16

Matrix: Solid

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Lloyd Kahn		1	842906	A7TA	ELLE	06/26/26 21:48

Client Sample ID: SC-1 COMPOSITE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-31

Date Collected: 06/25/26 08:30

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3520C			515477	VJC	EET PIT	06/25/26 22:18
Dissolved	Analysis	EPA 8270E LL		1	515605	VVP	EET PIT	06/30/26 21:25
Dissolved	Prep	3510C			515476	VJC	EET PIT	06/25/26 22:07
Dissolved	Analysis	EPA 8081B LL		1	515650	JMO	EET PIT	07/01/26 11:08
Dissolved	Prep	3510C			515476	VJC	EET PIT	06/25/26 22:07
Dissolved	Analysis	EPA 8082A		1	515649	JMO	EET PIT	07/01/26 10:53
Dissolved	Analysis	PCB		1	515734	SAB	EET PIT	07/01/26 10:53
Dissolved	Prep	3005A			844260	ZKHU	ELLE	06/30/26 15:56
Dissolved	Analysis	6020B		1	845045	SAM2	ELLE	07/01/26 09:25
Dissolved	Prep	3005A			844260	ZKHU	ELLE	06/30/26 15:56
Dissolved	Analysis	6020B		100	845045	SAM2	ELLE	07/01/26 12:24
Dissolved	Prep	7470A			844018	RFN5	ELLE	06/30/26 10:46
Dissolved	Analysis	7470A		1	844515	IJ3I	ELLE	06/30/26 17:06
Dissolved	Analysis	7196A		1	515530	PS1	EET PIT	07/02/26 10:30
Dissolved	Analysis	EPA 7196A		1	515469	RAO	EET PIT	06/25/26 16:42
Dissolved	Prep	9010C			515501	RAO	EET PIT	06/26/26 14:36
Dissolved	Analysis	EPA 9014		1	515513	RAO	EET PIT	06/27/26 12:50

Lab Chronicle

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: SC-2 COMPOSITE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-32

Date Collected: 06/25/26 08:30

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3520C			515477	VJC	EET PIT	06/25/26 22:18
Dissolved	Analysis	EPA 8270E LL		1	515605	VVP	EET PIT	06/30/26 21:48
Dissolved	Prep	3510C			515476	VJC	EET PIT	06/25/26 22:07
Dissolved	Analysis	EPA 8081B LL		1	515650	JMO	EET PIT	07/01/26 11:27
Dissolved	Prep	3510C			515476	VJC	EET PIT	06/25/26 22:07
Dissolved	Analysis	EPA 8082A		1	515649	JMO	EET PIT	07/01/26 11:10
Dissolved	Analysis	PCB		1	515734	SAB	EET PIT	07/01/26 11:10
Dissolved	Prep	3005A			844260	ZKHU	ELLE	06/30/26 15:56
Dissolved	Analysis	6020B		1	845045	SAM2	ELLE	07/01/26 10:14
Dissolved	Prep	3005A			844260	ZKHU	ELLE	06/30/26 15:56
Dissolved	Analysis	6020B		100	845045	SAM2	ELLE	07/01/26 12:29
Dissolved	Prep	7470A			844018	RFN5	ELLE	06/30/26 10:46
Dissolved	Analysis	7470A		1	844515	IJ3I	ELLE	06/30/26 17:08
Dissolved	Analysis	7196A		1	515530	PS1	EET PIT	07/02/26 10:30
Dissolved	Analysis	EPA 7196A		1	515469	RAO	EET PIT	06/25/26 16:44
Dissolved	Prep	9010C			515501	RAO	EET PIT	06/26/26 14:36
Dissolved	Analysis	EPA 9014		1	515513	RAO	EET PIT	06/27/26 12:54

Client Sample ID: SC-3 COMPOSITE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-33

Date Collected: 06/25/26 08:30

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3520C			515477	VJC	EET PIT	06/25/26 22:18
Dissolved	Analysis	EPA 8270E LL		1	515605	VVP	EET PIT	06/30/26 22:11
Dissolved	Prep	3510C			515476	VJC	EET PIT	06/25/26 22:07
Dissolved	Analysis	EPA 8081B LL		1	515650	JMO	EET PIT	07/01/26 11:45
Dissolved	Prep	3510C			515476	VJC	EET PIT	06/25/26 22:07
Dissolved	Analysis	EPA 8082A		1	515649	JMO	EET PIT	07/01/26 11:27
Dissolved	Analysis	PCB		1	515734	SAB	EET PIT	07/01/26 11:27
Dissolved	Prep	3005A			844260	ZKHU	ELLE	06/30/26 15:56
Dissolved	Analysis	6020B		1	845045	SAM2	ELLE	07/01/26 10:12
Dissolved	Prep	3005A			844260	ZKHU	ELLE	06/30/26 15:56
Dissolved	Analysis	6020B		100	845045	SAM2	ELLE	07/01/26 12:27
Dissolved	Prep	7470A			844018	RFN5	ELLE	06/30/26 10:46
Dissolved	Analysis	7470A		1	844515	IJ3I	ELLE	06/30/26 17:10
Dissolved	Analysis	7196A		1	515530	PS1	EET PIT	07/02/26 10:30
Dissolved	Analysis	EPA 7196A		1	515469	RAO	EET PIT	06/25/26 16:46
Dissolved	Prep	9010C			515501	RAO	EET PIT	06/26/26 14:36
Dissolved	Analysis	EPA 9014		1	515513	RAO	EET PIT	06/27/26 12:54

Lab Chronicle

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Client Sample ID: C-4 DISCRETE ELUTRIATE DISSOLVED

Lab Sample ID: 630-138167-34

Date Collected: 06/25/26 09:00

Matrix: MET, Dissolved

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3520C			515477	VJC	EET PIT	06/25/26 22:18
Dissolved	Analysis	EPA 8270E LL		1	515605	VVP	EET PIT	06/30/26 22:34
Dissolved	Prep	3510C			515476	VJC	EET PIT	06/25/26 22:07
Dissolved	Analysis	EPA 8081B LL		1	515650	JMO	EET PIT	07/01/26 12:04
Dissolved	Prep	3510C			515476	VJC	EET PIT	06/25/26 22:07
Dissolved	Analysis	EPA 8082A		1	515649	JMO	EET PIT	07/01/26 11:45
Dissolved	Analysis	PCB		1	515734	SAB	EET PIT	07/01/26 11:45
Dissolved	Prep	3005A			844260	ZKHU	ELLE	06/30/26 15:56
Dissolved	Analysis	6020B		1	845045	SAM2	ELLE	07/01/26 10:16
Dissolved	Prep	3005A			844260	ZKHU	ELLE	06/30/26 15:56
Dissolved	Analysis	6020B		100	845045	SAM2	ELLE	07/01/26 12:31
Dissolved	Prep	7470A			844018	RFN5	ELLE	06/30/26 10:46
Dissolved	Analysis	7470A		1	844515	IJ3I	ELLE	06/30/26 17:12
Dissolved	Analysis	7196A		1	515530	PS1	EET PIT	07/02/26 10:30
Dissolved	Analysis	EPA 7196A		1	515469	RAO	EET PIT	06/25/26 16:50
Dissolved	Prep	9010C			515501	RAO	EET PIT	06/26/26 14:36
Dissolved	Analysis	EPA 9014		1	515513	RAO	EET PIT	06/27/26 12:55

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	PA011	06-30-27

The following analytes are included in this report, but the laboratory is not certified by New Jersey NELAP PA011. This list may include analytes for which the agency does not offer certification :

Analysis Method	Prep Method	Matrix	Analyte
2540G-2011		Solid	Percent Moisture
2540G-2011		Solid	Percent Solids
D422		Solid	0.075 mm (Sieve Size #200)
D422		Solid	0.15 mm (Sieve Size #100)
D422		Solid	0.18 mm (Sieve Size #80)
D422		Solid	0.25 mm (Sieve Size #60)
D422		Solid	0.425 mm (Sieve Size #40)
D422		Solid	0.85 mm (Sieve Size #20)
D422		Solid	1.4 um (Hydrometer Reading 7)
D422		Solid	13.4 um (Hydrometer Reading 3)
D422		Solid	19 mm (Sieve Size 0.75 inch)
D422		Solid	2 mm (Sieve Size #10)
D422		Solid	22.9 um (Hydrometer Reading 2)
D422		Solid	25 mm (Sieve Size 1 inch)
D422		Solid	3.3 um (Hydrometer Reading 6)
D422		Solid	36.1 um (Hydrometer Reading 1)
D422		Solid	37.5 mm (Sieve Size 1.5 inch)
D422		Solid	4.75 mm (Sieve Size #4)
D422		Solid	50 mm (Sieve Size 2 inch)
D422		Solid	6.7 um (Hydrometer Reading 5)
D422		Solid	9.5 mm (Sieve Size 0.375 inch)
D422		Solid	9.8 um (Hydrometer Reading 4)
D422		Solid	Clay
D422		Solid	Coarse Sand
D422		Solid	Fine Sand
D422		Solid	Gravel
D422		Solid	Medium Sand
D422		Solid	Sand
D422		Solid	Silt

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	PA005	06-30-27

The following analytes are included in this report, but the laboratory is not certified by New Jersey NELAP PA005. This list may include analytes for which the agency does not offer certification :

Analysis Method	Prep Method	Matrix	Analyte
2540G		Sediment	Percent Moisture
2540G		Sediment	Percent Solids
7196A		MET, Dissolved	Cr (III)
EPA 8081B LL	3510C	MET, Dissolved	Endosulfan, Total (1C)
EPA 9014	9010C	MET, Dissolved	Cyanide, Total
PCB		MET, Dissolved	Polychlorinated biphenyls, Total

Method Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Method	Method Description	Protocol	Laboratory
EPA 8270E LL	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8081B LL	Organochlorine Pesticides (GC)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) (GC)	SW846	EET PIT
PCB	Total PCB Calculation	TAL SOP	EET PIT
6020B	Metals (ICP/MS)	SW846	ELLE
7470A	Mercury (CVAA)	SW846	ELLE
2540G	SM 2540G	SM22	EET PIT
2540G-2011	Total, Fixed, and Volatile Solids	SM	ELLE
7196A	Chromium, Trivalent (Colorimetric)	SW846	EET PIT
EPA 7196A	Chromium, Hexavalent	SW846	EET PIT
EPA 9014	Cyanide	SW846	EET PIT
EPA-Lloyd Kahn	Organic Carbon, Total (TOC)	EPA	EET PIT
Lloyd Kahn	Organic Carbon, Total (TOC)	EPA	ELLE
D422	Grain Size	ASTM	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET PIT
3520C	Liquid-Liquid Extraction (Continuous)	SW846	EET PIT
7470A	Preparation, Mercury	SW846	ELLE
9010C	Cyanide, Distillation	SW846	EET PIT

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
SM = "Standard Methods For The Examination Of Water And Wastewater"
SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058
ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Discrete

Job ID: 630-138167-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
630-138167-1	C-1	Sediment	06/10/26 11:15	06/16/26 09:49	New Jersey
630-138167-2	C-1	Solid	06/10/26 11:15	06/16/26 09:49	New Jersey
630-138167-3	C-2	Sediment	06/10/26 11:52	06/16/26 09:49	New Jersey
630-138167-4	C-2	Solid	06/10/26 11:52	06/16/26 09:49	New Jersey
630-138167-5	C-3	Sediment	06/10/26 13:41	06/16/26 09:49	New Jersey
630-138167-6	C-3	Solid	06/10/26 13:41	06/16/26 09:49	New Jersey
630-138167-9	C-5	Sediment	06/10/26 13:26	06/16/26 09:49	New Jersey
630-138167-10	C-5	Solid	06/10/26 13:26	06/16/26 09:49	New Jersey
630-138167-11	C-6	Sediment	06/10/26 10:56	06/16/26 09:49	New Jersey
630-138167-12	C-6	Solid	06/10/26 10:56	06/16/26 09:49	New Jersey
630-138167-13	C-7	Sediment	06/10/26 12:39	06/16/26 09:49	New Jersey
630-138167-14	C-7	Solid	06/10/26 12:39	06/16/26 09:49	New Jersey
630-138167-15	C-8	Sediment	06/10/26 13:13	06/16/26 09:49	New Jersey
630-138167-16	C-8	Solid	06/10/26 13:13	06/16/26 09:49	New Jersey
630-138167-18	SC-1 COMPOSITE (C1+C2)	Solid	06/16/26 11:10	06/16/26 09:49	New Jersey
630-138167-20	SC-2 COMPOSITE (C3+C7)	Solid	06/16/26 11:48	06/16/26 09:49	New Jersey
630-138167-22	SC-3 COMPOSITE (C5+C6+C8)	Solid	06/16/26 12:16	06/16/26 09:49	New Jersey
630-138167-31	SC-1 COMPOSITE ELUTRIATE DISSOLVED	MET, Dissolved	06/25/26 08:30	06/16/26 09:49	New Jersey
630-138167-32	SC-2 COMPOSITE ELUTRIATE DISSOLVED	MET, Dissolved	06/25/26 08:30	06/16/26 09:49	New Jersey
630-138167-33	SC-3 COMPOSITE ELUTRIATE DISSOLVED	MET, Dissolved	06/25/26 08:30	06/16/26 09:49	New Jersey
630-138167-34	C-4 DISCRETE ELUTRIATE DISSOLVED	MET, Dissolved	06/25/26 09:00	06/16/26 09:49	New Jersey

63010512



**Drinking Water
and
Wastewater
Northeast, LLC**

795 Horsham Road
Horsham, PA 19044

Phone : 215-355-3900

CHAIN OF CUSTODY

Page 1 of 1

Lab



LAB 630-138167 Chain of Custody

MATRIX CODES

W: DRINKING WATER

GW: GROUND WATER

WW: WASTEWATER

SO: SOIL

SL: SLUDGE

OIL: OIL

SOL: NON SOIL SOLID

MI: MISCELLANEOUS

X: OTHER

____ Ascorbic/HCL Vials # ____ HCl Vials

____ Na₂S₂O₃

____ NaOH/Znacetate

2 HNO₃ 250 pl

____ H₂SO₄

2 NaOH 250 pl

____ Unpreserved 4-Amb qt, 10-250 Amb

____ HCl # ____ NH₄Cl # ____ MeOH

____ DI Water

ANALYSIS REQUESTED

Field pH, Temp (°C),
DO, C12, Cond, etc.

Grain Size, TOC, % Solids

8270, 8081, 8082, TAC Metals,
CN

Client/Acct. No. 900 Dudley Ave
Address

City/State/Zip Cherry Hill, NJ, 08002
Phone/Fax

Client Contact: Claire Mueller

Sampling Site Address (if different) Include State

DRBA LEWES FERRY TERMINAL

P.O. No.

PWSID#:

Quote#

e-mail:

PROJECT

Collection

Number of Containers

FIELD ID

Date

Military
Time

G
R
A
B

C
O
M
P

Matrix
Code

Total

H
2
S
O
4

H
C
l

V
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a
l
s

H
N
O
3

N
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O
H

Z
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A
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B
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C
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L
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B
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O
N
L
Y

C-1

C-2

C-3

C-4

C-5

C-6

C-7

C-8

SW

FB

6/10

6/10

↓

↓

↓

↓

↓

↓

6/10

6/11

11:55

11:52

1:41

12:34

1:26

10:56

2:39

1:15

3:00

8:41

SAMPLED BY: (Name/Company)

S.T. Hudson Eng, Inc.
Claire Mueller

TAT : ☐ STANDARD (10 DAY)

or DUE DATE ____/____/____

Report Format: ☐ Standard ☐ NJ-RDD ☐ SRP-RDD

☐ Standard + QC ☐ Forms ☐ EDD

Field Parameters Analyzed By:

Initials

Date/Time:

Please call for pricing and availability for rush (<10 day) turnaround and for all but standard reporting format.

SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK, IE. 8AM IS 0800, 4 PM IS 1600)

RELINQUISHED BY: SAMPLER

1. Claire Mueller

DATE

6/11

TIME

8:45

RECEIVED BY:

1. [Signature]

DATE

6/11

TIME

08:46

DELIVERY: ☒ FEDEX COURIER ☐ CLIENT

☐ UPS ☐ FEDEX ☐ OTHER

Custody Seal Number

RELINQUISHED BY

2. [Signature]

DATE

6/11

TIME

17:23

RECEIVED BY

2. [Signature]

DATE

TIME

Rec'd Temp.: _____ Initials: _____ Ice Y / N Location: _____

COMMENTS:

RELINQUISHED BY

3. [Signature]

DATE

TIME

RECEIVED BY

3. [Signature]

DATE

TIME

RELINQUISHED BY

4. [Signature]

DATE

TIME

RECEIVED BY

4. [Signature]

DATE

TIME

RELINQUISHED BY

5. [Signature]

DATE

TIME

RECEIVED BY

5. [Signature]

DATE

TIME

Hazardous: yes / no

63010512



**Drinking Water
and
Wastewater
Northeast, LLC**

795 Horsham Road
Horsham, PA 19044

Phone : 215-355-3900

Client/Acct. No. ST HUDSON
Address _____

City/State/Zip _____

Phone/Fax _____

Client Contact: _____

CHAIN OF CUSTODY

Page 2 of _____

Bill to/Report to (if different) _____

Sampling Site Address (if different) Include State _____

P.O. No. _____

PWSID#: _____

Quote# _____

e-mail: _____

Lab LIMS No: _____

Loc: 630

138167

LAB USE ONLY:

_____ Ascorbic/HCl _____ .Cl Vials

_____ Na₂S₂O₃ _____

_____ NaOH/Znacetate _____

_____ HNO₃ _____

_____ H₂SO₄ _____

_____ NaOH _____

_____ Unpreserved

_____ HCl # _____ NH₄Cl # _____ MeOH

_____ DI Water

MATRIX CODES

DW: DRINKING WATER

GW: GROUND WATER

WW: WASTEWATER

SO: SOIL

SL: SLUDGE

OIL: OIL

SOL: NON SOIL SOLID

MI: MISCELLANEOUS

X: OTHER

ANALYSIS REQUESTED

Field pH, Temp (°C),
DO, C12, Cond, etc.

LAB USE ONLY	PROJECT	FIELD ID	Collection		G R A B	C O M P	Matrix Code	Number of Containers									
			Date	Military Time				Total	H 2 S O 4	H C l	V i a l s	H N O 3	N a O H	Z n A c	U N P R E	B A C T	
	Comps / Elutriates																
	SC-1 Composite (C1 + C2)		6/16/26	1110		✓											
	SC-2 Composite (C3 + C7)		6/16/26	1143		✓											
	SC-3 Composite (C5 + C6 + C8)		6/16/26	1216		✓											
	C-4 - Discrete (see page 1)		6/10/26	1234		✓											
	SC-1 Composite - ELUTRIATE		6/16/26	1110		✓											
	SC-2 Composite - ELUTRIATE		6/16/26	1143		✓											
	SC-3 Composite - ELUTRIATE		6/16/26	1216		✓											
	C-4 DISCRETE - ELUTRIATE		6/10/26	1234		✓											

Grain Size, rcc, % Solids, P270,
P801, P802, TAL Metals, Cu,
Cr6, Cr3

Modified Elutriate - Total + Dissolved:

P270, P801, P802, Cu,
TAL Metals, Cr6, Cr3

SAMPLED BY: (Name/Company) _____

TAT : ☐ STANDARD (10 DAY)

or DUE DATE ____/____/____

Report Format: ☐ Standard ☐ NJ-RDD ☐ SRP-RDD

☐ Standard + QC ☐ Forms ☐ EDD

Field Parameters Analyzed By:

Initials _____

Date/Time: _____

Please call for pricing and availability for rush (<10 day) turnaround and for all but standard reporting format.

SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK, IE. 8AM IS 0800, 4 PM IS 1600)

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME	DELIVERY: ☐ EETP COURIER ☐ CLIENT	Custody Seal Number
1.			1.			☐ UPS ☐ FEDEX ☐ OTHER _____	
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME	Rec'd Temp.: _____ Initials: _____ Ice Y / N Location: _____ COMMENTS: _____ Hazardous: yes / no	
2.			2.				
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME		
3.			3.				
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME		
4.			4.				
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME		
5.			5.				

ORIGIN ID:SEGA (215) 355-3900

EUROFINS ENVIRON TESTING PHILA LLC
795 HORSHAM ROAD

HORSHAM, PA 19044
UNITED STATES US

SHIP DATE: 17JUN26
ACTWGT: 54.95 LB
CAD: 265788972/CAFE4004
DIMS: 24x16x14 IN

BILL SENDER

TO **SAMPLE RECEIVING**
EUROFINS PITTSBURGH
301 ALPHA DR

PITTSBURGH PA 15238

(412) 963-7058

REF:

DEPT:

INVT

PO:

Uncorrected temp
Thermometer ID

51.6 °C
28

CF -0.3

Initials

NR

PT-WL-SR-001 effective 7/26/13

FedEx
Express



PITTSBURGH PA 15238

(412) 963-7058

REF:

DEPT:

INVT

PO:

Uncorrected temp
Thermometer ID

21.9 °C
28

CF -0.3

Initials

NR

PT-WL-SR-001 effective 7/26/13

FedEx
Express

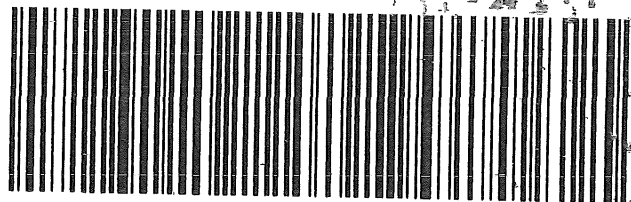


TRK# 4881 3411 2669
0201

THU - 18 JUN 10:30A
PRIORITY OVERNIGHT

NP AGCA

15238
PA-US PIT

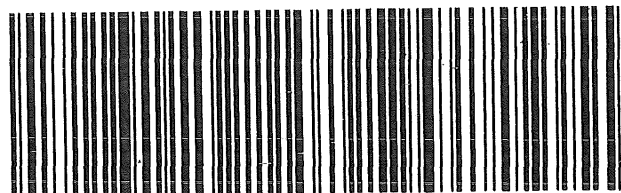


TRK# 4881 3411 2658
0201

THU - 18 JUN 10:30A
PRIORITY OVERNIGHT

NP AGCA

15238
PA-US PIT



630-138167 Waybill

ORIGIN ID:SEGA (215) 355-3900
EUROFINS ENVIRON TESTING PHILA LLC
795 HORSHAM ROAD
HORSHAM, PA 19044
UNITED STATES US

SHIP DATE: 17JUN26
ACTWGT: 59.20 LB
CAD: 265788972/CAFE4004
DIMS: 25x14x13 IN
BILL SENDER

ORIGIN ID:SEGA (215) 355-3900
EUROFINS ENVIRON TESTING PHILA LLC
795 HORSHAM ROAD
HORSHAM, PA 19044
UNITED STATES US

SHIP DATE: 17JUN26
ACTWGT: 56.45 LB
CAD: 265788972/CAFE4004
DIMS: 25x14x13 IN
BILL SENDER

TO **SAMPLE RECEIVING**
EUROFINS PITTSBURGH
301 ALPHA DR

PITTSBURGH PA 15238

(412) 983-7058

REF:

DEPT:

THU:
PO1

Uncorrected temp 21.1 °C
Thermometer ID 28
No Fee
CF -0.3 Initials NR

PT-WI-SR-001 effective 7/26/13



TO **SAMPLE RECEIVING**
EUROFINS PITTSBURGH
301 ALPHA DR

PITTSBURGH PA 15238

(412) 983-7058

REF:

DEPT:

THU:
PO1

Uncorrected temp 21.4 °C
Thermometer ID 28
No Fee
CF -0.3 Initials NR

PT-WI-SR-001 effective 7/26/13



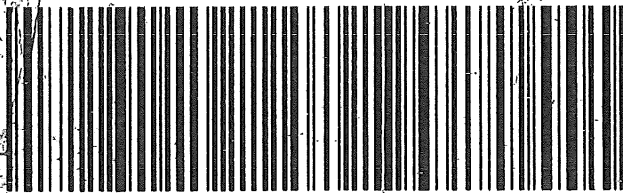
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0201

THU - 18 JUN 10:30A
PRIORITY OVERNIGHT

NP AGCA

15238

PA-US PIT



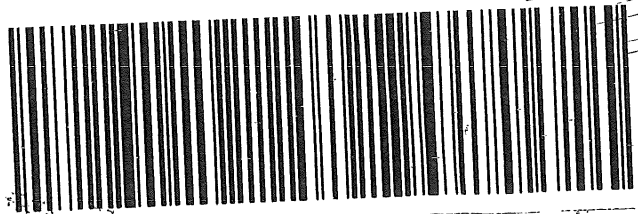
TRK# 4881 3411 2670
0201

THU - 18 JUN 10:30A
PRIORITY OVERNIGHT

NP AGCA

15238

PA-US PIT



PITT CR2 Floor 30BB
Chain of Custody

Client Information	(Sub Contract Lab)	Sampler N/A	Lab PM Dougherty, Erin	Carrier Tracking No(s) N/A	COC No 630-22227-1	
Client Contact: Shipping/Receiving	Phone N/A	E-Mail Erin.Dougherty@et.eurofinsus.com	State of Origin New Jersey	Page Page 1 of 6		
Company:				Accreditations Required (See note) NELAP - New Jersey	Job # 630-138167-1	
Eurofins Environment Testing Northeast L					Preservation Codes:	
Address 301 Alpha Drive, RIDC Park,		Due Date Requested: 7/14/2026				
City: Pittsburgh		TAT Requested (days): N/A				
State, Zip PA, 15238						
Project Name ST Hudson - DRBA Lewes Ferry Terminal		PO # N/A				
Email N/A		WO # N/A				
Site N/A		SSOW# N/A				
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=o/waste/oil, BT=tissue, A=Air)	Total Number of containers
Preservation Code:		X	X	X	X	X
C-1 (630-138167-1)	6/10/26	11 15 Eastern	G	Sediment		1
C-2 (630-138167-3)	6/10/26	11.52 Eastern	G	Sediment		1
C-3 (630-138167-5)	6/10/26	13 41 Eastern	G	Sediment		1
C-4 DISCRETE (630-138167-7)	6/10/26	12 34 Eastern	G	Sediment		4
C-5 (630-138167-9)	6/10/26	13 26 Eastern	G	Sediment		1
C-6 (630-138167-11)	6/10/26	10 56 Eastern	G	Sediment		1
C-7 (630-138167-13)	6/10/26	12 39 Eastern	G	Sediment		1
C-8 (630-138167-15)	6/10/26	13 13 Eastern	G	Sediment		1
SC-1 COMPOSITE (C1+C2) (630-138167-17)	6/16/26	11.10 Eastern	G	Sediment		4
Note: Since laboratory accreditations are subject to change, Eurofins Drinking Water and Wastewater Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Drinking Water and Wastewater Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Drinking Water and Wastewater Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Drinking Water and Wastewater Northeast, LLC.						
Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
Unconfirmed				Return To Client Disposal By Lab Archive For _____ Months		
Deliverable Requested I, II, III, IV, Other (specify)				Special Instructions/QC Requirements		
Empty Kit Relinquished by:		Date	Time		Method of Shipment:	
Relinquished by:	Date/Time	1425	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time		Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time		Company	Received by:	Date/Time	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks:		

Ver. 03/20/2026

Eurofins Philadelphia

795 Horsham Road
Horsham, PA 19044-0962
Phone 215-355-3900

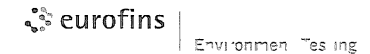
Chain of Custody Record

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM Dougherty, Erin		Carrier Tracking No(s) N/A		COC No 630-22227 2															
Client Contact: Shipping/Receiving		Phone N/A		E-Mail Erin.Dougherty@et.eurofinsus.com		State of Origin New Jersey		Page Page 2 of 6															
Company Eurofins Environment Testing Northeast L				Accreditations Required (See note) NELAP - New Jersey				Job # 630-138167-1															
Address 301 Alpha Drive, RIDC Park,		Due Date Requested: 7/14/2026		Analysis Requested					Preservation Codes: -														
City Pittsburgh		TAT Requested (days): N/A																					
State, Zip PA, 15238		PO #: N/A		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers		Other: N/A													
Phone 412-963-7058(Tel) 412-963-2468(Fax)		WO #: N/A																					
Email N/A		Project #: 63010512		8082A_LL/3510C_LL8082 PCBs		7196A_Chromium, Hexavalent		7196A_CR3Chromium, Trivalent		8270E_LL/Filtration_AC(MOD) 8270 Semivolatiles-Dissolved		8081B_LL/Filtration_AC(MOD) 8081 Pesticides-Dissolved		8082A_LL/Filtration_AC8082 PCBs-Dissolved		Total_PCB/Filtration_ACTotal PCB Calculation		9014/Filtration_ACCyanide-Dissolved		7196A/Filtration_ACCChromium, Hexavalent-Dissolved		7196A_CR3/Filtration_ACCChromium, Trivalent-Dissolved	
Project Name ST Hudson - DRBA Lewes Ferry Terminal		SSOW#: N/A																					
Site N/A																							
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Preservation Code:													
C-1 (630-138167-1)		6/10/26		11 15 Eastern		G		Sediment														1	
C-2 (630-138167-3)		6/10/26		11 52 Eastern		G		Sediment														1	
C-3 (630-138167-5)		6/10/26		13 41 Eastern		G		Sediment														1	
C-4 DISCRETE (630-138167-7)		6/10/26		12 34 Eastern		G		Sediment														4	
C-5 (630-138167-9)		6/10/26		13 26 Eastern		G		Sediment														1	
C-6 (630-138167-11)		6/10/26		10 56 Eastern		G		Sediment														1	
C-7 (630-138167-13)		6/10/26		12 39 Eastern		G		Sediment														1	
C-8 (630-138167-15)		6/10/26		13 13 Eastern		G		Sediment														1	
SC-1 COMPOSITE (C1+C2) (630-138167-17)		6/16/26		11 10 Eastern		G		Sediment														4	
Note: Since laboratory accreditations are subject to change, Eurofins Drinking Water and Wastewater Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Drinking Water and Wastewater Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Drinking Water and Wastewater Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Drinking Water and Wastewater Northeast, LLC.																							
Possible Hazard Identification												Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)											
Unconfirmed												☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months											
Deliverable Requested I, II, III, IV, Other (specify)												Primary Deliverable Rank 2											
Special Instructions/QC Requirements																							
Empty Kit Relinquished by												Date											
Relinquished by:												Date/Time: 6/19/26 1425											
Relinquished by:												Date/Time: 6/19/26 1425											
Relinquished by:												Date/Time: 6/19/26 1425											
Custody Seals Intact: ☐ Yes ☐ No												Custody Seal No.:											
Cooler Temperature(s) °C and Other Remarks																							

Eurofins Philadelphia

795 Horsham Road
Horsham, PA 19044-0962
Phone 215-355-3900

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM Dougherty, Erin		Carrier Tracking No(s) N/A		COC No 630-22227 3			
Client Contact: Shipping/Receiving		Phone N/A		E-Mail Erin.Dougherty@et.eurofins.com		State of Origin New Jersey		Page Page 3 of 6			
Company: Eurofins Environment Testing Northeast L				Accreditations Required (See note) NELAP - New Jersey				Job # 630-138167-1			
Address 301 Alpha Drive, RIDC Park,		Due Date Requested: 7/14/2026		Analysis Requested						Preservation Codes: -	
City Pittsburgh		TAT Requested (days): N/A									
State, Zip PA, 15238		PO #: N/A		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) Moisture Total Solids, % Moisture Lloyd_Kahn_ModLloyd_Kahn, TOC 8270E_LL/3541_LL(MOD) 8270 Semivolatiles 8081B_LL/3541_LL(MOD) 8081 Pesticides 8082A_LL/3541_LL(MOD) 8082 PCBs Total_PCB Total PCB Calculation 9014/9010 Cyanide Moisture Percent Moisture SED_MET Modified Elutriate Test Technique SED_MET_Diss Modified Elutriate Test Technique, Diss SED_SET Diss Standard Elutriate Test, Dissolved 8270E_LL/3520C_LL/LL(MOD) 8270 Semivolatiles 8081B_LL/3510C_LL(MOD) 8081 Pesticides Total Number of containers		Other: N/A		Special Instructions/Note:			
Phone 412-963-7058(Tel) 412-963-2468(Fax)		WO #: N/A									
Email N/A		Project #: 63010512									
Project Name ST Hudson - DRBA Lewes Ferry Terminal		SSOW #: N/A									
Site N/A											
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air)		Preservation Code:	
SC-2 COMPOSITE (C3+C7) (630-138167-19)		6/16/26		11 48 Eastern		G		Sediment		4	
SC-3 COMPOSITE (C5+C6+C8) (630-138167-21)		6/16/26		12 16 Eastern		G		Sediment		4	
SC-1 COMPOSITE ELUTRIATE (630-138167-23)		6/16/26		11 10 Eastern		G		Sediment		1	
SC-1 COMPOSITE ELUTRIATE (630-138167-24)		6/16/26		11 10 Eastern		G		Water		1	
SC-2 COMPOSITE ELUTRIATE (630-138167-25)		6/16/26		11 48 Eastern		G		Sediment		1	
SC-2 COMPOSITE ELUTRIATE (630-138167-26)		6/16/26		11 48 Eastern		G		Water		1	
SC-3 COMPOSITE ELUTRIATE (630-138167-27)		6/16/26		12 16 Eastern		G		Sediment		1	
SC-3 COMPOSITE ELUTRIATE (630-138167-28)		6/16/26		12 16 Eastern		G		Water		1	
C-4 DISCRETE ELUTRIATE (630-138167-29)		6/10/26		12 34 Eastern		G		Sediment		1	
Note: Since laboratory accreditations are subject to change, Eurofins Drinking Water and Wastewater Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Drinking Water and Wastewater Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Drinking Water and Wastewater Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Drinking Water and Wastewater Northeast, LLC.											
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Unconfirmed						☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months					
Deliverable Requested: I, II, III, IV, Other (specify)				Primary Deliverable Rank: 2		Special Instructions/QC Requirements					
Empty Kit Relinquished by:				Date		Time		Method of Shipment:			
Relinquished by:		Date/Time		Company		Received by:		Date/Time		Company	
Relinquished by:		Date/Time		Company		Received by:		Date/Time		Company	
Relinquished by:		Date/Time		Company		Received by:		Date/Time		Company	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks					

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Ver: 03/20/2026

Environment Testing

[illegible]

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Ver. 03/20/2026

Eurofins Philadelphia

795 Horsham Road
Horsham, PA 19044-0962
Phone: 215-355-3900

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Dougherty, Erin		Carrier Tracking No(s): N/A		COC No: 630-22215.1																																																			
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Erin.Dougherty@et.eurofinsus.com		State of Origin: New Jersey		Page: Page 1 of 2																																																			
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): NELAP - New Jersey				Job #: 630-138167-1																																																			
Address: 2425 New Holland Pike,		Due Date Requested: 7/14/2026		Analysis Requested						Preservation Codes:																																																	
City: Lancaster		TAT Requested (days): N/A																																																									
State, Zip: PA, 17601																																																											
Phone: 717-656-2300(Tel)		PO #: N/A																																																									
Email: N/A		WO #: N/A																																																									
Project Name: ST Hudson - DRBA Lewes Ferry Terminal		Project #: 63010512																																																									
Site: N/A		SSOW#: N/A																																																									
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=biological, AA=air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		D4220 Grain Size w/ Hydrometer		2540G Moisture Content		Moisture(MOD) Percent Moisture		6020B/3050BTAL Metals		7471B/7471B_PrepMercury		7196A/3060AChromium, Hexavalent		7196A_CR3Chromium, Trivalent		Total Number of containers		Other: N/A		Special Instructions/Note:																											
C-1 (630-138167-2)		6/10/26		11:15 Eastern		G		Solid						X		X																1																											
C-2 (630-138167-4)		6/10/26		11:52 Eastern		G		Solid						X		X																1																											
C-3 (630-138167-6)		6/10/26		13:41 Eastern		G		Solid						X		X																1																											
C-4 DISCRETE (630-138167-8)		6/10/26		12:34 Eastern		G		Solid						X		X		X		X		X		X		X						5																											
C-5 (630-138167-10)		6/10/26		13:26 Eastern		G		Solid						X		X																1																											
C-6 (630-138167-12)		6/10/26		10:56 Eastern		G		Solid						X		X																1																											
C-7 (630-138167-14)		6/10/26		12:39 Eastern		G		Solid						X		X																1																											
C-8 (630-138167-16)		6/10/26		13:13 Eastern		G		Solid						X		X																1																											
SC-1 COMPOSITE (C1+C2) (630-138167-18)		6/16/26		11:10 Eastern		G		Solid						X		X		X		X		X		X		X						5																											
Note: Since laboratory accreditations are subject to change, Eurofins Drinking Water and Wastewater Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Drinking Water and Wastewater Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Drinking Water and Wastewater Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Drinking Water and Wastewater Northeast, LLC.																																																											
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																																																	
Unconfirmed										☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months																																																	
Deliverable Requested: I, II, III, IV, Other (specify)										Primary Deliverable Rank: 2																																																	
Special Instructions/QC Requirements:																																																											
Empty Kit Relinquished by:										Date:										Time:										Method of Shipment:																													
Relinquished by:										Date/Time: 06/16/26 1808										Company: EP										Received by:										Date/Time:										Company:									
Relinquished by:										Date/Time:										Company:										Received by:										Date/Time:										Company:									
Relinquished by:										Date/Time:										Company:										Received by:										Date/Time: 06/16/26 2145										Company:									
Custody Seals Intact: ☒ Yes ☐ No										Custody Seal No.: 4 / Batt-elle										Cooler Temperature(s) °C and Other Remarks: 2:3.95.1 C.U.O.-S.2																																							

Eurofins Philadelphia

795 Horsham Road
Horsham, PA 19044-0962
Phone: 215-355-3900

Chain of Custody Record

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Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Dougherty, Erin		Carrier Tracking No(s): N/A		COC No: 630-22215.2																							
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Erin.Dougherty@et.eurofinsus.com		State of Origin: New Jersey		Page: Page 2 of 2																							
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): NELAP - New Jersey				Job #: 630-138167-1																							
Address: 2425 New Holland Pike,		Due Date Requested: 7/14/2026		Analysis Requested						Preservation Codes:																					
City: Lancaster		TAT Requested (days): N/A																													
State, Zip: PA, 17601																															
Phone: 717-656-2300(Tel)		PO #: N/A																													
Email: N/A		WO #: N/A																													
Project Name: ST Hudson - DRBA Lewes Ferry Terminal		Project #: 63010512																													
Site: N/A		SSOW#: N/A								Other: N/A																					
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=tissue, AA=air)		Field Filtered Sample (Yes or No)		Perform MSMSD (Yes or No)		D422Grain Size w/ Hydrometer		2540G Moisture Content		Moisture(MOO) Percent Moisture		6020B/3050BTAL Metals		7471B/7471B_PrepMercury		7195A/3060AChromium, Hexavalent		7195A_CR3Chromium, Trivalent		Total Number of containers		Special Instructions/Note:	
SC-2 COMPOSITE (C3+C7) (630-138167-20)		6/16/26		11:48 Eastern		G		Solid						X		X		X		X		X		X		X		5			
SC-3 COMPOSITE (C5+C6+C8) (630-138167-22)		6/16/26		12:16 Eastern		G		Solid						X		X		X		X		X		X		X		5			
								</																							

7/6/2026

7/6/2026

Ver: 03/20/2026

Login Sample Receipt Checklist

Client: ST Hudson Engineers

Job Number: 630-138167-1

Login Number: 138167

List Source: EurofinsPhiladelphia

List Number: 1

Creator: Kurz, Chris

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

EurofinsPhiladelphia

Login Sample Receipt Checklist

Client: ST Hudson Engineers

Job Number: 630-138167-1

Login Number: 138167

List Number: 2

Creator: Cyms, Carolyn M

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 06/16/26 03:06 AM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

EurofinsPhiladelphia

Login Sample Receipt Checklist

Client: ST Hudson Engineers

Job Number: 630-138167-1

Login Number: 138167

List Number: 4

Creator: Williams, Peter

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 06/26/26 10:20 AM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

EurofinsPhiladelphia



Login Sample Receipt Checklist

Client: ST Hudson Engineers

Job Number: 630-138167-1

Login Number: 138167

List Number: 3

Creator: Rucker, Keenyn J

List Source: Eurofins Pittsburgh

List Creation: 06/18/26 01:15 PM

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

ANALYTICAL REPORT

PREPARED FOR

Attn: Paul Ferry
ST Hudson Engineers
900 Dudley Avenue
Cherry Hill, New Jersey 08002

Generated 7/6/2026 6:26:59 AM

JOB DESCRIPTION

DRBA Lewes Ferry Terminal - Composites, Discrete

JOB NUMBER

630-138167-2

EurofinsPhiladelphia

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Drinking Water and Wastewater Northeast, LLC Project Manager.

Authorization



Generated
7/6/2026 6:26:59 AM

Authorized for release by
Erin Dougherty, Project Administrator
Erin.Dougherty@et.eurofinsus.com
(215)355-3900

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Definitions/Glossary

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control

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Definitions/Glossary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: ST Hudson Engineers
Project: DRBA Lewes Ferry Terminal - Composites, Discrete

Job ID: 630-138167-2

Job ID: 630-138167-2

EurofinsPhiladelphia

Job Narrative 630-138167-2

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 6/16/2026 9:49 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

GC/MS Semi VOA

Method EPA 8270E LL: The continuing calibration verification (CCV) associated with batch 180-515382 recovered above the upper control limit for 4-Nitrophenol and Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is: (CCVIS 180-515382/3).

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

PCBs

Method EPA 8082A: The continuing calibration verification (CCV) associated with 180-515371 recovered high and outside the control limits for 1248 on one column. Results are confirmed on both columns and reported from the passing column. The associated sample is: (CCV 180-515371/4).

Method EPA 8082A: The continuing calibration verification (CCV) associated with 180-515371 recovered high and outside the control limits for 1260 on one column. Results are confirmed on both columns and hits were reported from the passing column. The associated sample is: (CCVIS 180-515371/5).

Method EPA 8082A: Surrogate recovery for the following samples were outside control limits: C-4 DISCRETE (630-138167-7) and SC-3 COMPOSITE (C5+C6+C8) (630-138167-21). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method EPA 8082A: The continuing calibration verification (CCV) associated with batch 180-515371 recovered outside acceptance criteria, low biased, for 1016. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

Pesticides

Method EPA 8081B LL: The following samples were diluted due to the nature of the sample matrix: C-4 DISCRETE (630-138167-7), SC-1 COMPOSITE (C1+C2) (630-138167-17), SC-2 COMPOSITE (C3+C7) (630-138167-19) and SC-3 COMPOSITE (C5+C6+C8) (630-138167-21)

Method EPA 8081B LL: PEM is used for breakdown check only

(PEM 180-515427/1) and (PEM 180-515427/27)

Method EPA 8081B LL: The continuing calibration verification (CCV) associated with batch 180-515427 recovered outside acceptance criteria, low biased, for toxaphene, chlordane, 4,4-DDT and methoxychlor. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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Case Narrative

Client: ST Hudson Engineers
Project: DRBA Lewes Ferry Terminal - Composites, Discrete

Job ID: 630-138167-2

Job ID: 630-138167-2 (Continued)

EurofinsPhiladelphia

Method EPA 8081B LL: The continuing calibration verification (CCV) associated with 180-515427 recovered low and outside the control limits for heptachlor on one column. Results are confirmed on both columns and hits were reported from the passing column. The associated sample is: (CCVIS 180-515427/32).

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

Metals

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

General Chemistry

Method 7196A: The following samples were diluted due to the nature of the sample matrix: C-4 DISCRETE (630-138167-8) and SC-1 COMPOSITE (C1+C2) (630-138167-18). Elevated reporting limits (RLs) are provided.

Method 7196A: The following samples were diluted due to the nature of the sample matrix: SC-2 COMPOSITE (C3+C7) (630-138167-20) and SC-3 COMPOSITE (C5+C6+C8) (630-138167-22). Elevated reporting limits (RLs) are provided.

Method 7196A: The matrix spike soluble (MSS) recovery for preparation batch 410-843801 and analytical batch 410-844189, was outside control limits due to sample matrix. The associated laboratory control sample (LCS/LCSI) recoveries met acceptance criteria.

Method EPA 9014: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 180-515349 and analytical batch 180-515408 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Geotechnical

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

EurofinsPhiladelphia

Detection Summary

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: C-4 DISCRETE

Lab Sample ID: 630-138167-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.0034	J	0.0065	0.0019	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Acenaphthylene	0.0086		0.0065	0.0014	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Anthracene	0.013		0.0065	0.0017	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Benzo[a]anthracene	0.029		0.0065	0.0029	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Benzo[b]fluoranthene	0.039		0.0065	0.0016	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Benzo[k]fluoranthene	0.018		0.0065	0.0019	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Benzo[g,h,i]perylene	0.016		0.0065	0.0014	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Benzo[a]pyrene	0.021		0.0065	0.0028	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Carbazole	0.0053	J	0.0065	0.0015	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Chrysene	0.056		0.0065	0.0036	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Fluoranthene	0.13		0.0065	0.0017	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Fluorene	0.0035	J	0.0065	0.0013	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Indeno[1,2,3-cd]pyrene	0.016		0.0065	0.0032	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Phenanthrene	0.019		0.0065	0.0017	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Pyrene	0.089		0.0065	0.0023	mg/Kg	1	✱	EPA 8270E LL	Total/NA
alpha-BHC (1C)	0.00027	J	0.00040	0.000099	mg/Kg	5	✱	EPA 8081B LL	Total/NA
4,4'-DDD (1C)	0.00011	J p	0.00040	0.000085	mg/Kg	5	✱	EPA 8081B LL	Total/NA
4,4'-DDE (1C)	0.00061		0.00040	0.000082	mg/Kg	5	✱	EPA 8081B LL	Total/NA
Total Organic Carbon	40000		2000	1900	mg/Kg	1	✱	EPA-Lloyd Kahn	Total/NA

Client Sample ID: C-4 DISCRETE

Lab Sample ID: 630-138167-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	9200		39	19	mg/Kg	2	✱	6020B	Total/NA
Arsenic	9.5		0.79	0.26	mg/Kg	2	✱	6020B	Total/NA
Barium	25		0.79	0.43	mg/Kg	2	✱	6020B	Total/NA
Beryllium	0.41		0.20	0.047	mg/Kg	2	✱	6020B	Total/NA
Cadmium	0.42		0.20	0.079	mg/Kg	2	✱	6020B	Total/NA
Calcium	11000		79	39	mg/Kg	2	✱	6020B	Total/NA
Chromium	25		0.79	0.75	mg/Kg	2	✱	6020B	Total/NA
Cobalt	4.3		0.39	0.16	mg/Kg	2	✱	6020B	Total/NA
Copper	12	B	0.79	0.35	mg/Kg	2	✱	6020B	Total/NA
Iron	14000		39	21	mg/Kg	2	✱	6020B	Total/NA
Silver	0.20		0.20	0.080	mg/Kg	2	✱	6020B	Total/NA
Potassium	2400		79	32	mg/Kg	2	✱	6020B	Total/NA
Magnesium	4900		20	9.6	mg/Kg	2	✱	6020B	Total/NA
Manganese	170		2.0	1.4	mg/Kg	2	✱	6020B	Total/NA
Sodium	10000		98	47	mg/Kg	2	✱	6020B	Total/NA
Nickel	11		0.79	0.37	mg/Kg	2	✱	6020B	Total/NA
Lead	15		0.39	0.17	mg/Kg	2	✱	6020B	Total/NA
Selenium	0.40	J	0.79	0.20	mg/Kg	2	✱	6020B	Total/NA
Thallium	0.11	J	0.20	0.077	mg/Kg	2	✱	6020B	Total/NA
Vanadium	30		1.6	0.39	mg/Kg	2	✱	6020B	Total/NA
Zinc	75		59	7.9	mg/Kg	2	✱	6020B	Total/NA
Mercury	0.095	J	0.12	0.039	mg/Kg	1	✱	7471B	Total/NA
Total Solids	49		0.10	0.10	%	1		2540G-2011	Total/NA
Cr (III)	25		0.011	0.0035	mg/Kg	1	✱	7196A	Total/NA
50 mm (Sieve Size 2 inch)	100.0				% Finer	1		D422	Total/NA
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer	1		D422	Total/NA
25 mm (Sieve Size 1 inch)	100.0				% Finer	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

EurofinsPhiladelphia

Detection Summary

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: C-4 DISCRETE (Continued)

Lab Sample ID: 630-138167-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer	1		D422	Total/NA
19 mm (Sieve Size 0.75 inch)	100.0				% Finer	1		D422	Total/NA
4.75 mm (Sieve Size #4)	98.6				% Finer	1		D422	Total/NA
2 mm (Sieve Size #10)	93.8				% Finer	1		D422	Total/NA
0.85 mm (Sieve Size #20)	75.5				% Finer	1		D422	Total/NA
0.425 mm (Sieve Size #40)	60.8				% Finer	1		D422	Total/NA
0.25 mm (Sieve Size #60)	54.3				% Finer	1		D422	Total/NA
0.18 mm (Sieve Size #80)	49.2				% Finer	1		D422	Total/NA
0.15 mm (Sieve Size #100)	46.7				% Finer	1		D422	Total/NA
0.075 mm (Sieve Size #200)	40.6				% Finer	1		D422	Total/NA
36.1 um (Hydrometer Reading 1)	20.1				% Finer	1		D422	Total/NA
22.9 um (Hydrometer Reading 2)	17.7				% Finer	1		D422	Total/NA
13.4 um (Hydrometer Reading 3)	14.1				% Finer	1		D422	Total/NA
9.8 um (Hydrometer Reading 4)	11.7				% Finer	1		D422	Total/NA
6.7 um (Hydrometer Reading 5)	10.4				% Finer	1		D422	Total/NA
3.3 um (Hydrometer Reading 6)	8.0				% Finer	1		D422	Total/NA
1.4 um (Hydrometer Reading 7)	8.0				% Finer	1		D422	Total/NA
Clay	10.4				%	1		D422	Total/NA
Gravel	1.4				%	1		D422	Total/NA
Coarse Sand	4.8				%	1		D422	Total/NA
Fine Sand	20.2				%	1		D422	Total/NA
Medium Sand	33.0				%	1		D422	Total/NA
Sand	58.0				%	1		D422	Total/NA
Silt	30.2				%	1		D422	Total/NA

Client Sample ID: SC-1 COMPOSITE (C1+C2)

Lab Sample ID: 630-138167-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.0086		0.0081	0.0018	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Anthracene	0.010		0.0081	0.0021	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Benzo[a]anthracene	0.025		0.0081	0.0036	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Benzo[b]fluoranthene	0.033		0.0081	0.0020	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Benzo[k]fluoranthene	0.014		0.0081	0.0024	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Benzo[g,h,i]perylene	0.021		0.0081	0.0017	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Benzo[a]pyrene	0.026		0.0081	0.0035	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Chrysene	0.031		0.0081	0.0045	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Dibenz(a,h)anthracene	0.0077	J	0.0081	0.0051	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Fluoranthene	0.046		0.0081	0.0021	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Indeno[1,2,3-cd]pyrene	0.018		0.0081	0.0040	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Phenanthrene	0.017		0.0081	0.0022	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Pyrene	0.033		0.0081	0.0028	mg/Kg	1	✱	EPA 8270E LL	Total/NA
alpha-BHC (2C)	0.00016	J p	0.00050	0.00012	mg/Kg	5	✱	EPA 8081B LL	Total/NA
4,4'-DDD (1C)	0.00025	J	0.00050	0.00011	mg/Kg	5	✱	EPA 8081B LL	Total/NA
4,4'-DDE (1C)	0.00058		0.00050	0.00010	mg/Kg	5	✱	EPA 8081B LL	Total/NA
PCB-1260 (1C)	0.00079	J	0.0010	0.00029	mg/Kg	1	✱	EPA 8082A	Total/NA
Polychlorinated biphenyls, Total	0.00079	J	0.0010	0.00036	mg/Kg	1		PCB	Total/NA

Client Sample ID: SC-1 COMPOSITE (C1+C2)

Lab Sample ID: 630-138167-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	18000		43	21	mg/Kg	2	✱	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

EurofinsPhiladelphia

Detection Summary

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: SC-1 COMPOSITE (C1+C2) (Continued)

Lab Sample ID: 630-138167-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	21		0.85	0.29	mg/Kg	2	✱	6020B	Total/NA
Barium	43		0.85	0.46	mg/Kg	2	✱	6020B	Total/NA
Beryllium	0.76		0.21	0.051	mg/Kg	2	✱	6020B	Total/NA
Cadmium	0.78		0.21	0.085	mg/Kg	2	✱	6020B	Total/NA
Calcium	12000		85	42	mg/Kg	2	✱	6020B	Total/NA
Chromium	49		0.85	0.81	mg/Kg	2	✱	6020B	Total/NA
Cobalt	8.3		0.43	0.17	mg/Kg	2	✱	6020B	Total/NA
Copper	24		0.85	0.38	mg/Kg	2	✱	6020B	Total/NA
Iron	28000		43	22	mg/Kg	2	✱	6020B	Total/NA
Silver	0.37		0.21	0.087	mg/Kg	2	✱	6020B	Total/NA
Potassium	4400		85	34	mg/Kg	2	✱	6020B	Total/NA
Magnesium	8500		21	10	mg/Kg	2	✱	6020B	Total/NA
Manganese	340		2.1	1.5	mg/Kg	2	✱	6020B	Total/NA
Sodium	16000		110	51	mg/Kg	2	✱	6020B	Total/NA
Nickel	23		0.85	0.41	mg/Kg	2	✱	6020B	Total/NA
Lead	27		0.43	0.18	mg/Kg	2	✱	6020B	Total/NA
Selenium	0.80	J	0.85	0.21	mg/Kg	2	✱	6020B	Total/NA
Thallium	0.20	J	0.21	0.084	mg/Kg	2	✱	6020B	Total/NA
Vanadium	61		1.7	0.43	mg/Kg	2	✱	6020B	Total/NA
Zinc	140		64	8.5	mg/Kg	2	✱	6020B	Total/NA
Mercury	0.21		0.13	0.043	mg/Kg	1	✱	7471B	Total/NA
Total Solids	43		0.10	0.10	%	1		2540G-2011	Total/NA
Cr (III)	49		0.011	0.0035	mg/Kg	1	✱	7196A	Total/NA
50 mm (Sieve Size 2 inch)	100.0				% Finer	1		D422	Total/NA
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer	1		D422	Total/NA
25 mm (Sieve Size 1 inch)	100.0				% Finer	1		D422	Total/NA
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer	1		D422	Total/NA
19 mm (Sieve Size 0.75 inch)	100.0				% Finer	1		D422	Total/NA
4.75 mm (Sieve Size #4)	100.0				% Finer	1		D422	Total/NA
2 mm (Sieve Size #10)	100.0				% Finer	1		D422	Total/NA
0.85 mm (Sieve Size #20)	96.0				% Finer	1		D422	Total/NA
0.425 mm (Sieve Size #40)	92.6				% Finer	1		D422	Total/NA
0.25 mm (Sieve Size #60)	89.6				% Finer	1		D422	Total/NA
0.18 mm (Sieve Size #80)	87.0				% Finer	1		D422	Total/NA
0.15 mm (Sieve Size #100)	85.5				% Finer	1		D422	Total/NA
0.075 mm (Sieve Size #200)	80.5				% Finer	1		D422	Total/NA
36.1 um (Hydrometer Reading 1)	34.6				% Finer	1		D422	Total/NA
22.9 um (Hydrometer Reading 2)	28.1				% Finer	1		D422	Total/NA
13.4 um (Hydrometer Reading 3)	20.3				% Finer	1		D422	Total/NA
9.8 um (Hydrometer Reading 4)	16.4				% Finer	1		D422	Total/NA
6.7 um (Hydrometer Reading 5)	13.8				% Finer	1		D422	Total/NA
3.3 um (Hydrometer Reading 6)	10				% Finer	1		D422	Total/NA
1.4 um (Hydrometer Reading 7)	8.7				% Finer	1		D422	Total/NA
Clay	13.8				%	1		D422	Total/NA
Gravel	0.0				%	1		D422	Total/NA
Coarse Sand	0.0				%	1		D422	Total/NA
Fine Sand	12.1				%	1		D422	Total/NA
Medium Sand	7.4				%	1		D422	Total/NA
Sand	19.5				%	1		D422	Total/NA
Silt	66.7				%	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

EurofinsPhiladelphia

Detection Summary

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: SC-2 COMPOSITE (C3+C7)

Lab Sample ID: 630-138167-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.0023	J	0.0073	0.0017	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Acenaphthene	0.0080		0.0073	0.0021	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Acenaphthylene	0.0055	J	0.0073	0.0016	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Anthracene	0.014		0.0073	0.0019	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Benzo[a]anthracene	0.026		0.0073	0.0033	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Benzo[b]fluoranthene	0.026		0.0073	0.0018	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Benzo[k]fluoranthene	0.014		0.0073	0.0022	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Benzo[g,h,i]perylene	0.016		0.0073	0.0016	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Benzo[a]pyrene	0.020		0.0073	0.0031	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Chrysene	0.032		0.0073	0.0040	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Fluoranthene	0.071		0.0073	0.0019	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Fluorene	0.0050	J	0.0073	0.0014	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Indeno[1,2,3-cd]pyrene	0.013		0.0073	0.0036	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Naphthalene	0.0042	J	0.0073	0.0014	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Phenanthrene	0.023		0.0073	0.0019	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Pyrene	0.052		0.0073	0.0025	mg/Kg	1	✱	EPA 8270E LL	Total/NA
alpha-BHC (1C)	0.00026	J	0.00045	0.00011	mg/Kg	5	✱	EPA 8081B LL	Total/NA
cis-Chlordane (1C)	0.00057		0.00045	0.00011	mg/Kg	5	✱	EPA 8081B LL	Total/NA
trans-Chlordane (1C)	0.00058	p	0.00045	0.00011	mg/Kg	5	✱	EPA 8081B LL	Total/NA
4,4'-DDD (1C)	0.00048		0.00045	0.000095	mg/Kg	5	✱	EPA 8081B LL	Total/NA
4,4'-DDE (1C)	0.0032		0.00045	0.000092	mg/Kg	5	✱	EPA 8081B LL	Total/NA
Endrin aldehyde (1C)	0.00064		0.00045	0.00016	mg/Kg	5	✱	EPA 8081B LL	Total/NA
Heptachlor epoxide (1C)	0.00037	J	0.00045	0.00012	mg/Kg	5	✱	EPA 8081B LL	Total/NA
PCB-1260 (1C)	0.00083	J	0.00090	0.00026	mg/Kg	1	✱	EPA 8082A	Total/NA
Polychlorinated biphenyls, Total	0.00083	J	0.00090	0.00032	mg/Kg	1		PCB	Total/NA

Client Sample ID: SC-2 COMPOSITE (C3+C7)

Lab Sample ID: 630-138167-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	18000		41	20	mg/Kg	2	✱	6020B	Total/NA
Arsenic	17		0.81	0.27	mg/Kg	2	✱	6020B	Total/NA
Barium	45		0.81	0.44	mg/Kg	2	✱	6020B	Total/NA
Beryllium	0.74		0.20	0.048	mg/Kg	2	✱	6020B	Total/NA
Cadmium	0.65		0.20	0.081	mg/Kg	2	✱	6020B	Total/NA
Calcium	10000		81	40	mg/Kg	2	✱	6020B	Total/NA
Chromium	50		0.81	0.77	mg/Kg	2	✱	6020B	Total/NA
Cobalt	8.4		0.41	0.16	mg/Kg	2	✱	6020B	Total/NA
Copper	23		0.81	0.37	mg/Kg	2	✱	6020B	Total/NA
Iron	27000		41	21	mg/Kg	2	✱	6020B	Total/NA
Silver	0.36		0.20	0.082	mg/Kg	2	✱	6020B	Total/NA
Potassium	4400		81	32	mg/Kg	2	✱	6020B	Total/NA
Magnesium	8000		20	9.9	mg/Kg	2	✱	6020B	Total/NA
Manganese	420		2.0	1.4	mg/Kg	2	✱	6020B	Total/NA
Sodium	14000		100	49	mg/Kg	2	✱	6020B	Total/NA
Nickel	23		0.81	0.39	mg/Kg	2	✱	6020B	Total/NA
Lead	34		0.41	0.18	mg/Kg	2	✱	6020B	Total/NA
Antimony	0.18	J	0.41	0.16	mg/Kg	2	✱	6020B	Total/NA
Selenium	0.72	J	0.81	0.20	mg/Kg	2	✱	6020B	Total/NA
Thallium	0.17	J	0.20	0.080	mg/Kg	2	✱	6020B	Total/NA
Vanadium	58		1.6	0.41	mg/Kg	2	✱	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

EurofinsPhiladelphia

Detection Summary

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: SC-2 COMPOSITE (C3+C7) (Continued)

Lab Sample ID: 630-138167-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	140		61	8.1	mg/Kg	2	✱	6020B	Total/NA
Mercury	0.21		0.13	0.045	mg/Kg	1	✱	7471B	Total/NA
Total Solids	46		0.10	0.10	%	1		2540G-2011	Total/NA
Cr (III)	50		0.011	0.0035	mg/Kg	1	✱	7196A	Total/NA
50 mm (Sieve Size 2 inch)	100.0				% Finer	1		D422	Total/NA
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer	1		D422	Total/NA
25 mm (Sieve Size 1 inch)	100.0				% Finer	1		D422	Total/NA
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer	1		D422	Total/NA
19 mm (Sieve Size 0.75 inch)	100.0				% Finer	1		D422	Total/NA
4.75 mm (Sieve Size #4)	99.4				% Finer	1		D422	Total/NA
2 mm (Sieve Size #10)	98.2				% Finer	1		D422	Total/NA
0.85 mm (Sieve Size #20)	94.5				% Finer	1		D422	Total/NA
0.425 mm (Sieve Size #40)	85.1				% Finer	1		D422	Total/NA
0.25 mm (Sieve Size #60)	79.8				% Finer	1		D422	Total/NA
0.18 mm (Sieve Size #80)	75.6				% Finer	1		D422	Total/NA
0.15 mm (Sieve Size #100)	73.7				% Finer	1		D422	Total/NA
0.075 mm (Sieve Size #200)	70.1				% Finer	1		D422	Total/NA
36.1 um (Hydrometer Reading 1)	35.2				% Finer	1		D422	Total/NA
22.9 um (Hydrometer Reading 2)	30.9				% Finer	1		D422	Total/NA
13.4 um (Hydrometer Reading 3)	25.2				% Finer	1		D422	Total/NA
9.8 um (Hydrometer Reading 4)	18.1				% Finer	1		D422	Total/NA
6.7 um (Hydrometer Reading 5)	15.2				% Finer	1		D422	Total/NA
3.3 um (Hydrometer Reading 6)	12.4				% Finer	1		D422	Total/NA
1.4 um (Hydrometer Reading 7)	10.9				% Finer	1		D422	Total/NA
Clay	15.2				%	1		D422	Total/NA
Gravel	0.6				%	1		D422	Total/NA
Coarse Sand	1.2				%	1		D422	Total/NA
Fine Sand	15.0				%	1		D422	Total/NA
Medium Sand	13.1				%	1		D422	Total/NA
Sand	29.3				%	1		D422	Total/NA
Silt	54.9				%	1		D422	Total/NA

Client Sample ID: SC-3 COMPOSITE (C5+C6+C8)

Lab Sample ID: 630-138167-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.0021	J	0.0081	0.0019	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Acenaphthene	0.0040	J	0.0081	0.0023	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Acenaphthylene	0.0074	J	0.0081	0.0018	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Anthracene	0.012		0.0081	0.0021	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Benzo[a]anthracene	0.031		0.0081	0.0036	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Benzo[b]fluoranthene	0.034		0.0081	0.0020	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Benzo[k]fluoranthene	0.011		0.0081	0.0024	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Benzo[g,h,i]perylene	0.019		0.0081	0.0017	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Benzo[a]pyrene	0.024		0.0081	0.0035	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Chrysene	0.035		0.0081	0.0045	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Dibenz(a,h)anthracene	0.0056	J	0.0081	0.0052	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Fluoranthene	0.063		0.0081	0.0021	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Fluorene	0.0039	J	0.0081	0.0016	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Indeno[1,2,3-cd]pyrene	0.015		0.0081	0.0040	mg/Kg	1	✱	EPA 8270E LL	Total/NA
Phenanthrene	0.017		0.0081	0.0022	mg/Kg	1	✱	EPA 8270E LL	Total/NA

This Detection Summary does not include radiochemical test results.

EurofinsPhiladelphia

Detection Summary

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: SC-3 COMPOSITE (C5+C6+C8) (Continued)

Lab Sample ID: 630-138167-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	0.048		0.0081	0.0028	mg/Kg	1	✱	EPA 8270E LL	Total/NA
4,4'-DDD (1C)	0.00016	J	0.00051	0.00011	mg/Kg	5	✱	EPA 8081B LL	Total/NA
4,4'-DDE (1C)	0.00033	J	0.00051	0.00010	mg/Kg	5	✱	EPA 8081B LL	Total/NA
PCB-1248 (1C)	0.0032		0.0010	0.00024	mg/Kg	1	✱	EPA 8082A	Total/NA
PCB-1260 (2C)	0.0024		0.0010	0.00029	mg/Kg	1	✱	EPA 8082A	Total/NA
Polychlorinated biphenyls, Total	0.0056		0.0010	0.00036	mg/Kg	1		PCB	Total/NA

Client Sample ID: SC-3 COMPOSITE (C5+C6+C8)

Lab Sample ID: 630-138167-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	20000		46	23	mg/Kg	2	✱	6020B	Total/NA
Arsenic	17		0.92	0.31	mg/Kg	2	✱	6020B	Total/NA
Barium	49		0.92	0.50	mg/Kg	2	✱	6020B	Total/NA
Beryllium	0.81		0.23	0.055	mg/Kg	2	✱	6020B	Total/NA
Cadmium	0.63		0.23	0.092	mg/Kg	2	✱	6020B	Total/NA
Calcium	9800		92	45	mg/Kg	2	✱	6020B	Total/NA
Chromium	55		0.92	0.88	mg/Kg	2	✱	6020B	Total/NA
Cobalt	9.0		0.46	0.18	mg/Kg	2	✱	6020B	Total/NA
Copper	23		0.92	0.42	mg/Kg	2	✱	6020B	Total/NA
Iron	29000		46	24	mg/Kg	2	✱	6020B	Total/NA
Silver	0.37		0.23	0.094	mg/Kg	2	✱	6020B	Total/NA
Potassium	4900		92	37	mg/Kg	2	✱	6020B	Total/NA
Magnesium	9100		23	11	mg/Kg	2	✱	6020B	Total/NA
Manganese	360		2.3	1.6	mg/Kg	2	✱	6020B	Total/NA
Sodium	16000		120	55	mg/Kg	2	✱	6020B	Total/NA
Nickel	25		0.92	0.44	mg/Kg	2	✱	6020B	Total/NA
Lead	31		0.46	0.20	mg/Kg	2	✱	6020B	Total/NA
Selenium	0.70	J	0.92	0.23	mg/Kg	2	✱	6020B	Total/NA
Thallium	0.19	J	0.23	0.091	mg/Kg	2	✱	6020B	Total/NA
Vanadium	62		1.8	0.46	mg/Kg	2	✱	6020B	Total/NA
Zinc	140		69	9.2	mg/Kg	2	✱	6020B	Total/NA
Mercury	0.17		0.14	0.045	mg/Kg	1	✱	7471B	Total/NA
Total Solids	42		0.10	0.10	%	1		2540G-2011	Total/NA
Cr (III)	55		0.011	0.0035	mg/Kg	1	✱	7196A	Total/NA
50 mm (Sieve Size 2 inch)	100.0				% Finer	1		D422	Total/NA
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer	1		D422	Total/NA
25 mm (Sieve Size 1 inch)	100.0				% Finer	1		D422	Total/NA
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer	1		D422	Total/NA
19 mm (Sieve Size 0.75 inch)	100.0				% Finer	1		D422	Total/NA
4.75 mm (Sieve Size #4)	100.0				% Finer	1		D422	Total/NA
2 mm (Sieve Size #10)	100.0				% Finer	1		D422	Total/NA
0.85 mm (Sieve Size #20)	98.1				% Finer	1		D422	Total/NA
0.425 mm (Sieve Size #40)	96.5				% Finer	1		D422	Total/NA
0.25 mm (Sieve Size #60)	94.9				% Finer	1		D422	Total/NA
0.18 mm (Sieve Size #80)	93.1				% Finer	1		D422	Total/NA
0.15 mm (Sieve Size #100)	92.1				% Finer	1		D422	Total/NA
0.075 mm (Sieve Size #200)	88.6				% Finer	1		D422	Total/NA
36.1 um (Hydrometer Reading 1)	43.4				% Finer	1		D422	Total/NA
22.9 um (Hydrometer Reading 2)	38.1				% Finer	1		D422	Total/NA
13.4 um (Hydrometer Reading 3)	24.8				% Finer	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

EurofinsPhiladelphia

Detection Summary

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,

Discrete

Client Sample ID: SC-3 COMPOSITE (C5+C6+C8) (Continued)

Lab Sample ID: 630-138167-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
9.8 um (Hydrometer Reading 4)	19.5				% Finer	1		D422	Total/NA
6.7 um (Hydrometer Reading 5)	19.5				% Finer	1		D422	Total/NA
3.3 um (Hydrometer Reading 6)	12.9				% Finer	1		D422	Total/NA
1.4 um (Hydrometer Reading 7)	11.5				% Finer	1		D422	Total/NA
Clay	19.5				%	1		D422	Total/NA
Gravel	0.0				%	1		D422	Total/NA
Coarse Sand	0.0				%	1		D422	Total/NA
Fine Sand	7.9				%	1		D422	Total/NA
Medium Sand	3.5				%	1		D422	Total/NA
Sand	11.4				%	1		D422	Total/NA
Silt	69.1				%	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

EurofinsPhiladelphia

Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: C-4 DISCRETE

Lab Sample ID: 630-138167-7

Date Collected: 06/10/26 12:34

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 51.2

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.032	U	0.032	0.012	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
1,2-Dichlorobenzene	0.032	U	0.032	0.010	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
1,2,4,5-Tetrachlorobenzene	0.032	U	0.032	0.013	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
1,3-Dichlorobenzene	0.032	U	0.032	0.011	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
1,4-Dichlorobenzene	0.032	U	0.032	0.012	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
1,4-Dioxane	0.065	U	0.065	0.020	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
1,2-Diphenylhydrazine(as Azobenzene)	0.032	U	0.032	0.014	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
1,2,4-Trichlorobenzene	0.032	U	0.032	0.0098	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
2-Chloronaphthalene	0.0065	U	0.0065	0.0015	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
2-Chlorophenol	0.032	U	0.032	0.012	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
2,3,4,6-Tetrachlorophenol	0.032	U	0.032	0.014	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
2,4-Dichlorophenol	0.0065	U	0.0065	0.0025	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
2,4-Dimethylphenol	0.032	U	0.032	0.011	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
2,4-Dinitrophenol	0.32	U	0.32	0.20	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
2,4-Dinitrotoluene	0.032	U	0.032	0.019	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
2,6-Dinitrotoluene	0.032	U	0.032	0.013	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
2-Methylnaphthalene	0.0065	U	0.0065	0.0016	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
2-Methylphenol	0.032	U	0.032	0.0093	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
Methylphenol, 3 & 4	0.032	U	0.032	0.0095	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
2-Nitroaniline	0.17	U	0.17	0.015	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
3-Nitroaniline	0.17	U	0.17	0.0082	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
4-Nitroaniline	0.17	U	0.17	0.012	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
2-Nitrophenol	0.032	U	0.032	0.012	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
4-Nitrophenol	0.17	U	0.17	0.023	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
2,2'-oxybis[1-chloropropane]	0.0065	U	0.0065	0.0024	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
2,4,5-Trichlorophenol	0.032	U	0.032	0.011	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
2,4,6-Trichlorophenol	0.032	U	0.032	0.011	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
4-Chloro-3-methylphenol	0.032	U	0.032	0.011	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
4-Chlorophenyl phenyl ether	0.032	U	0.032	0.011	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
4,6-Dinitro-2-methylphenol	0.17	U	0.17	0.056	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
Cresols, Total	0.064	U	0.064	0.018	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
Acenaphthene	0.0034	J	0.0065	0.0019	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
Acenaphthylene	0.0086		0.0065	0.0014	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
Acetophenone	0.065	U	0.065	0.011	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
Aniline	0.032	U	0.032	0.0084	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
Anthracene	0.013		0.0065	0.0017	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
Atrazine	0.065	U	0.065	0.014	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
Benzaldehyde	0.065	U	0.065	0.0040	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
Benzidine	0.65	U	0.65	0.24	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
Benzo[a]anthracene	0.029		0.0065	0.0029	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
Benzo[b]fluoranthene	0.039		0.0065	0.0016	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
Benzo[k]fluoranthene	0.018		0.0065	0.0019	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
Benzoic acid	0.17	U	0.17	0.072	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
Benzo[g,h,i]perylene	0.016		0.0065	0.0014	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
Benzo[a]pyrene	0.021		0.0065	0.0028	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
Bis(2-chloroethoxy)methane	0.032	U	0.032	0.012	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
Bis(2-chloroethyl)ether	0.0065	U	0.0065	0.0020	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1
Bis(2-ethylhexyl) phthalate	0.32	U	0.32	0.035	mg/Kg	☆	06/24/26 05:24	06/24/26 19:24	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: C-4 DISCRETE

Lab Sample ID: 630-138167-7

Date Collected: 06/10/26 12:34

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 51.2

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	0.032	U	0.032	0.014	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Butyl benzyl phthalate	0.16	U	0.16	0.022	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Caprolactam	0.17	U	0.17	0.021	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Carbazole	0.0053	J	0.0065	0.0015	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
4-Chloroaniline	0.032	U	0.032	0.0085	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Chrysene	0.056		0.0065	0.0036	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Dibenz(a,h)anthracene	0.0065	U	0.0065	0.0042	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Dibenzofuran	0.032	U	0.032	0.012	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Di-n-butyl phthalate	0.32	U	0.32	0.067	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Di-n-octyl phthalate	0.032	U	0.032	0.019	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Diethyl phthalate	0.032	U	0.032	0.011	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Dimethyl phthalate	0.065	U	0.065	0.036	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Fluoranthene	0.13		0.0065	0.0017	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Fluorene	0.0035	J	0.0065	0.0013	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Hexachlorobenzene	0.0065	U	0.0065	0.0023	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Hexachlorobutadiene	0.0065	U	0.0065	0.0019	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Hexachlorocyclopentadiene	0.032	U	0.032	0.0088	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Hexachloroethane	0.032	U	0.032	0.011	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Indeno[1,2,3-cd]pyrene	0.016		0.0065	0.0032	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Isophorone	0.032	U	0.032	0.012	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Naphthalene	0.0065	U	0.0065	0.0013	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Nitrobenzene	0.065	U	0.065	0.012	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
N-Nitrosodimethylamine	0.032	U	0.032	0.012	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
N-Nitrosodiphenylamine	0.032	U	0.032	0.011	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
N-Nitrosodi-n-propylamine	0.0065	U	0.0065	0.0022	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Pentachlorophenol	0.17	U	0.17	0.052	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Phenanthrene	0.019		0.0065	0.0017	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Phenol	0.032	U	0.032	0.0098	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Pyrene	0.089		0.0065	0.0023	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Pyridine	0.065	U	0.065	0.017	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
Benzyl alcohol	0.16	U	0.16	0.044	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1
3,3'-Dichlorobenzidine	0.032	U	0.032	0.030	mg/Kg	✱	06/24/26 05:24	06/24/26 19:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	64		30 - 105	06/24/26 05:24	06/24/26 19:24	1
2-Fluorophenol (Surr)	69		25 - 105	06/24/26 05:24	06/24/26 19:24	1
2,4,6-Tribromophenol (Surr)	73		20 - 119	06/24/26 05:24	06/24/26 19:24	1
Nitrobenzene-d5 (Surr)	66		27 - 105	06/24/26 05:24	06/24/26 19:24	1
Phenol-d5 (Surr)	65		29 - 105	06/24/26 05:24	06/24/26 19:24	1
Terphenyl-d14 (Surr)	60		29 - 105	06/24/26 05:24	06/24/26 19:24	1

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	0.00040	U	0.00040	0.00013	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
alpha-BHC (1C)	0.00027	J	0.00040	0.000099	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
beta-BHC (1C)	0.00040	U	0.00040	0.00011	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
delta-BHC (1C)	0.00040	U	0.00040	0.00013	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
gamma-BHC (Lindane) (1C)	0.00040	U	0.00040	0.00010	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
cis-Chlordane (1C)	0.00040	U	0.00040	0.00010	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: C-4 DISCRETE

Lab Sample ID: 630-138167-7

Date Collected: 06/10/26 12:34

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 51.2

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-Chlordane (1C)	0.00040	U	0.00040	0.000094	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
Chlordane (technical) (1C)	0.0040	U	0.0040	0.0017	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
4,4'-DDD (1C)	0.00011	J p	0.00040	0.000085	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
4,4'-DDE (1C)	0.00061		0.00040	0.000082	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
4,4'-DDT (1C)	0.00040	U	0.00040	0.00029	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
Dieldrin (1C)	0.00040	U	0.00040	0.00010	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
Endosulfan I (1C)	0.00040	U	0.00040	0.00011	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
Endosulfan II (1C)	0.00040	U	0.00040	0.000089	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
Endosulfan sulfate (1C)	0.00040	U	0.00040	0.00019	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
Endrin (1C)	0.00040	U	0.00040	0.000075	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
Endrin aldehyde (1C)	0.00040	U	0.00040	0.00014	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
Endrin ketone (1C)	0.00040	U	0.00040	0.00016	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
Heptachlor (1C)	0.00040	U	0.00040	0.00013	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
Heptachlor epoxide (1C)	0.00040	U	0.00040	0.00010	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
Methoxychlor (1C)	0.00040	U	0.00040	0.00016	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
Mirex (1C)	0.00040	U	0.00040	0.00029	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
Toxaphene (1C)	0.016	U	0.016	0.011	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5
Endosulfan, Total (1C)	0.00080	U	0.00080	0.00020	mg/Kg	✱	06/24/26 05:51	06/25/26 22:02	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr) (1C)	55		18 - 145	06/24/26 05:51	06/25/26 22:02	5
Tetrachloro-m-xylene (Surr) (2C)	52		18 - 145	06/24/26 05:51	06/25/26 22:02	5
DCB Decachlorobiphenyl (Surr) (1C)	55		37 - 147	06/24/26 05:51	06/25/26 22:02	5
DCB Decachlorobiphenyl (Surr) (2C)	73		37 - 147	06/24/26 05:51	06/25/26 22:02	5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	0.00081	U	0.00081	0.00026	mg/Kg	✱	06/23/26 05:15	06/24/26 16:28	1
PCB-1221 (1C)	0.00081	U	0.00081	0.00029	mg/Kg	✱	06/23/26 05:15	06/24/26 16:28	1
PCB-1232 (1C)	0.00081	U	0.00081	0.00020	mg/Kg	✱	06/23/26 05:15	06/24/26 16:28	1
PCB-1242 (1C)	0.00081	U	0.00081	0.00012	mg/Kg	✱	06/23/26 05:15	06/24/26 16:28	1
PCB-1248 (1C)	0.00081	U	0.00081	0.00020	mg/Kg	✱	06/23/26 05:15	06/24/26 16:28	1
PCB-1254 (1C)	0.00081	U	0.00081	0.00024	mg/Kg	✱	06/23/26 05:15	06/24/26 16:28	1
PCB-1260 (1C)	0.00081	U	0.00081	0.00023	mg/Kg	✱	06/23/26 05:15	06/24/26 16:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	77		24 - 125	06/23/26 05:15	06/24/26 16:28	1
DCB Decachlorobiphenyl (Surr) (2C)	64		24 - 125	06/23/26 05:15	06/24/26 16:28	1
Tetrachloro-m-xylene (Surr) (1C)	39	S1-	41 - 105	06/23/26 05:15	06/24/26 16:28	1
Tetrachloro-m-xylene (Surr) (2C)	49		41 - 105	06/23/26 05:15	06/24/26 16:28	1

Method: TAL SOP PCB - Total PCB Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.00081	U	0.00081	0.00029	mg/Kg			06/24/26 16:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	48.8		0.1	0.1	%			06/23/26 10:03	1
Percent Solids (SM22 2540G)	51.2		0.1	0.1	%			06/23/26 10:03	1
Cyanide, Total (SW846 EPA 9014)	0.42	U F2 F1 *+	0.42	0.32	mg/Kg	✱	06/23/26 13:35	06/24/26 14:22	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

Client Sample ID: C-4 DISCRETE

Lab Sample ID: 630-138167-7

Date Collected: 06/10/26 12:34

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 51.2

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (EPA-Lloyd Kahn)	40000		2000	1900	mg/Kg	☆		06/24/26 14:56	1

Client Sample ID: C-4 DISCRETE

Lab Sample ID: 630-138167-8

Date Collected: 06/10/26 12:34

Matrix: Solid

Date Received: 06/16/26 09:49

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G-2011)	51		0.10	0.10	%			06/17/26 21:58	1
Total Solids (SM 2540G-2011)	49		0.10	0.10	%			06/17/26 21:58	1
Percent Solids (SM 2540G-2011)	49		0.10	0.10	%			06/17/26 21:58	1
Cr (III) (SW846 7196A)	25		0.011	0.0035	mg/Kg	☆		06/17/26 06:27	1
Percent Moisture (EPA Moisture)	50.2		1.0	1.0	%			06/17/26 08:23	1
Percent Solids (EPA Moisture)	49.8		1.0	1.0	%			06/17/26 08:23	1

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
50 mm (Sieve Size 2 inch)	100.0				% Finer			06/26/26 20:33	1
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer			06/26/26 20:33	1
25 mm (Sieve Size 1 inch)	100.0				% Finer			06/26/26 20:33	1
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer			06/26/26 20:33	1
19 mm (Sieve Size 0.75 inch)	100.0				% Finer			06/26/26 20:33	1
4.75 mm (Sieve Size #4)	98.6				% Finer			06/26/26 20:33	1
2 mm (Sieve Size #10)	93.8				% Finer			06/26/26 20:33	1
0.85 mm (Sieve Size #20)	75.5				% Finer			06/26/26 20:33	1
0.425 mm (Sieve Size #40)	60.8				% Finer			06/26/26 20:33	1
0.25 mm (Sieve Size #60)	54.3				% Finer			06/26/26 20:33	1
0.18 mm (Sieve Size #80)	49.2				% Finer			06/26/26 20:33	1
0.15 mm (Sieve Size #100)	46.7				% Finer			06/26/26 20:33	1
0.075 mm (Sieve Size #200)	40.6				% Finer			06/26/26 20:33	1
36.1 um (Hydrometer Reading 1)	20.1				% Finer			06/26/26 20:33	1
22.9 um (Hydrometer Reading 2)	17.7				% Finer			06/26/26 20:33	1
13.4 um (Hydrometer Reading 3)	14.1				% Finer			06/26/26 20:33	1
9.8 um (Hydrometer Reading 4)	11.7				% Finer			06/26/26 20:33	1
6.7 um (Hydrometer Reading 5)	10.4				% Finer			06/26/26 20:33	1
3.3 um (Hydrometer Reading 6)	8.0				% Finer			06/26/26 20:33	1
1.4 um (Hydrometer Reading 7)	8.0				% Finer			06/26/26 20:33	1
Clay	10.4				%			06/26/26 20:33	1
Gravel	1.4				%			06/26/26 20:33	1
Coarse Sand	4.8				%			06/26/26 20:33	1
Fine Sand	20.2				%			06/26/26 20:33	1
Medium Sand	33.0				%			06/26/26 20:33	1
Sand	58.0				%			06/26/26 20:33	1
Silt	30.2				%			06/26/26 20:33	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: C-4 DISCRETE

Lab Sample ID: 630-138167-8

Date Collected: 06/10/26 12:34

Matrix: Solid

Date Received: 06/16/26 09:49

Percent Solids: 49.8

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9200		39	19	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Arsenic	9.5		0.79	0.26	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Barium	25		0.79	0.43	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Beryllium	0.41		0.20	0.047	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Cadmium	0.42		0.20	0.079	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Calcium	11000		79	39	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Chromium	25		0.79	0.75	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Cobalt	4.3		0.39	0.16	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Copper	12	B	0.79	0.35	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Iron	14000		39	21	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Silver	0.20		0.20	0.080	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Potassium	2400		79	32	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Magnesium	4900		20	9.6	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Manganese	170		2.0	1.4	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Sodium	10000		98	47	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Nickel	11		0.79	0.37	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Lead	15		0.39	0.17	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Antimony	0.39	U	0.39	0.16	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Selenium	0.40	J	0.79	0.20	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Thallium	0.11	J	0.20	0.077	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Vanadium	30		1.6	0.39	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2
Zinc	75		59	7.9	mg/Kg	✱	06/25/26 09:24	06/25/26 19:52	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.095	J	0.12	0.039	mg/Kg	✱	07/01/26 12:40	07/01/26 18:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	4.4	U	4.4	3.9	mg/Kg	✱	06/24/26 20:31	06/25/26 19:51	5

Client Sample ID: SC-1 COMPOSITE (C1+C2)

Lab Sample ID: 630-138167-17

Date Collected: 06/16/26 11:10

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 41.0

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.040	U	0.040	0.015	mg/Kg	✱	06/24/26 05:24	06/24/26 19:45	1
1,2-Dichlorobenzene	0.040	U	0.040	0.013	mg/Kg	✱	06/24/26 05:24	06/24/26 19:45	1
1,2,4,5-Tetrachlorobenzene	0.040	U	0.040	0.016	mg/Kg	✱	06/24/26 05:24	06/24/26 19:45	1
1,3-Dichlorobenzene	0.040	U	0.040	0.013	mg/Kg	✱	06/24/26 05:24	06/24/26 19:45	1
1,4-Dichlorobenzene	0.040	U	0.040	0.015	mg/Kg	✱	06/24/26 05:24	06/24/26 19:45	1
1,4-Dioxane	0.080	U	0.080	0.025	mg/Kg	✱	06/24/26 05:24	06/24/26 19:45	1
1,2-Diphenylhydrazine(as Azobenzene)	0.040	U	0.040	0.018	mg/Kg	✱	06/24/26 05:24	06/24/26 19:45	1
1,2,4-Trichlorobenzene	0.040	U	0.040	0.012	mg/Kg	✱	06/24/26 05:24	06/24/26 19:45	1
2-Chloronaphthalene	0.0081	U	0.0081	0.0018	mg/Kg	✱	06/24/26 05:24	06/24/26 19:45	1
2-Chlorophenol	0.040	U	0.040	0.015	mg/Kg	✱	06/24/26 05:24	06/24/26 19:45	1
2,3,4,6-Tetrachlorophenol	0.040	U	0.040	0.017	mg/Kg	✱	06/24/26 05:24	06/24/26 19:45	1
2,4-Dichlorophenol	0.0081	U	0.0081	0.0031	mg/Kg	✱	06/24/26 05:24	06/24/26 19:45	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: SC-1 COMPOSITE (C1+C2)

Lab Sample ID: 630-138167-17

Date Collected: 06/16/26 11:10

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 41.0

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	0.040	U	0.040	0.014	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
2,4-Dinitrophenol	0.40	U	0.40	0.25	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
2,4-Dinitrotoluene	0.040	U	0.040	0.024	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
2,6-Dinitrotoluene	0.040	U	0.040	0.016	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
2-Methylnaphthalene	0.0081	U	0.0081	0.0019	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
2-Methylphenol	0.040	U	0.040	0.012	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Methylphenol, 3 & 4	0.040	U	0.040	0.012	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
2-Nitroaniline	0.20	U	0.20	0.018	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
3-Nitroaniline	0.20	U	0.20	0.010	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
4-Nitroaniline	0.20	U	0.20	0.015	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
2-Nitrophenol	0.040	U	0.040	0.015	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
4-Nitrophenol	0.20	U	0.20	0.028	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
2,2'-oxybis[1-chloropropane]	0.0081	U	0.0081	0.0030	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
2,4,5-Trichlorophenol	0.040	U	0.040	0.014	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
2,4,6-Trichlorophenol	0.040	U	0.040	0.013	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
4-Chloro-3-methylphenol	0.040	U	0.040	0.014	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
4-Chlorophenyl phenyl ether	0.040	U	0.040	0.013	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
4,6-Dinitro-2-methylphenol	0.20	U	0.20	0.069	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Cresols, Total	0.080	U	0.080	0.023	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Acenaphthene	0.0081	U	0.0081	0.0023	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Acenaphthylene	0.0086		0.0081	0.0018	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Acetophenone	0.081	U	0.081	0.014	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Aniline	0.040	U	0.040	0.010	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Anthracene	0.010		0.0081	0.0021	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Atrazine	0.081	U	0.081	0.018	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Benzaldehyde	0.081	U	0.081	0.0050	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Benzidine	0.81	U	0.81	0.30	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Benzo[a]anthracene	0.025		0.0081	0.0036	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Benzo[b]fluoranthene	0.033		0.0081	0.0020	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Benzo[k]fluoranthene	0.014		0.0081	0.0024	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Benzoic acid	0.20	U	0.20	0.089	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Benzo[g,h,i]perylene	0.021		0.0081	0.0017	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Benzo[a]pyrene	0.026		0.0081	0.0035	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Bis(2-chloroethoxy)methane	0.040	U	0.040	0.015	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Bis(2-chloroethyl)ether	0.0081	U	0.0081	0.0025	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Bis(2-ethylhexyl) phthalate	0.40	U	0.40	0.043	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
4-Bromophenyl phenyl ether	0.040	U	0.040	0.017	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Butyl benzyl phthalate	0.20	U	0.20	0.028	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Caprolactam	0.20	U	0.20	0.026	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Carbazole	0.0081	U	0.0081	0.0019	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
4-Chloroaniline	0.040	U	0.040	0.011	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Chrysene	0.031		0.0081	0.0045	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Dibenz(a,h)anthracene	0.0077	J	0.0081	0.0051	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Dibenzofuran	0.040	U	0.040	0.015	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Di-n-butyl phthalate	0.40	U	0.40	0.084	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Di-n-octyl phthalate	0.040	U	0.040	0.023	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Diethyl phthalate	0.040	U	0.040	0.014	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Dimethyl phthalate	0.081	U	0.081	0.045	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: SC-1 COMPOSITE (C1+C2)

Lab Sample ID: 630-138167-17

Date Collected: 06/16/26 11:10

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 41.0

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	0.046		0.0081	0.0021	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Fluorene	0.0081	U	0.0081	0.0016	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Hexachlorobenzene	0.0081	U	0.0081	0.0029	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Hexachlorobutadiene	0.0081	U	0.0081	0.0024	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Hexachlorocyclopentadiene	0.040	U	0.040	0.011	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Hexachloroethane	0.040	U	0.040	0.014	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Indeno[1,2,3-cd]pyrene	0.018		0.0081	0.0040	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Isophorone	0.040	U	0.040	0.015	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Naphthalene	0.0081	U	0.0081	0.0016	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Nitrobenzene	0.080	U	0.080	0.015	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
N-Nitrosodimethylamine	0.040	U	0.040	0.015	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
N-Nitrosodiphenylamine	0.040	U	0.040	0.013	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
N-Nitrosodi-n-propylamine	0.0081	U	0.0081	0.0027	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Pentachlorophenol	0.20	U	0.20	0.065	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Phenanthrene	0.017		0.0081	0.0022	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Phenol	0.040	U	0.040	0.012	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Pyrene	0.033		0.0081	0.0028	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Pyridine	0.081	U	0.081	0.022	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
Benzyl alcohol	0.20	U	0.20	0.054	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1
3,3'-Dichlorobenzidine	0.040	U	0.040	0.038	mg/Kg	☆	06/24/26 05:24	06/24/26 19:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	63		30 - 105	06/24/26 05:24	06/24/26 19:45	1
2-Fluorophenol (Surr)	69		25 - 105	06/24/26 05:24	06/24/26 19:45	1
2,4,6-Tribromophenol (Surr)	73		20 - 119	06/24/26 05:24	06/24/26 19:45	1
Nitrobenzene-d5 (Surr)	63		27 - 105	06/24/26 05:24	06/24/26 19:45	1
Phenol-d5 (Surr)	65		29 - 105	06/24/26 05:24	06/24/26 19:45	1
Terphenyl-d14 (Surr)	59		29 - 105	06/24/26 05:24	06/24/26 19:45	1

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	0.00050	U	0.00050	0.00016	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
alpha-BHC (2C)	0.00016	J p	0.00050	0.00012	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
beta-BHC (1C)	0.00050	U	0.00050	0.00014	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
delta-BHC (1C)	0.00050	U	0.00050	0.00016	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
gamma-BHC (Lindane) (1C)	0.00050	U	0.00050	0.00013	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
cis-Chlordane (1C)	0.00050	U	0.00050	0.00013	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
trans-Chlordane (1C)	0.00050	U	0.00050	0.00012	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
Chlordane (technical) (1C)	0.0050	U	0.0050	0.0021	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
4,4'-DDD (1C)	0.00025	J	0.00050	0.00011	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
4,4'-DDE (1C)	0.00058		0.00050	0.00010	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
4,4'-DDT (1C)	0.00050	U	0.00050	0.00036	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
Dieldrin (1C)	0.00050	U	0.00050	0.00013	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
Endosulfan I (1C)	0.00050	U	0.00050	0.00014	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
Endosulfan II (1C)	0.00050	U	0.00050	0.00011	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
Endosulfan sulfate (1C)	0.00050	U	0.00050	0.00023	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
Endrin (1C)	0.00050	U	0.00050	0.000094	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
Endrin aldehyde (1C)	0.00050	U	0.00050	0.00018	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
Endrin ketone (1C)	0.00050	U	0.00050	0.00020	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: SC-1 COMPOSITE (C1+C2)

Lab Sample ID: 630-138167-17

Date Collected: 06/16/26 11:10

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 41.0

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor (1C)	0.00050	U	0.00050	0.00016	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
Heptachlor epoxide (1C)	0.00050	U	0.00050	0.00013	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
Methoxychlor (1C)	0.00050	U	0.00050	0.00020	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
Mirex (1C)	0.00050	U	0.00050	0.00036	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
Toxaphene (1C)	0.020	U	0.020	0.014	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5
Endosulfan, Total (1C)	0.0010	U	0.0010	0.00025	mg/Kg	☆	06/24/26 05:51	06/25/26 22:21	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr) (1C)	58		18 - 145	06/24/26 05:51	06/25/26 22:21	5
Tetrachloro-m-xylene (Surr) (2C)	53		18 - 145	06/24/26 05:51	06/25/26 22:21	5
DCB Decachlorobiphenyl (Surr) (1C)	62		37 - 147	06/24/26 05:51	06/25/26 22:21	5
DCB Decachlorobiphenyl (Surr) (2C)	66		37 - 147	06/24/26 05:51	06/25/26 22:21	5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	0.0010	U	0.0010	0.00033	mg/Kg	☆	06/23/26 05:15	06/24/26 16:46	1
PCB-1221 (1C)	0.0010	U	0.0010	0.00036	mg/Kg	☆	06/23/26 05:15	06/24/26 16:46	1
PCB-1232 (1C)	0.0010	U	0.0010	0.00025	mg/Kg	☆	06/23/26 05:15	06/24/26 16:46	1
PCB-1242 (1C)	0.0010	U	0.0010	0.00015	mg/Kg	☆	06/23/26 05:15	06/24/26 16:46	1
PCB-1248 (1C)	0.0010	U	0.0010	0.00024	mg/Kg	☆	06/23/26 05:15	06/24/26 16:46	1
PCB-1254 (1C)	0.0010	U	0.0010	0.00030	mg/Kg	☆	06/23/26 05:15	06/24/26 16:46	1
PCB-1260 (1C)	0.00079	J	0.0010	0.00029	mg/Kg	☆	06/23/26 05:15	06/24/26 16:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	75		24 - 125	06/23/26 05:15	06/24/26 16:46	1
DCB Decachlorobiphenyl (Surr) (2C)	67		24 - 125	06/23/26 05:15	06/24/26 16:46	1
Tetrachloro-m-xylene (Surr) (1C)	45		41 - 105	06/23/26 05:15	06/24/26 16:46	1
Tetrachloro-m-xylene (Surr) (2C)	59		41 - 105	06/23/26 05:15	06/24/26 16:46	1

Method: TAL SOP PCB - Total PCB Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.00079	J	0.0010	0.00036	mg/Kg			06/24/26 16:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	59.0		0.1	0.1	%			06/23/26 10:03	1
Percent Solids (SM22 2540G)	41.0		0.1	0.1	%			06/23/26 10:03	1
Cyanide, Total (SW846 EPA 9014)	0.46	U	0.46	0.35	mg/Kg	☆	06/23/26 13:35	06/24/26 14:25	1

Client Sample ID: SC-1 COMPOSITE (C1+C2)

Lab Sample ID: 630-138167-18

Date Collected: 06/16/26 11:10

Matrix: Solid

Date Received: 06/16/26 09:49

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G-2011)	57		0.10	0.10	%			06/22/26 10:54	1
Total Solids (SM 2540G-2011)	43		0.10	0.10	%			06/22/26 10:54	1
Percent Solids (SM 2540G-2011)	43		0.10	0.10	%			06/22/26 10:54	1
Cr (III) (SW846 7196A)	49		0.011	0.0035	mg/Kg	☆		06/17/26 06:27	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: SC-1 COMPOSITE (C1+C2)

Lab Sample ID: 630-138167-18

Date Collected: 06/16/26 11:10

Matrix: Solid

Date Received: 06/16/26 09:49

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	57.4		1.0	1.0	%			06/17/26 08:23	1
Percent Solids (EPA Moisture)	42.6		1.0	1.0	%			06/17/26 08:23	1

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
50 mm (Sieve Size 2 inch)	100.0				% Finer			06/26/26 20:33	1
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer			06/26/26 20:33	1
25 mm (Sieve Size 1 inch)	100.0				% Finer			06/26/26 20:33	1
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer			06/26/26 20:33	1
19 mm (Sieve Size 0.75 inch)	100.0				% Finer			06/26/26 20:33	1
4.75 mm (Sieve Size #4)	100.0				% Finer			06/26/26 20:33	1
2 mm (Sieve Size #10)	100.0				% Finer			06/26/26 20:33	1
0.85 mm (Sieve Size #20)	96.0				% Finer			06/26/26 20:33	1
0.425 mm (Sieve Size #40)	92.6				% Finer			06/26/26 20:33	1
0.25 mm (Sieve Size #60)	89.6				% Finer			06/26/26 20:33	1
0.18 mm (Sieve Size #80)	87.0				% Finer			06/26/26 20:33	1
0.15 mm (Sieve Size #100)	85.5				% Finer			06/26/26 20:33	1
0.075 mm (Sieve Size #200)	80.5				% Finer			06/26/26 20:33	1
36.1 um (Hydrometer Reading 1)	34.6				% Finer			06/26/26 20:33	1
22.9 um (Hydrometer Reading 2)	28.1				% Finer			06/26/26 20:33	1
13.4 um (Hydrometer Reading 3)	20.3				% Finer			06/26/26 20:33	1
9.8 um (Hydrometer Reading 4)	16.4				% Finer			06/26/26 20:33	1
6.7 um (Hydrometer Reading 5)	13.8				% Finer			06/26/26 20:33	1
3.3 um (Hydrometer Reading 6)	10				% Finer			06/26/26 20:33	1
1.4 um (Hydrometer Reading 7)	8.7				% Finer			06/26/26 20:33	1
Clay	13.8				%			06/26/26 20:33	1
Gravel	0.0				%			06/26/26 20:33	1
Coarse Sand	0.0				%			06/26/26 20:33	1
Fine Sand	12.1				%			06/26/26 20:33	1
Medium Sand	7.4				%			06/26/26 20:33	1
Sand	19.5				%			06/26/26 20:33	1
Silt	66.7				%			06/26/26 20:33	1

Client Sample ID: SC-1 COMPOSITE (C1+C2)

Lab Sample ID: 630-138167-18

Date Collected: 06/16/26 11:10

Matrix: Solid

Date Received: 06/16/26 09:49

Percent Solids: 42.6

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	18000		43	21	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2
Arsenic	21		0.85	0.29	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2
Barium	43		0.85	0.46	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2
Beryllium	0.76		0.21	0.051	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2
Cadmium	0.78		0.21	0.085	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2
Calcium	12000		85	42	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2
Chromium	49		0.85	0.81	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2
Cobalt	8.3		0.43	0.17	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2
Copper	24		0.85	0.38	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2
Iron	28000		43	22	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: SC-1 COMPOSITE (C1+C2)

Lab Sample ID: 630-138167-18

Date Collected: 06/16/26 11:10

Matrix: Solid

Date Received: 06/16/26 09:49

Percent Solids: 42.6

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.37		0.21	0.087	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2
Potassium	4400		85	34	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2
Magnesium	8500		21	10	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2
Manganese	340		2.1	1.5	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2
Sodium	16000		110	51	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2
Nickel	23		0.85	0.41	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2
Lead	27		0.43	0.18	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2
Antimony	0.43	U	0.43	0.17	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2
Selenium	0.80	J	0.85	0.21	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2
Thallium	0.20	J	0.21	0.084	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2
Vanadium	61		1.7	0.43	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2
Zinc	140		64	8.5	mg/Kg	✱	06/29/26 09:31	06/29/26 21:05	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.21		0.13	0.043	mg/Kg	✱	07/01/26 12:40	07/01/26 18:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	10	U	10	8.9	mg/Kg	✱	06/24/26 20:31	06/25/26 19:51	10

Client Sample ID: SC-2 COMPOSITE (C3+C7)

Lab Sample ID: 630-138167-19

Date Collected: 06/16/26 11:48

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 45.7

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.036	U	0.036	0.013	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
1,2-Dichlorobenzene	0.036	U	0.036	0.012	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
1,2,4,5-Tetrachlorobenzene	0.036	U	0.036	0.014	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
1,3-Dichlorobenzene	0.036	U	0.036	0.012	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
1,4-Dichlorobenzene	0.036	U	0.036	0.013	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
1,4-Dioxane	0.072	U	0.072	0.023	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
1,2-Diphenylhydrazine(as Azobenzene)	0.036	U	0.036	0.016	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
1,2,4-Trichlorobenzene	0.036	U	0.036	0.011	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
2-Chloronaphthalene	0.0073	U	0.0073	0.0017	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
2-Chlorophenol	0.036	U	0.036	0.013	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
2,3,4,6-Tetrachlorophenol	0.036	U	0.036	0.015	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
2,4-Dichlorophenol	0.0073	U	0.0073	0.0028	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
2,4-Dimethylphenol	0.036	U	0.036	0.012	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
2,4-Dinitrophenol	0.36	U	0.36	0.22	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
2,4-Dinitrotoluene	0.036	U	0.036	0.022	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
2,6-Dinitrotoluene	0.036	U	0.036	0.014	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
2-Methylnaphthalene	0.0023	J	0.0073	0.0017	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
2-Methylphenol	0.036	U	0.036	0.010	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Methylphenol, 3 & 4	0.036	U	0.036	0.011	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
2-Nitroaniline	0.18	U	0.18	0.016	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
3-Nitroaniline	0.18	U	0.18	0.0092	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
4-Nitroaniline	0.18	U	0.18	0.013	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: SC-2 COMPOSITE (C3+C7)

Lab Sample ID: 630-138167-19

Date Collected: 06/16/26 11:48

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 45.7

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	0.036	U	0.036	0.013	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
4-Nitrophenol	0.18	U	0.18	0.025	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
2,2'-oxybis[1-chloropropane]	0.0073	U	0.0073	0.0027	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
2,4,5-Trichlorophenol	0.036	U	0.036	0.013	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
2,4,6-Trichlorophenol	0.036	U	0.036	0.012	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
4-Chloro-3-methylphenol	0.036	U	0.036	0.013	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
4-Chlorophenyl phenyl ether	0.036	U	0.036	0.012	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
4,6-Dinitro-2-methylphenol	0.18	U	0.18	0.062	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Cresols, Total	0.072	U	0.072	0.020	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Acenaphthene	0.0080		0.0073	0.0021	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Acenaphthylene	0.0055	J	0.0073	0.0016	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Acetophenone	0.073	U	0.073	0.013	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Aniline	0.036	U	0.036	0.0093	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Anthracene	0.014		0.0073	0.0019	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Atrazine	0.073	U	0.073	0.016	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Benzaldehyde	0.073	U	0.073	0.0045	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Benzidine	0.73	U	0.73	0.27	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Benzo[a]anthracene	0.026		0.0073	0.0033	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Benzo[b]fluoranthene	0.026		0.0073	0.0018	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Benzo[k]fluoranthene	0.014		0.0073	0.0022	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Benzoic acid	0.18	U	0.18	0.080	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Benzo[g,h,i]perylene	0.016		0.0073	0.0016	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Benzo[a]pyrene	0.020		0.0073	0.0031	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Bis(2-chloroethoxy)methane	0.036	U	0.036	0.013	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Bis(2-chloroethyl)ether	0.0073	U	0.0073	0.0022	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.039	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
4-Bromophenyl phenyl ether	0.036	U	0.036	0.015	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Butyl benzyl phthalate	0.18	U	0.18	0.025	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Caprolactam	0.18	U	0.18	0.024	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Carbazole	0.0073	U	0.0073	0.0017	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
4-Chloroaniline	0.036	U	0.036	0.0095	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Chrysene	0.032		0.0073	0.0040	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Dibenz(a,h)anthracene	0.0073	U	0.0073	0.0046	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Dibenzofuran	0.036	U	0.036	0.013	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Di-n-butyl phthalate	0.36	U	0.36	0.075	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Di-n-octyl phthalate	0.036	U	0.036	0.021	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Diethyl phthalate	0.036	U	0.036	0.013	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Dimethyl phthalate	0.073	U	0.073	0.040	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Fluoranthene	0.071		0.0073	0.0019	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Fluorene	0.0050	J	0.0073	0.0014	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Hexachlorobenzene	0.0073	U	0.0073	0.0026	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Hexachlorobutadiene	0.0073	U	0.0073	0.0021	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Hexachlorocyclopentadiene	0.036	U	0.036	0.0098	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Hexachloroethane	0.036	U	0.036	0.013	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Indeno[1,2,3-cd]pyrene	0.013		0.0073	0.0036	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Isophorone	0.036	U	0.036	0.014	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Naphthalene	0.0042	J	0.0073	0.0014	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1
Nitrobenzene	0.072	U	0.072	0.013	mg/Kg	✱	06/24/26 05:24	06/24/26 20:07	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: SC-2 COMPOSITE (C3+C7)

Lab Sample ID: 630-138167-19

Date Collected: 06/16/26 11:48

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 45.7

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	0.036	U	0.036	0.014	mg/Kg	☆	06/24/26 05:24	06/24/26 20:07	1
N-Nitrosodiphenylamine	0.036	U	0.036	0.012	mg/Kg	☆	06/24/26 05:24	06/24/26 20:07	1
N-Nitrosodi-n-propylamine	0.0073	U	0.0073	0.0024	mg/Kg	☆	06/24/26 05:24	06/24/26 20:07	1
Pentachlorophenol	0.18	U	0.18	0.058	mg/Kg	☆	06/24/26 05:24	06/24/26 20:07	1
Phenanthrene	0.023		0.0073	0.0019	mg/Kg	☆	06/24/26 05:24	06/24/26 20:07	1
Phenol	0.036	U	0.036	0.011	mg/Kg	☆	06/24/26 05:24	06/24/26 20:07	1
Pyrene	0.052		0.0073	0.0025	mg/Kg	☆	06/24/26 05:24	06/24/26 20:07	1
Pyridine	0.073	U	0.073	0.020	mg/Kg	☆	06/24/26 05:24	06/24/26 20:07	1
Benzyl alcohol	0.18	U	0.18	0.049	mg/Kg	☆	06/24/26 05:24	06/24/26 20:07	1
3,3'-Dichlorobenzidine	0.036	U	0.036	0.034	mg/Kg	☆	06/24/26 05:24	06/24/26 20:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	58		30 - 105	06/24/26 05:24	06/24/26 20:07	1
2-Fluorophenol (Surr)	65		25 - 105	06/24/26 05:24	06/24/26 20:07	1
2,4,6-Tribromophenol (Surr)	65		20 - 119	06/24/26 05:24	06/24/26 20:07	1
Nitrobenzene-d5 (Surr)	61		27 - 105	06/24/26 05:24	06/24/26 20:07	1
Phenol-d5 (Surr)	61		29 - 105	06/24/26 05:24	06/24/26 20:07	1
Terphenyl-d14 (Surr)	54		29 - 105	06/24/26 05:24	06/24/26 20:07	1

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	0.00045	U	0.00045	0.00014	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
alpha-BHC (1C)	0.00026	J	0.00045	0.00011	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
beta-BHC (1C)	0.00045	U	0.00045	0.00012	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
delta-BHC (1C)	0.00045	U	0.00045	0.00014	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
gamma-BHC (Lindane) (1C)	0.00045	U	0.00045	0.00012	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
cis-Chlordane (1C)	0.00057		0.00045	0.00011	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
trans-Chlordane (1C)	0.00058	p	0.00045	0.00011	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
Chlordane (technical) (1C)	0.0045	U	0.0045	0.0019	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
4,4'-DDD (1C)	0.00048		0.00045	0.000095	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
4,4'-DDE (1C)	0.0032		0.00045	0.000092	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
4,4'-DDT (1C)	0.00045	U	0.00045	0.00033	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
Dieldrin (1C)	0.00045	U	0.00045	0.00011	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
Endosulfan I (1C)	0.00045	U	0.00045	0.00012	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
Endosulfan II (1C)	0.00045	U	0.00045	0.00010	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
Endosulfan sulfate (1C)	0.00045	U	0.00045	0.00021	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
Endrin (1C)	0.00045	U	0.00045	0.000085	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
Endrin aldehyde (1C)	0.00064		0.00045	0.00016	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
Endrin ketone (1C)	0.00045	U	0.00045	0.00018	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
Heptachlor (1C)	0.00045	U	0.00045	0.00014	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
Heptachlor epoxide (1C)	0.00037	J	0.00045	0.00012	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
Methoxychlor (1C)	0.00045	U	0.00045	0.00018	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
Mirex (1C)	0.00045	U	0.00045	0.00033	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
Toxaphene (1C)	0.018	U	0.018	0.012	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5
Endosulfan, Total (1C)	0.00091	U	0.00091	0.00022	mg/Kg	☆	06/24/26 05:51	06/25/26 22:39	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr) (1C)	56		18 - 145	06/24/26 05:51	06/25/26 22:39	5
Tetrachloro-m-xylene (Surr) (2C)	49		18 - 145	06/24/26 05:51	06/25/26 22:39	5

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

Client Sample ID: SC-2 COMPOSITE (C3+C7)

Lab Sample ID: 630-138167-19

Date Collected: 06/16/26 11:48

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 45.7

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	71		37 - 147	06/24/26 05:51	06/25/26 22:39	5
DCB Decachlorobiphenyl (Surr) (2C)	75		37 - 147	06/24/26 05:51	06/25/26 22:39	5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	0.00090	U	0.00090	0.00029	mg/Kg	☆	06/23/26 05:15	06/24/26 17:05	1
PCB-1221 (1C)	0.00090	U	0.00090	0.00032	mg/Kg	☆	06/23/26 05:15	06/24/26 17:05	1
PCB-1232 (1C)	0.00090	U	0.00090	0.00022	mg/Kg	☆	06/23/26 05:15	06/24/26 17:05	1
PCB-1242 (1C)	0.00090	U	0.00090	0.00013	mg/Kg	☆	06/23/26 05:15	06/24/26 17:05	1
PCB-1248 (1C)	0.00090	U	0.00090	0.00022	mg/Kg	☆	06/23/26 05:15	06/24/26 17:05	1
PCB-1254 (1C)	0.00090	U	0.00090	0.00027	mg/Kg	☆	06/23/26 05:15	06/24/26 17:05	1
PCB-1260 (1C)	0.00083	J	0.00090	0.00026	mg/Kg	☆	06/23/26 05:15	06/24/26 17:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	86		24 - 125	06/23/26 05:15	06/24/26 17:05	1
DCB Decachlorobiphenyl (Surr) (2C)	63		24 - 125	06/23/26 05:15	06/24/26 17:05	1
Tetrachloro-m-xylene (Surr) (1C)	44		41 - 105	06/23/26 05:15	06/24/26 17:05	1
Tetrachloro-m-xylene (Surr) (2C)	55		41 - 105	06/23/26 05:15	06/24/26 17:05	1

Method: TAL SOP PCB - Total PCB Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.00083	J	0.00090	0.00032	mg/Kg			06/24/26 17:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	54.3		0.1	0.1	%			06/23/26 10:03	1
Percent Solids (SM22 2540G)	45.7		0.1	0.1	%			06/23/26 10:03	1
Cyanide, Total (SW846 EPA 9014)	0.34	U	0.34	0.26	mg/Kg	☆	06/23/26 13:35	06/24/26 14:25	1

Client Sample ID: SC-2 COMPOSITE (C3+C7)

Lab Sample ID: 630-138167-20

Date Collected: 06/16/26 11:48

Matrix: Solid

Date Received: 06/16/26 09:49

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G-2011)	54		0.10	0.10	%			06/22/26 10:54	1
Total Solids (SM 2540G-2011)	46		0.10	0.10	%			06/22/26 10:54	1
Percent Solids (SM 2540G-2011)	46		0.10	0.10	%			06/22/26 10:54	1
Cr (III) (SW846 7196A)	50		0.011	0.0035	mg/Kg	☆		06/17/26 06:27	1
Percent Moisture (EPA Moisture)	55.2		1.0	1.0	%			06/17/26 08:23	1
Percent Solids (EPA Moisture)	44.8		1.0	1.0	%			06/17/26 08:23	1

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
50 mm (Sieve Size 2 inch)	100.0				% Finer			06/26/26 20:33	1
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer			06/26/26 20:33	1
25 mm (Sieve Size 1 inch)	100.0				% Finer			06/26/26 20:33	1
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer			06/26/26 20:33	1
19 mm (Sieve Size 0.75 inch)	100.0				% Finer			06/26/26 20:33	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: SC-2 COMPOSITE (C3+C7)

Lab Sample ID: 630-138167-20

Date Collected: 06/16/26 11:48

Matrix: Solid

Date Received: 06/16/26 09:49

Method: ASTM D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4.75 mm (Sieve Size #4)	99.4				% Finer			06/26/26 20:33	1
2 mm (Sieve Size #10)	98.2				% Finer			06/26/26 20:33	1
0.85 mm (Sieve Size #20)	94.5				% Finer			06/26/26 20:33	1
0.425 mm (Sieve Size #40)	85.1				% Finer			06/26/26 20:33	1
0.25 mm (Sieve Size #60)	79.8				% Finer			06/26/26 20:33	1
0.18 mm (Sieve Size #80)	75.6				% Finer			06/26/26 20:33	1
0.15 mm (Sieve Size #100)	73.7				% Finer			06/26/26 20:33	1
0.075 mm (Sieve Size #200)	70.1				% Finer			06/26/26 20:33	1
36.1 um (Hydrometer Reading 1)	35.2				% Finer			06/26/26 20:33	1
22.9 um (Hydrometer Reading 2)	30.9				% Finer			06/26/26 20:33	1
13.4 um (Hydrometer Reading 3)	25.2				% Finer			06/26/26 20:33	1
9.8 um (Hydrometer Reading 4)	18.1				% Finer			06/26/26 20:33	1
6.7 um (Hydrometer Reading 5)	15.2				% Finer			06/26/26 20:33	1
3.3 um (Hydrometer Reading 6)	12.4				% Finer			06/26/26 20:33	1
1.4 um (Hydrometer Reading 7)	10.9				% Finer			06/26/26 20:33	1
Clay	15.2				%			06/26/26 20:33	1
Gravel	0.6				%			06/26/26 20:33	1
Coarse Sand	1.2				%			06/26/26 20:33	1
Fine Sand	15.0				%			06/26/26 20:33	1
Medium Sand	13.1				%			06/26/26 20:33	1
Sand	29.3				%			06/26/26 20:33	1
Silt	54.9				%			06/26/26 20:33	1

Client Sample ID: SC-2 COMPOSITE (C3+C7)

Lab Sample ID: 630-138167-20

Date Collected: 06/16/26 11:48

Matrix: Solid

Date Received: 06/16/26 09:49

Percent Solids: 44.8

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	18000		41	20	mg/Kg	✱	06/29/26 09:31	06/29/26 21:07	2
Arsenic	17		0.81	0.27	mg/Kg	✱	06/29/26 09:31	06/29/26 21:07	2
Barium	45		0.81	0.44	mg/Kg	✱	06/29/26 09:31	06/29/26 21:07	2
Beryllium	0.74		0.20	0.048	mg/Kg	✱	06/29/26 09:31	06/29/26 21:07	2
Cadmium	0.65		0.20	0.081	mg/Kg	✱	06/29/26 09:31	06/29/26 21:07	2
Calcium	10000		81	40	mg/Kg	✱	06/29/26 09:31	06/29/26 21:07	2
Chromium	50		0.81	0.77	mg/Kg	✱	06/29/26 09:31	06/29/26 21:07	2
Cobalt	8.4		0.41	0.16	mg/Kg	✱	06/29/26 09:31	06/29/26 21:07	2
Copper	23		0.81	0.37	mg/Kg	✱	06/29/26 09:31	06/29/26 21:07	2
Iron	27000		41	21	mg/Kg	✱	06/29/26 09:31	06/29/26 21:07	2
Silver	0.36		0.20	0.082	mg/Kg	✱	06/29/26 09:31	06/29/26 21:07	2
Potassium	4400		81	32	mg/Kg	✱	06/29/26 09:31	06/29/26 21:07	2
Magnesium	8000		20	9.9	mg/Kg	✱	06/29/26 09:31	06/29/26 21:07	2
Manganese	420		2.0	1.4	mg/Kg	✱	06/29/26 09:31	06/29/26 21:07	2
Sodium	14000		100	49	mg/Kg	✱	06/29/26 09:31	06/29/26 21:07	2
Nickel	23		0.81	0.39	mg/Kg	✱	06/29/26 09:31	06/29/26 21:07	2
Lead	34		0.41	0.18	mg/Kg	✱	06/29/26 09:31	06/29/26 21:07	2
Antimony	0.18	J	0.41	0.16	mg/Kg	✱	06/29/26 09:31	06/29/26 21:07	2
Selenium	0.72	J	0.81	0.20	mg/Kg	✱	06/29/26 09:31	06/29/26 21:07	2
Thallium	0.17	J	0.20	0.080	mg/Kg	✱	06/29/26 09:31	06/29/26 21:07	2

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: SC-2 COMPOSITE (C3+C7)

Lab Sample ID: 630-138167-20

Date Collected: 06/16/26 11:48

Matrix: Solid

Date Received: 06/16/26 09:49

Percent Solids: 44.8

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	58		1.6	0.41	mg/Kg	☆	06/29/26 09:31	06/29/26 21:07	2
Zinc	140		61	8.1	mg/Kg	☆	06/29/26 09:31	06/29/26 21:07	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.21		0.13	0.045	mg/Kg	☆	07/01/26 12:40	07/01/26 18:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	19	U	19	16	mg/Kg	☆	06/29/26 21:22	06/30/26 12:02	20

Client Sample ID: SC-3 COMPOSITE (C5+C6+C8)

Lab Sample ID: 630-138167-21

Date Collected: 06/16/26 12:16

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 40.9

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.040	U	0.040	0.015	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
1,2-Dichlorobenzene	0.040	U	0.040	0.013	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
1,2,4,5-Tetrachlorobenzene	0.040	U	0.040	0.016	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
1,3-Dichlorobenzene	0.040	U	0.040	0.013	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
1,4-Dichlorobenzene	0.040	U	0.040	0.015	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
1,4-Dioxane	0.081	U	0.081	0.025	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
1,2-Diphenylhydrazine(as Azobenzene)	0.040	U	0.040	0.018	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
1,2,4-Trichlorobenzene	0.040	U	0.040	0.012	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
2-Chloronaphthalene	0.0081	U	0.0081	0.0018	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
2-Chlorophenol	0.040	U	0.040	0.015	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
2,3,4,6-Tetrachlorophenol	0.040	U	0.040	0.017	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
2,4-Dichlorophenol	0.0081	U	0.0081	0.0031	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
2,4-Dimethylphenol	0.040	U	0.040	0.014	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
2,4-Dinitrophenol	0.40	U	0.40	0.25	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
2,4-Dinitrotoluene	0.040	U	0.040	0.024	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
2,6-Dinitrotoluene	0.040	U	0.040	0.016	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
2-Methylnaphthalene	0.0021	J	0.0081	0.0019	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
2-Methylphenol	0.040	U	0.040	0.012	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Methylphenol, 3 & 4	0.040	U	0.040	0.012	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
2-Nitroaniline	0.21	U	0.21	0.018	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
3-Nitroaniline	0.21	U	0.21	0.010	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
4-Nitroaniline	0.21	U	0.21	0.015	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
2-Nitrophenol	0.040	U	0.040	0.015	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
4-Nitrophenol	0.21	U	0.21	0.028	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
2,2'-oxybis[1-chloropropane]	0.0081	U	0.0081	0.0030	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
2,4,5-Trichlorophenol	0.040	U	0.040	0.014	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
2,4,6-Trichlorophenol	0.040	U	0.040	0.013	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
4-Chloro-3-methylphenol	0.040	U	0.040	0.014	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
4-Chlorophenyl phenyl ether	0.040	U	0.040	0.013	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
4,6-Dinitro-2-methylphenol	0.21	U	0.21	0.070	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Cresols, Total	0.080	U	0.080	0.023	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Acenaphthene	0.0040	J	0.0081	0.0023	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: SC-3 COMPOSITE (C5+C6+C8)

Lab Sample ID: 630-138167-21

Date Collected: 06/16/26 12:16

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 40.9

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	0.0074	J	0.0081	0.0018	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Acetophenone	0.081	U	0.081	0.014	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Aniline	0.040	U	0.040	0.010	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Anthracene	0.012		0.0081	0.0021	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Atrazine	0.081	U	0.081	0.018	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Benzaldehyde	0.081	U	0.081	0.0050	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Benzidine	0.81	U	0.81	0.30	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Benzo[a]anthracene	0.031		0.0081	0.0036	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Benzo[b]fluoranthene	0.034		0.0081	0.0020	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Benzo[k]fluoranthene	0.011		0.0081	0.0024	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Benzoic acid	0.21	U	0.21	0.090	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Benzo[g,h,i]perylene	0.019		0.0081	0.0017	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Benzo[a]pyrene	0.024		0.0081	0.0035	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Bis(2-chloroethoxy)methane	0.040	U	0.040	0.015	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Bis(2-chloroethyl)ether	0.0081	U	0.0081	0.0025	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Bis(2-ethylhexyl) phthalate	0.40	U	0.40	0.043	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
4-Bromophenyl phenyl ether	0.040	U	0.040	0.017	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Butyl benzyl phthalate	0.20	U	0.20	0.028	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Caprolactam	0.21	U	0.21	0.026	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Carbazole	0.0081	U	0.0081	0.0019	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
4-Chloroaniline	0.040	U	0.040	0.011	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Chrysene	0.035		0.0081	0.0045	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Dibenz(a,h)anthracene	0.0056	J	0.0081	0.0052	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Dibenzofuran	0.040	U	0.040	0.015	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Di-n-butyl phthalate	0.40	U	0.40	0.084	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Di-n-octyl phthalate	0.040	U	0.040	0.023	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Diethyl phthalate	0.040	U	0.040	0.014	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Dimethyl phthalate	0.081	U	0.081	0.045	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Fluoranthene	0.063		0.0081	0.0021	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Fluorene	0.0039	J	0.0081	0.0016	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Hexachlorobenzene	0.0081	U	0.0081	0.0029	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Hexachlorobutadiene	0.0081	U	0.0081	0.0024	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Hexachlorocyclopentadiene	0.040	U	0.040	0.011	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Hexachloroethane	0.040	U	0.040	0.014	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Indeno[1,2,3-cd]pyrene	0.015		0.0081	0.0040	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Isophorone	0.040	U	0.040	0.015	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Naphthalene	0.0081	U	0.0081	0.0016	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Nitrobenzene	0.081	U	0.081	0.015	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
N-Nitrosodimethylamine	0.040	U	0.040	0.015	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
N-Nitrosodiphenylamine	0.040	U	0.040	0.013	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
N-Nitrosodi-n-propylamine	0.0081	U	0.0081	0.0027	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Pentachlorophenol	0.21	U	0.21	0.065	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Phenanthrene	0.017		0.0081	0.0022	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Phenol	0.040	U	0.040	0.012	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Pyrene	0.048		0.0081	0.0028	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Pyridine	0.081	U	0.081	0.022	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
Benzyl alcohol	0.20	U	0.20	0.055	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1
3,3'-Dichlorobenzidine	0.040	U	0.040	0.038	mg/Kg	☆	06/24/26 05:24	06/24/26 20:29	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: SC-3 COMPOSITE (C5+C6+C8)

Lab Sample ID: 630-138167-21

Date Collected: 06/16/26 12:16

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 40.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	58		30 - 105	06/24/26 05:24	06/24/26 20:29	1
2-Fluorophenol (Surr)	62		25 - 105	06/24/26 05:24	06/24/26 20:29	1
2,4,6-Tribromophenol (Surr)	65		20 - 119	06/24/26 05:24	06/24/26 20:29	1
Nitrobenzene-d5 (Surr)	59		27 - 105	06/24/26 05:24	06/24/26 20:29	1
Phenol-d5 (Surr)	61		29 - 105	06/24/26 05:24	06/24/26 20:29	1
Terphenyl-d14 (Surr)	55		29 - 105	06/24/26 05:24	06/24/26 20:29	1

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	0.00051	U	0.00051	0.00016	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
alpha-BHC (1C)	0.00051	U	0.00051	0.00012	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
beta-BHC (1C)	0.00051	U	0.00051	0.00014	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
delta-BHC (1C)	0.00051	U	0.00051	0.00016	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
gamma-BHC (Lindane) (1C)	0.00051	U	0.00051	0.00013	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
cis-Chlordane (1C)	0.00051	U	0.00051	0.00013	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
trans-Chlordane (1C)	0.00051	U	0.00051	0.00012	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
Chlordane (technical) (1C)	0.0051	U	0.0051	0.0022	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
4,4'-DDD (1C)	0.00016	J	0.00051	0.00011	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
4,4'-DDE (1C)	0.00033	J	0.00051	0.00010	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
4,4'-DDT (1C)	0.00051	U	0.00051	0.00036	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
Dieldrin (1C)	0.00051	U	0.00051	0.00013	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
Endosulfan I (1C)	0.00051	U	0.00051	0.00014	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
Endosulfan II (1C)	0.00051	U	0.00051	0.00011	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
Endosulfan sulfate (1C)	0.00051	U	0.00051	0.00023	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
Endrin (1C)	0.00051	U	0.00051	0.000095	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
Endrin aldehyde (1C)	0.00051	U	0.00051	0.00018	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
Endrin ketone (1C)	0.00051	U	0.00051	0.00021	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
Heptachlor (1C)	0.00051	U	0.00051	0.00016	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
Heptachlor epoxide (1C)	0.00051	U	0.00051	0.00013	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
Methoxychlor (1C)	0.00051	U	0.00051	0.00020	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
Mirex (1C)	0.00051	U	0.00051	0.00037	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
Toxaphene (1C)	0.020	U	0.020	0.014	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5
Endosulfan, Total (1C)	0.0010	U	0.0010	0.00025	mg/Kg	✱	06/24/26 05:51	06/25/26 22:57	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr) (1C)	51		18 - 145	06/24/26 05:51	06/25/26 22:57	5
Tetrachloro-m-xylene (Surr) (2C)	45		18 - 145	06/24/26 05:51	06/25/26 22:57	5
DCB Decachlorobiphenyl (Surr) (1C)	50		37 - 147	06/24/26 05:51	06/25/26 22:57	5
DCB Decachlorobiphenyl (Surr) (2C)	49		37 - 147	06/24/26 05:51	06/25/26 22:57	5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	0.0010	U	0.0010	0.00033	mg/Kg	✱	06/23/26 05:15	06/24/26 17:24	1
PCB-1221 (1C)	0.0010	U	0.0010	0.00036	mg/Kg	✱	06/23/26 05:15	06/24/26 17:24	1
PCB-1232 (1C)	0.0010	U	0.0010	0.00025	mg/Kg	✱	06/23/26 05:15	06/24/26 17:24	1
PCB-1242 (1C)	0.0010	U	0.0010	0.00015	mg/Kg	✱	06/23/26 05:15	06/24/26 17:24	1
PCB-1248 (1C)	0.0032		0.0010	0.00024	mg/Kg	✱	06/23/26 05:15	06/24/26 17:24	1
PCB-1254 (1C)	0.0010	U	0.0010	0.00030	mg/Kg	✱	06/23/26 05:15	06/24/26 17:24	1
PCB-1260 (2C)	0.0024		0.0010	0.00029	mg/Kg	✱	06/23/26 05:15	06/24/26 17:24	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: SC-3 COMPOSITE (C5+C6+C8)

Lab Sample ID: 630-138167-21

Date Collected: 06/16/26 12:16

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 40.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	143	S1+	24 - 125	06/23/26 05:15	06/24/26 17:24	1
DCB Decachlorobiphenyl (Surr) (2C)	78	p	24 - 125	06/23/26 05:15	06/24/26 17:24	1
Tetrachloro-m-xylene (Surr) (1C)	46		41 - 105	06/23/26 05:15	06/24/26 17:24	1
Tetrachloro-m-xylene (Surr) (2C)	59		41 - 105	06/23/26 05:15	06/24/26 17:24	1

Method: TAL SOP PCB - Total PCB Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.0056		0.0010	0.00036	mg/Kg			06/24/26 17:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	59.1		0.1	0.1	%			06/23/26 10:03	1
Percent Solids (SM22 2540G)	40.9		0.1	0.1	%			06/23/26 10:03	1
Cyanide, Total (SW846 EPA 9014)	0.44	U	0.44	0.33	mg/Kg	✱	06/23/26 13:35	06/24/26 14:26	1

Client Sample ID: SC-3 COMPOSITE (C5+C6+C8)

Lab Sample ID: 630-138167-22

Date Collected: 06/16/26 12:16

Matrix: Solid

Date Received: 06/16/26 09:49

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G-2011)	58		0.10	0.10	%			06/22/26 10:54	1
Total Solids (SM 2540G-2011)	42		0.10	0.10	%			06/22/26 10:54	1
Percent Solids (SM 2540G-2011)	42		0.10	0.10	%			06/22/26 10:54	1
Cr (III) (SW846 7196A)	55		0.011	0.0035	mg/Kg	✱		06/17/26 06:27	1
Percent Moisture (EPA Moisture)	58.4		1.0	1.0	%			06/17/26 08:23	1
Percent Solids (EPA Moisture)	41.6		1.0	1.0	%			06/17/26 08:23	1

Method: ASTM D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
50 mm (Sieve Size 2 inch)	100.0				% Finer			06/26/26 20:33	1
37.5 mm (Sieve Size 1.5 inch)	100.0				% Finer			06/26/26 20:33	1
25 mm (Sieve Size 1 inch)	100.0				% Finer			06/26/26 20:33	1
9.5 mm (Sieve Size 0.375 inch)	100.0				% Finer			06/26/26 20:33	1
19 mm (Sieve Size 0.75 inch)	100.0				% Finer			06/26/26 20:33	1
4.75 mm (Sieve Size #4)	100.0				% Finer			06/26/26 20:33	1
2 mm (Sieve Size #10)	100.0				% Finer			06/26/26 20:33	1
0.85 mm (Sieve Size #20)	98.1				% Finer			06/26/26 20:33	1
0.425 mm (Sieve Size #40)	96.5				% Finer			06/26/26 20:33	1
0.25 mm (Sieve Size #60)	94.9				% Finer			06/26/26 20:33	1
0.18 mm (Sieve Size #80)	93.1				% Finer			06/26/26 20:33	1
0.15 mm (Sieve Size #100)	92.1				% Finer			06/26/26 20:33	1
0.075 mm (Sieve Size #200)	88.6				% Finer			06/26/26 20:33	1
36.1 um (Hydrometer Reading 1)	43.4				% Finer			06/26/26 20:33	1
22.9 um (Hydrometer Reading 2)	38.1				% Finer			06/26/26 20:33	1
13.4 um (Hydrometer Reading 3)	24.8				% Finer			06/26/26 20:33	1
9.8 um (Hydrometer Reading 4)	19.5				% Finer			06/26/26 20:33	1
6.7 um (Hydrometer Reading 5)	19.5				% Finer			06/26/26 20:33	1
3.3 um (Hydrometer Reading 6)	12.9				% Finer			06/26/26 20:33	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Client Sample ID: SC-3 COMPOSITE (C5+C6+C8)

Lab Sample ID: 630-138167-22

Date Collected: 06/16/26 12:16

Matrix: Solid

Date Received: 06/16/26 09:49

Method: ASTM D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1.4 um (Hydrometer Reading 7)	11.5				% Finer			06/26/26 20:33	1
Clay	19.5				%			06/26/26 20:33	1
Gravel	0.0				%			06/26/26 20:33	1
Coarse Sand	0.0				%			06/26/26 20:33	1
Fine Sand	7.9				%			06/26/26 20:33	1
Medium Sand	3.5				%			06/26/26 20:33	1
Sand	11.4				%			06/26/26 20:33	1
Silt	69.1				%			06/26/26 20:33	1

Client Sample ID: SC-3 COMPOSITE (C5+C6+C8)

Lab Sample ID: 630-138167-22

Date Collected: 06/16/26 12:16

Matrix: Solid

Date Received: 06/16/26 09:49

Percent Solids: 41.6

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20000		46	23	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2
Arsenic	17		0.92	0.31	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2
Barium	49		0.92	0.50	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2
Beryllium	0.81		0.23	0.055	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2
Cadmium	0.63		0.23	0.092	mg/Kg	☆	06/29/26 09:31	06/30/26 12:48	2
Calcium	9800		92	45	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2
Chromium	55		0.92	0.88	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2
Cobalt	9.0		0.46	0.18	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2
Copper	23		0.92	0.42	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2
Iron	29000		46	24	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2
Silver	0.37		0.23	0.094	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2
Potassium	4900		92	37	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2
Magnesium	9100		23	11	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2
Manganese	360		2.3	1.6	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2
Sodium	16000		120	55	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2
Nickel	25		0.92	0.44	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2
Lead	31		0.46	0.20	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2
Antimony	0.46	U	0.46	0.18	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2
Selenium	0.70	J	0.92	0.23	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2
Thallium	0.19	J	0.23	0.091	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2
Vanadium	62		1.8	0.46	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2
Zinc	140		69	9.2	mg/Kg	☆	06/29/26 09:31	06/29/26 21:09	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.17		0.14	0.045	mg/Kg	☆	07/01/26 12:40	07/01/26 18:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	19	U	19	17	mg/Kg	☆	06/29/26 21:22	06/30/26 12:02	20

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Particle Size of Soils by ASTM D422

Sample ID: C-4 DISCRETE
Lab ID: 630-138167-A-8

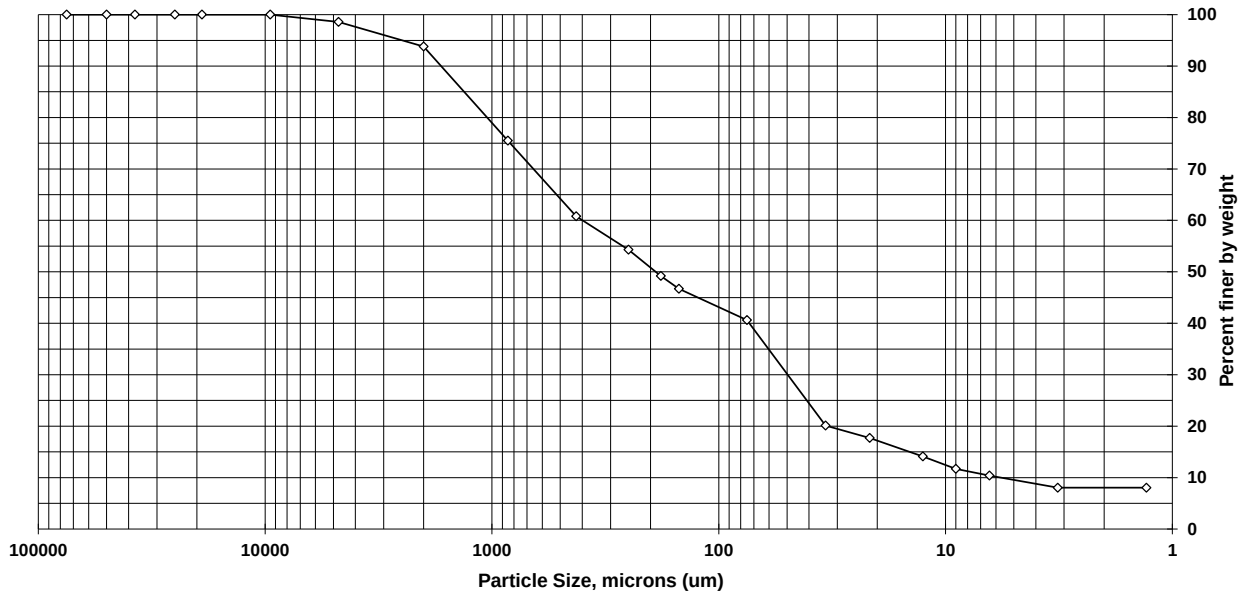
Percent Solids: 49.8%
Specific Gravity: 2.650

Date Received: 6/16/2026
Start Date: 6/26/2026
End Date: 7/2/2026

Shape (> #10):

Non-soil material:

Hardness (> #10):



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	98.6	1.4
#10	2000	93.8	4.8
#20	850	75.5	18.3
#40	425	60.8	14.7
#60	250	54.3	6.5
#80	180	49.2	5.1
#100	150	46.7	2.5
#200	75	40.6	6.1
Hyd1	33.8	20.1	20.5
Hyd2	21.6	17.7	2.4
Hyd3	12.6	14.1	3.6
Hyd4	9	11.7	2.4
Hyd5	6.4	10.4	1.3
Hyd6	3.2	8.0	2.4
Hyd7	1.3	8.0	0.0

Soil Classification	Percent of sample
Gravel	1.4
Sand	58.0
Coarse Sand	4.8
Medium Sand	33.0
Fine Sand	20.2
Silt	30.2
Clay	10.4

Particle Size of Soils by ASTM D422

Sample ID: SC-1 COMPOSITE (C1+C)
Lab ID: 630-138167-A-18

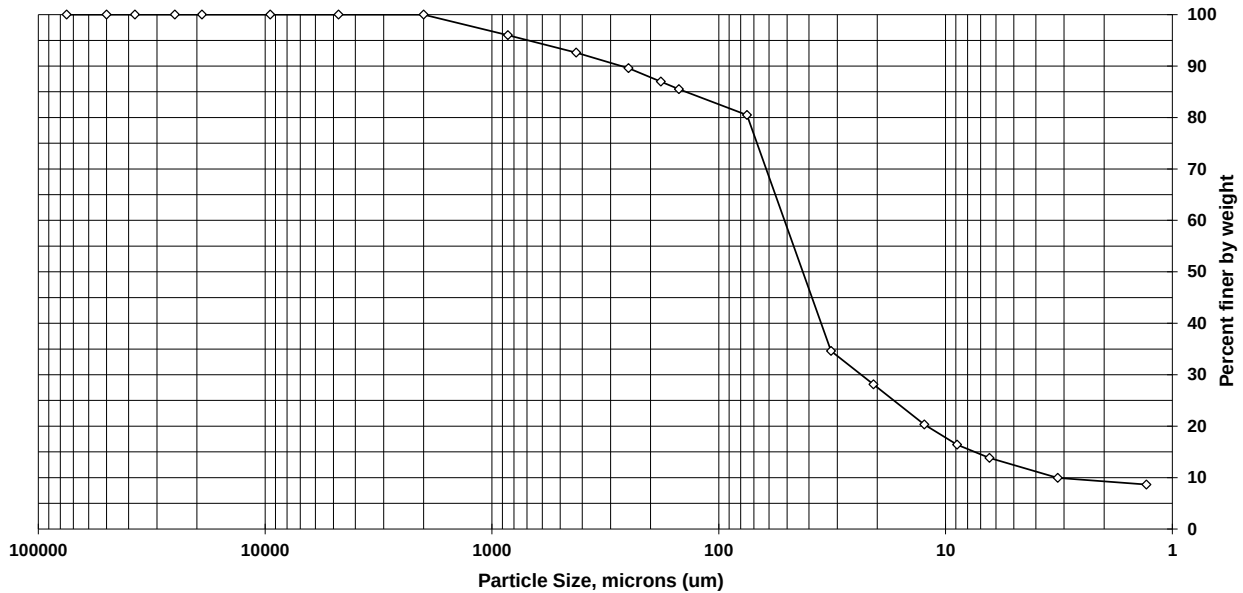
Percent Solids: 42.6%
Specific Gravity: 2.650

Date Received: 6/16/2026
Start Date: 6/26/2026
End Date: 7/2/2026

Shape (> #10):

Non-soil material:

Hardness (> #10):



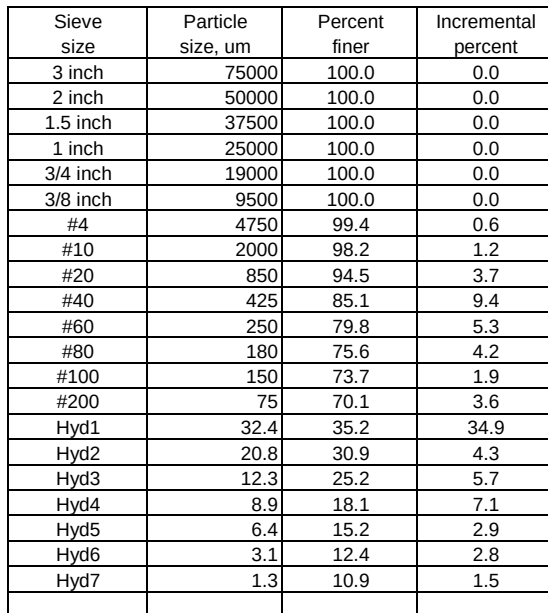
Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	96.0	4.0
#40	425	92.6	3.4
#60	250	89.6	3.0
#80	180	87.0	2.6
#100	150	85.5	1.5
#200	75	80.5	5.0
Hyd1	32	34.6	45.9
Hyd2	20.8	28.1	6.5
Hyd3	12.4	20.3	7.8
Hyd4	8.9	16.4	3.9
Hyd5	6.4	13.8	2.6
Hyd6	3.2	10.0	3.8
Hyd7	1.3	8.7	1.3

Soil Classification	Percent of sample
Gravel	0.0
Sand	19.5
Coarse Sand	0.0
Medium Sand	7.4
Fine Sand	12.1
Silt	66.7
Clay	13.8

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Date Received:	6/16/2026
Start Date:	6/26/2026
End Date:	7/2/2026

Non-soil material: _____
Hardness (> #10): _____

[illegible]

Particle Size of Soils by ASTM D422

Sample ID: SC-3 COMPOSITE (C5+C
Lab ID: 630-138167-A-22

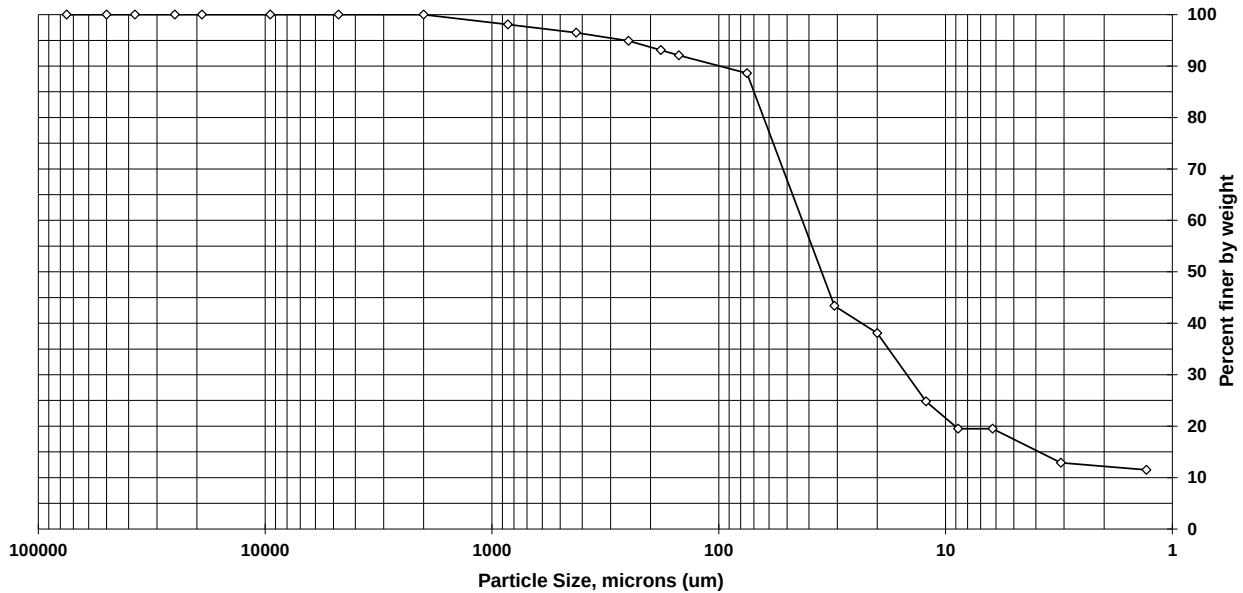
Percent Solids: 41.6%
Specific Gravity: 2.650

Date Received: 6/16/2026
Start Date: 6/26/2026
End Date: 7/2/2026

Shape (> #10):

Non-soil material:

Hardness (> #10):



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	98.1	1.9
#40	425	96.5	1.6
#60	250	94.9	1.6
#80	180	93.1	1.8
#100	150	92.1	1.0
#200	75	88.6	3.5
Hyd1	30.9	43.4	45.2
Hyd2	20	38.1	5.3
Hyd3	12.2	24.8	13.3
Hyd4	8.8	19.5	5.3
Hyd5	6.2	19.5	0.0
Hyd6	3.1	12.9	6.6
Hyd7	1.3	11.5	1.4

Soil Classification	Percent of sample
Gravel	0.0
Sand	11.4
Coarse Sand	0.0
Medium Sand	3.5
Fine Sand	7.9
Silt	69.1
Clay	19.5

Eurofins Lancaster Laboratories Environment Testing, LLC

Sediment Grain Size - D422

Client	
Client Sample ID	C-4 DISCRETE
Lab Sample ID	630-138167-A-8

Date Received	6/16/2026
Start Date	06/26/2026 20:33
End Date	07/02/2026 14:22

Dry Weight Determination

Tin Weight	0.80 g
Wet Sample + Tin	6.34 g
Dry Sample + Tin	3.56 g
% Moisture	50.20 %

Non-soil material:	
Shape (> #10):	
Hardness (> #10):	

Date/Time in oven	06/30/2026 12:00
Date/Time out of oven	07/02/2026 14:22

Sample Weights

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample Weight (Wet)	0.00	133.71	133.71
Sample Weight (Oven Dried)			66.6

Sample Split (oven dried)

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample >=#10			4.08
Sample <#10			62.5
% Passing #10			46.7

Hydrometer Data

Serial Number	747874
Calib. Date (mm/dd/yyyy)	02/23/2026
Low Temp (C)	17.0
Reading at Low Temp	1.0055
High Temp (C)	23.0
Reading at High Temp	1.0045
Hydrometer Cal Slope	-0.000166667
Hydrometer Cal Intercept	1.008333333
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample	% Finer	Classification	Sub Class
3 inch	75000			0.00 g	100.0	Gravel	
2 inch	50000			0.00 g	100.0	Gravel	
1.5 inch	37500			0.00 g	100.0	Gravel	
1 inch	25000			0.00 g	100.0	Gravel	
3/4 inch	19000			0.00 g	100.0	Gravel	
3/8 inch	9500			0.00 g	100.0	Gravel	
#4	4750	487.42	488.32	0.90 g	98.6	Gravel	
#10	2000	462.30	465.48	3.18 g	93.8	Sand	Coarse
#20	850	388.10	400.32	12.22 g	75.5	Sand	Medium
#40	425	365.10	374.90	9.80 g	60.8	Sand	Medium
#60	250	347.12	351.48	4.36 g	54.3	Sand	Fine
#80	180	320.08	323.48	3.40 g	49.2	Sand	Fine
#100	150	328.38	330.02	1.64 g	46.7	Sand	Fine
#200	75	324.47	328.50	4.03 g	40.6	Sand	Fine
				0.00 g	40.6		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	66.6
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Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0130	22.0	33.8	20.1	Silt	
5	5	1.0120	22.0	21.6	17.7	Silt	
15	15	1.0105	22.0	12.6	14.1	Silt	
30	30	1.0095	22.0	9	11.7	Silt	
60	60	1.0090	22.0	6.4	10.4	Silt	
250	250	1.0080	22.0	3.2	8.04	Clay	
1440	1440	1.0080	22.0	1.3	8.04	Clay	

Eurofins Lancaster Laboratories Environment Testing, LLC

Sediment Grain Size - D422

Client
Client Sample ID SC-1 COMPOSITE (C1+C
Lab Sample ID 630-138167-A-18

Date Received 6/16/2026
Start Date 06/26/2026 20:33
End Date 07/02/2026 14:44

Dry Weight Determination

Tin Weight 0.80 g
Wet Sample + Tin 6.34 g
Dry Sample + Tin 3.16 g
% Moisture 57.40 %

Non-soil material:

Shape (> #10):

Hardness (> #10):

Date/Time in oven 06/30/2026 12:00
Date/Time out of oven 07/02/2026 14:44

Sample Weights

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample Weight (Wet)	0.00	145.41	145.41
Sample Weight (Oven Dried)			61.9

Sample Split (oven dried)

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample >=#10			0
Sample <#10			61.9
% Passing #10			42.6

Hydrometer Data

Serial Number 747874
Calib. Date (mm/dd/yyyy) 02/23/2026
Low Temp (C) 17.0
Reading at Low Temp 1.0055
High Temp (C) 23.0
Reading at High Temp 1.0045
Hydrometer Cal Slope -0.000166667
Hydrometer Cal Intercept 1.008333333
Default Soil Gravity 2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample	% Finer	Classification	Sub Class
3 inch	75000			0.00 g	100.0	Gravel	
2 inch	50000			0.00 g	100.0	Gravel	
1.5 inch	37500			0.00 g	100.0	Gravel	
1 inch	25000			0.00 g	100.0	Gravel	
3/4 inch	19000			0.00 g	100.0	Gravel	
3/8 inch	9500			0.00 g	100.0	Gravel	
#4	4750			0.00 g	100.0	Gravel	
#10	2000	490.15	490.15	0.00 g	100.0	Sand	Coarse
#20	850	388.10	390.60	2.50 g	96.0	Sand	Medium
#40	425	365.10	367.20	2.10 g	92.6	Sand	Medium
#60	250	347.12	348.97	1.85 g	89.6	Sand	Fine
#80	180	320.08	321.69	1.61 g	87.0	Sand	Fine
#100	150	328.38	329.33	0.95 g	85.5	Sand	Fine
#200	75	324.47	327.59	3.12 g	80.5	Sand	Fine
				0.00 g	80.5		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g) 61.9

Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0180	22.0	32	34.6	Silt	
5	5	1.0155	22.0	20.8	28.1	Silt	
15	15	1.0125	22.0	12.4	20.3	Silt	
30	30	1.0110	22.0	8.9	16.4	Silt	
60	60	1.0100	22.0	6.4	13.8	Silt	
250	250	1.0085	22.0	3.2	9.95	Clay	
1440	1440	1.0080	22.0	1.3	8.65	Clay	

Eurofins Lancaster Laboratories Environment Testing, LLC

Sediment Grain Size - D422

Client	
Client Sample ID	SC-2 COMPOSITE (C3+C
Lab Sample ID	630-138167-A-20

Date Received	6/16/2026
Start Date	06/26/2026 20:33
End Date	07/02/2026 14:47

Dry Weight Determination

Tin Weight	0.80 g
Wet Sample + Tin	6.34 g
Dry Sample + Tin	3.28 g
% Moisture	55.20 %

Non-soil material:	
Shape (> #10):	
Hardness (> #10):	

Date/Time in oven	06/30/2026 12:00
Date/Time out of oven	07/02/2026 14:41

Sample Weights

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample Weight (Wet)	0.00	125.69	125.69
Sample Weight (Oven Dried)			56.3

Sample Split (oven dried)

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample >=#10			1.01
Sample <#10			55.3
% Passing #10			44

Hydrometer Data

Serial Number	747874
Calib. Date (mm/dd/yyyy)	02/23/2026
Low Temp (C)	17.0
Reading at Low Temp	1.0055
High Temp (C)	23.0
Reading at High Temp	1.0045
Hydrometer Cal Slope	-0.000166667
Hydrometer Cal Intercept	1.008333333
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample	% Finer	Classification	Sub Class
3 inch	75000			0.00 g	100.0	Gravel	
2 inch	50000			0.00 g	100.0	Gravel	
1.5 inch	37500			0.00 g	100.0	Gravel	
1 inch	25000			0.00 g	100.0	Gravel	
3/4 inch	19000			0.00 g	100.0	Gravel	
3/8 inch	9500			0.00 g	100.0	Gravel	
#4	4750	487.42	487.77	0.35 g	99.4	Gravel	
#10	2000	462.30	462.96	0.66 g	98.2	Sand	Coarse
#20	850	388.10	390.16	2.06 g	94.5	Sand	Medium
#40	425	365.10	370.38	5.28 g	85.1	Sand	Medium
#60	250	347.12	350.11	2.99 g	79.8	Sand	Fine
#80	180	320.08	322.47	2.39 g	75.6	Sand	Fine
#100	150	328.38	329.45	1.07 g	73.7	Sand	Fine
#200	75	324.47	326.51	2.04 g	70.1	Sand	Fine
				0.00 g	70.1		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	56.3
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Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0170	22.0	32.4	35.2	Silt	
5	5	1.0155	22.0	20.8	30.9	Silt	
15	15	1.0135	22.0	12.3	25.2	Silt	
30	30	1.0110	22.0	8.9	18.1	Silt	
60	60	1.0100	22.0	6.4	15.2	Silt	
250	250	1.0090	22.0	3.1	12.4	Clay	
1440	1440	1.0085	22.0	1.3	10.9	Clay	

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Sediment Grain Size - D422

Client	
Client Sample ID	SC-3 COMPOSITE (C5+C
Lab Sample ID	630-138167-A-22

Date Received	6/16/2026
Start Date	06/26/2026 20:33
End Date	07/02/2026 14:50

Dry Weight Determination

Tin Weight	0.80 g
Wet Sample + Tin	6.34 g
Dry Sample + Tin	3.10 g
% Moisture	58.40 %

Non-soil material:	
Shape (> #10):	
Hardness (> #10):	

Date/Time in oven	06/30/2026 12:00
Date/Time out of oven	07/02/2026 14:40

Sample Weights

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample Weight (Wet)	0.00	145.27	145.27
Sample Weight (Oven Dried)			60.4

Sample Split (oven dried)

	Tare (g)	Pan+Sample (g)	Sample (g)
Sample >=#10			0
Sample <#10			60.4
% Passing #10			41.6

Hydrometer Data

Serial Number	747874
Calib. Date (mm/dd/yyyy)	02/23/2026
Low Temp (C)	17.0
Reading at Low Temp	1.0055
High Temp (C)	23.0
Reading at High Temp	1.0045
Hydrometer Cal Slope	-0.000166667
Hydrometer Cal Intercept	1.008333333
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample	% Finer	Classification	Sub Class
3 inch	75000			0.00 g	100.0	Gravel	
2 inch	50000			0.00 g	100.0	Gravel	
1.5 inch	37500			0.00 g	100.0	Gravel	
1 inch	25000			0.00 g	100.0	Gravel	
3/4 inch	19000			0.00 g	100.0	Gravel	
3/8 inch	9500			0.00 g	100.0	Gravel	
#4	4750			0.00 g	100.0	Gravel	
#10	2000	490.15	490.15	0.00 g	100.0	Sand	Coarse
#20	850	388.10	389.24	1.14 g	98.1	Sand	Medium
#40	425	365.10	366.09	0.99 g	96.5	Sand	Medium
#60	250	347.12	348.06	0.94 g	94.9	Sand	Fine
#80	180	320.08	321.14	1.06 g	93.1	Sand	Fine
#100	150	328.38	328.99	0.61 g	92.1	Sand	Fine
#200	75	324.47	326.56	2.09 g	88.6	Sand	Fine
				0.00 g	88.6		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	60.4
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Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0210	22.0	30.9	43.4	Silt	
5	5	1.0190	22.0	20	38.1	Silt	
15	15	1.0140	22.0	12.2	24.8	Silt	
30	30	1.0120	22.0	8.8	19.5	Silt	
60	60	1.0120	22.0	6.2	19.5	Silt	
250	250	1.0095	22.0	3.1	12.9	Clay	
1440	1440	1.0090	22.0	1.3	11.5	Clay	

Surrogate Summary

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Matrix: Sediment

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (30-105)	2FP (25-105)	TBP (20-119)	NBZ (27-105)	PHL (29-105)	TPHL (29-105)
630-138167-7	C-4 DISCRETE	64	69	73	66	65	60
630-138167-17	SC-1 COMPOSITE (C1+C2)	63	69	73	63	65	59
630-138167-19	SC-2 COMPOSITE (C3+C7)	58	65	65	61	61	54
630-138167-21	SC-3 COMPOSITE (C5+C6+C8)	58	62	65	59	61	55
LCS 180-515283/2-A	Lab Control Sample	70	82	79	73	76	68
MB 180-515283/1-A	Method Blank	86	91	101	95	86	89

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
 2FP = 2-Fluorophenol (Surr)
 TBP = 2,4,6-Tribromophenol (Surr)
 NBZ = Nitrobenzene-d5 (Surr)
 PHL = Phenol-d5 (Surr)
 TPHL = Terphenyl-d14 (Surr)

Method: EPA 8081B LL - Organochlorine Pesticides (GC)

Matrix: Sediment

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (18-145)	TCX2 (18-145)	DCB1 (37-147)	DCB2 (37-147)
630-138167-7	C-4 DISCRETE	55	52	55	73
630-138167-17	SC-1 COMPOSITE (C1+C2)	58	53	62	66
630-138167-19	SC-2 COMPOSITE (C3+C7)	56	49	71	75
630-138167-21	SC-3 COMPOSITE (C5+C6+C8)	51	45	50	49
LCS 180-515277/2-A	Lab Control Sample	83	88	86	79
MB 180-515277/1-A	Method Blank	86	90	84	84

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)
 DCB = DCB Decachlorobiphenyl (Surr)

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Sediment

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCB1 (24-125)	DCB2 (24-125)	TCX1 (41-105)	TCX2 (41-105)
630-138167-7	C-4 DISCRETE	77	64	39 S1-	49
630-138167-17	SC-1 COMPOSITE (C1+C2)	75	67	45	59
630-138167-19	SC-2 COMPOSITE (C3+C7)	86	63	44	55
630-138167-21	SC-3 COMPOSITE (C5+C6+C8)	143 S1+	78 p	46	59
LCS 180-515275/2-A	Lab Control Sample	69	73	51	71
MB 180-515275/1-A	Method Blank	71	73	54	71

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
 TCX = Tetrachloro-m-xylene (Surr)

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QC Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-515283/1-A

Matrix: Sediment

Analysis Batch: 515382

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 515283

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1'-Biphenyl	0.017	U	0.017	0.0061	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
1,2-Dichlorobenzene	0.017	U	0.017	0.0053	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
1,2,4,5-Tetrachlorobenzene	0.017	U	0.017	0.0066	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
1,3-Dichlorobenzene	0.017	U	0.017	0.0055	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
1,4-Dichlorobenzene	0.017	U	0.017	0.0061	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
1,4-Dioxane	0.033	U	0.033	0.010	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
1,2-Diphenylhydrazine(as Azobenzene)	0.017	U	0.017	0.0074	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
1,2,4-Trichlorobenzene	0.017	U	0.017	0.0051	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
2-Chloronaphthalene	0.0034	U	0.0034	0.00077	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
2-Chlorophenol	0.017	U	0.017	0.0061	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
2,3,4,6-Tetrachlorophenol	0.017	U	0.017	0.0070	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
2,4-Dichlorophenol	0.0034	U	0.0034	0.0013	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
2,4-Dimethylphenol	0.017	U	0.017	0.0056	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
2,4-Dinitrophenol	0.17	U	0.17	0.10	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
2,4-Dinitrotoluene	0.017	U	0.017	0.0099	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
2,6-Dinitrotoluene	0.017	U	0.017	0.0065	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
2-Methylnaphthalene	0.0034	U	0.0034	0.00080	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
2-Methylphenol	0.017	U	0.017	0.0048	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Methylphenol, 3 & 4	0.017	U	0.017	0.0049	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
2-Nitroaniline	0.085	U	0.085	0.0076	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
3-Nitroaniline	0.085	U	0.085	0.0042	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
4-Nitroaniline	0.085	U	0.085	0.0062	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
2-Nitrophenol	0.017	U	0.017	0.0061	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
4-Nitrophenol	0.085	U	0.085	0.012	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
2,2'-oxybis[1-chloropropane]	0.0034	U	0.0034	0.0012	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
2,4,5-Trichlorophenol	0.017	U	0.017	0.0058	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
2,4,6-Trichlorophenol	0.017	U	0.017	0.0055	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
4-Chloro-3-methylphenol	0.017	U	0.017	0.0059	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
4-Chlorophenyl phenyl ether	0.017	U	0.017	0.0055	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
4,6-Dinitro-2-methylphenol	0.085	U	0.085	0.029	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Cresols, Total	0.033	U	0.033	0.0095	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Acenaphthene	0.0034	U	0.0034	0.00096	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Acenaphthylene	0.0034	U	0.0034	0.00073	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Acetophenone	0.034	U	0.034	0.0059	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Aniline	0.017	U	0.017	0.0043	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Anthracene	0.0034	U	0.0034	0.00087	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Atrazine	0.034	U	0.034	0.0073	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Benzaldehyde	0.034	U	0.034	0.0021	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Benzidine	0.34	U	0.34	0.13	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Benzo[a]anthracene	0.0034	U	0.0034	0.0015	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Benzo[b]fluoranthene	0.0034	U	0.0034	0.00082	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Benzo[k]fluoranthene	0.0034	U	0.0034	0.0010	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Benzoic acid	0.085	U	0.085	0.037	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Benzo[g,h,i]perylene	0.0034	U	0.0034	0.00072	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Benzo[a]pyrene	0.0034	U	0.0034	0.0014	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Bis(2-chloroethoxy)methane	0.017	U	0.017	0.0061	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Bis(2-chloroethyl)ether	0.0034	U	0.0034	0.0010	mg/Kg		06/24/26 05:24	06/24/26 09:51	1

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QC Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-515283/1-A

Matrix: Sediment

Analysis Batch: 515382

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 515283

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.17	U	0.17	0.018	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
4-Bromophenyl phenyl ether	0.017	U	0.017	0.0071	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Butyl benzyl phthalate	0.084	U	0.084	0.012	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Caprolactam	0.085	U	0.085	0.011	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Carbazole	0.0034	U	0.0034	0.00078	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
4-Chloroaniline	0.017	U	0.017	0.0044	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Chrysene	0.0034	U	0.0034	0.0019	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Dibenz(a,h)anthracene	0.0034	U	0.0034	0.0021	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Dibenzofuran	0.017	U	0.017	0.0061	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Di-n-butyl phthalate	0.17	U	0.17	0.035	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Di-n-octyl phthalate	0.017	U	0.017	0.0097	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Diethyl phthalate	0.017	U	0.017	0.0059	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Dimethyl phthalate	0.034	U	0.034	0.019	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Fluoranthene	0.0034	U	0.0034	0.00088	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Fluorene	0.0034	U	0.0034	0.00066	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Hexachlorobenzene	0.0034	U	0.0034	0.0012	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Hexachlorobutadiene	0.0034	U	0.0034	0.00098	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Hexachlorocyclopentadiene	0.017	U	0.017	0.0045	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Hexachloroethane	0.017	U	0.017	0.0059	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Indeno[1,2,3-cd]pyrene	0.0034	U	0.0034	0.0017	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Isophorone	0.017	U	0.017	0.0062	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Naphthalene	0.0034	U	0.0034	0.00065	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Nitrobenzene	0.033	U	0.033	0.0061	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
N-Nitrosodimethylamine	0.017	U	0.017	0.0063	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
N-Nitrosodiphenylamine	0.017	U	0.017	0.0056	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
N-Nitrosodi-n-propylamine	0.0034	U	0.0034	0.0011	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Pentachlorophenol	0.085	U	0.085	0.027	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Phenanthrene	0.0034	U	0.0034	0.00090	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Phenol	0.017	U	0.017	0.0051	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Pyrene	0.0034	U	0.0034	0.0012	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Pyridine	0.034	U	0.034	0.0090	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
Benzyl alcohol	0.084	U	0.084	0.023	mg/Kg		06/24/26 05:24	06/24/26 09:51	1
3,3'-Dichlorobenzidine	0.017	U	0.017	0.016	mg/Kg		06/24/26 05:24	06/24/26 09:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	86		30 - 105	06/24/26 05:24	06/24/26 09:51	1
2-Fluorophenol (Surr)	91		25 - 105	06/24/26 05:24	06/24/26 09:51	1
2,4,6-Tribromophenol (Surr)	101		20 - 119	06/24/26 05:24	06/24/26 09:51	1
Nitrobenzene-d5 (Surr)	95		27 - 105	06/24/26 05:24	06/24/26 09:51	1
Phenol-d5 (Surr)	86		29 - 105	06/24/26 05:24	06/24/26 09:51	1
Terphenyl-d14 (Surr)	89		29 - 105	06/24/26 05:24	06/24/26 09:51	1

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-515283/2-A

Matrix: Sediment

Analysis Batch: 515382

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515283

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	0.333	0.232		mg/Kg		70	50 - 100
1,2-Dichlorobenzene	0.333	0.241		mg/Kg		72	41 - 100
1,2,4,5-Tetrachlorobenzene	0.333	0.231		mg/Kg		69	40 - 103
1,3-Dichlorobenzene	0.333	0.234		mg/Kg		70	41 - 100
1,4-Dichlorobenzene	0.333	0.236		mg/Kg		71	41 - 100
1,4-Dioxane	0.333	0.245		mg/Kg		74	10 - 133
1,2-Diphenylhydrazine(as Azobenzene)	0.333	0.229		mg/Kg		69	39 - 111
1,2,4-Trichlorobenzene	0.333	0.223		mg/Kg		67	44 - 100
2-Chloronaphthalene	0.333	0.232		mg/Kg		70	47 - 100
2-Chlorophenol	0.333	0.251		mg/Kg		75	52 - 100
2,3,4,6-Tetrachlorophenol	0.333	0.222		mg/Kg		67	43 - 107
2,4-Dichlorophenol	0.333	0.226		mg/Kg		68	54 - 101
2,4-Dimethylphenol	0.333	0.231		mg/Kg		69	50 - 103
2,4-Dinitrophenol	0.667	0.427		mg/Kg		64	37 - 112
2,4-Dinitrotoluene	0.333	0.260		mg/Kg		78	52 - 101
2,6-Dinitrotoluene	0.333	0.243		mg/Kg		73	48 - 100
2-Methylnaphthalene	0.333	0.215		mg/Kg		65	51 - 100
2-Methylphenol	0.333	0.242		mg/Kg		73	48 - 101
Methylphenol, 3 & 4	0.333	0.246		mg/Kg		74	50 - 100
2-Nitroaniline	0.333	0.260		mg/Kg		78	43 - 106
3-Nitroaniline	0.333	0.238		mg/Kg		72	50 - 100
4-Nitroaniline	0.333	0.238		mg/Kg		72	47 - 102
2-Nitrophenol	0.333	0.247		mg/Kg		74	56 - 100
4-Nitrophenol	0.667	0.498		mg/Kg		75	33 - 121
2,2'-oxybis[1-chloropropane]	0.333	0.233		mg/Kg		70	30 - 101
2,4,5-Trichlorophenol	0.333	0.239		mg/Kg		72	54 - 100
2,4,6-Trichlorophenol	0.333	0.238		mg/Kg		71	52 - 100
4-Chloro-3-methylphenol	0.333	0.233		mg/Kg		70	47 - 108
4-Chlorophenyl phenyl ether	0.333	0.229		mg/Kg		69	50 - 100
4,6-Dinitro-2-methylphenol	0.667	0.510		mg/Kg		76	51 - 100
Cresols, Total	0.667	0.489		mg/Kg		73	43 - 102
Acenaphthene	0.333	0.225		mg/Kg		67	49 - 100
Acenaphthylene	0.333	0.222		mg/Kg		67	49 - 100
Acetophenone	0.333	0.246		mg/Kg		74	49 - 100
Aniline	0.333	0.242		mg/Kg		73	36 - 100
Anthracene	0.333	0.226		mg/Kg		68	47 - 100
Atrazine	0.333	0.253		mg/Kg		76	46 - 102
Benzaldehyde	0.333	0.256		mg/Kg		77	15 - 108
Benzidine	0.333	0.236	J	mg/Kg		71	10 - 100
Benzo[a]anthracene	0.333	0.216		mg/Kg		65	47 - 100
Benzo[b]fluoranthene	0.333	0.218		mg/Kg		65	44 - 100
Benzo[k]fluoranthene	0.333	0.210		mg/Kg		63	43 - 100
Benzoic acid	0.333	0.215		mg/Kg		65	22 - 123
Benzo[g,h,i]perylene	0.333	0.219		mg/Kg		66	45 - 103
Benzo[a]pyrene	0.333	0.215		mg/Kg		64	45 - 101
Bis(2-chloroethoxy)methane	0.333	0.196		mg/Kg		59	41 - 100
Bis(2-chloroethyl)ether	0.333	0.258		mg/Kg		77	43 - 101

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-515283/2-A

Matrix: Sediment

Analysis Batch: 515382

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515283

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Bis(2-ethylhexyl) phthalate	0.333	0.223		mg/Kg		67	40 - 109
4-Bromophenyl phenyl ether	0.333	0.240		mg/Kg		72	49 - 100
Butyl benzyl phthalate	0.333	0.219		mg/Kg		66	41 - 110
Caprolactam	0.333	0.222		mg/Kg		67	35 - 123
Carbazole	0.333	0.231		mg/Kg		69	46 - 100
4-Chloroaniline	0.333	0.226		mg/Kg		68	48 - 100
Chrysene	0.333	0.206		mg/Kg		62	44 - 100
Dibenz(a,h)anthracene	0.333	0.246		mg/Kg		74	50 - 100
Dibenzofuran	0.333	0.225		mg/Kg		68	47 - 100
Di-n-butyl phthalate	0.333	0.239		mg/Kg		72	50 - 100
Di-n-octyl phthalate	0.333	0.223		mg/Kg		67	20 - 126
Diethyl phthalate	0.333	0.236		mg/Kg		71	45 - 100
Dimethyl phthalate	0.333	0.232		mg/Kg		70	46 - 101
Fluoranthene	0.333	0.226		mg/Kg		68	49 - 102
Fluorene	0.333	0.225		mg/Kg		67	46 - 100
Hexachlorobenzene	0.333	0.240		mg/Kg		72	45 - 101
Hexachlorobutadiene	0.333	0.230		mg/Kg		69	49 - 100
Hexachlorocyclopentadiene	0.333	0.174		mg/Kg		52	23 - 107
Hexachloroethane	0.333	0.243		mg/Kg		73	46 - 100
Indeno[1,2,3-cd]pyrene	0.333	0.241		mg/Kg		72	48 - 100
Isophorone	0.333	0.229		mg/Kg		69	46 - 100
Naphthalene	0.333	0.217		mg/Kg		65	50 - 100
Nitrobenzene	0.333	0.234		mg/Kg		70	48 - 100
N-Nitrosodimethylamine	0.333	0.287		mg/Kg		86	29 - 121
N-Nitrosodiphenylamine	0.333	0.239		mg/Kg		72	46 - 100
N-Nitrosodi-n-propylamine	0.333	0.261		mg/Kg		78	45 - 100
Pentachlorophenol	0.667	0.370		mg/Kg		55	42 - 100
Phenanthrene	0.333	0.227		mg/Kg		68	46 - 100
Phenol	0.333	0.236		mg/Kg		71	46 - 103
Pyrene	0.333	0.208		mg/Kg		62	44 - 102
Pyridine	0.667	0.529		mg/Kg		79	25 - 109
Benzyl alcohol	0.333	0.254		mg/Kg		76	40 - 104
3,3'-Dichlorobenzidine	0.333	0.257		mg/Kg		77	51 - 101

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	70		30 - 105
2-Fluorophenol (Surr)	82		25 - 105
2,4,6-Tribromophenol (Surr)	79		20 - 119
Nitrobenzene-d5 (Surr)	73		27 - 105
Phenol-d5 (Surr)	76		29 - 105
Terphenyl-d14 (Surr)	68		29 - 105

QC Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Method: EPA 8081B LL - Organochlorine Pesticides (GC)

Lab Sample ID: MB 180-515277/1-A

Matrix: Sediment

Analysis Batch: 515427

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 515277

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	0.000042	U	0.000042	0.000013	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
alpha-BHC (1C)	0.000042	U	0.000042	0.000010	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
beta-BHC (1C)	0.000042	U	0.000042	0.000011	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
delta-BHC (1C)	0.000042	U	0.000042	0.000013	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
gamma-BHC (Lindane) (1C)	0.000042	U	0.000042	0.000011	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
cis-Chlordane (1C)	0.000042	U	0.000042	0.000010	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
trans-Chlordane (1C)	0.000042	U	0.000042	0.0000097	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
Chlordane (technical) (1C)	0.00042	U	0.00042	0.00018	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
4,4'-DDD (1C)	0.000042	U	0.000042	0.0000088	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
4,4'-DDE (1C)	0.000042	U	0.000042	0.0000085	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
4,4'-DDT (1C)	0.000042	U	0.000042	0.000030	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
Dieldrin (1C)	0.000042	U	0.000042	0.000010	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
Endosulfan I (1C)	0.000042	U	0.000042	0.000011	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
Endosulfan II (1C)	0.000042	U	0.000042	0.0000092	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
Endosulfan sulfate (1C)	0.000042	U	0.000042	0.000019	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
Endrin (1C)	0.000042	U	0.000042	0.0000078	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
Endrin aldehyde (1C)	0.000042	U	0.000042	0.000015	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
Endrin ketone (1C)	0.000042	U	0.000042	0.000017	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
Heptachlor (1C)	0.000042	U	0.000042	0.000013	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
Heptachlor epoxide (1C)	0.000042	U	0.000042	0.000011	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
Methoxychlor (1C)	0.000042	U	0.000042	0.000016	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
Mirex (1C)	0.000042	U	0.000042	0.000030	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
Toxaphene (1C)	0.0017	U	0.0017	0.0011	mg/Kg		06/24/26 05:51	06/25/26 14:47	1
Endosulfan, Total (1C)	0.000083	U	0.000083	0.000021	mg/Kg		06/24/26 05:51	06/25/26 14:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr) (1C)	86		18 - 145	06/24/26 05:51	06/25/26 14:47	1
Tetrachloro-m-xylene (Surr) (2C)	90		18 - 145	06/24/26 05:51	06/25/26 14:47	1
DCB Decachlorobiphenyl (Surr) (1C)	84		37 - 147	06/24/26 05:51	06/25/26 14:47	1
DCB Decachlorobiphenyl (Surr) (2C)	84		37 - 147	06/24/26 05:51	06/25/26 14:47	1

Lab Sample ID: LCS 180-515277/2-A

Matrix: Sediment

Analysis Batch: 515427

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515277

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin (2C)	0.000833	0.000684		mg/Kg		82	47 - 123
alpha-BHC (2C)	0.000833	0.000710		mg/Kg		85	47 - 120
beta-BHC (1C)	0.000833	0.000736		mg/Kg		88	49 - 122
delta-BHC (1C)	0.000833	0.000580		mg/Kg		70	14 - 131
gamma-BHC (Lindane) (2C)	0.000833	0.000740		mg/Kg		89	53 - 120
cis-Chlordane (2C)	0.000833	0.000650		mg/Kg		78	48 - 121
trans-Chlordane (2C)	0.000833	0.000686		mg/Kg		82	45 - 131
4,4'-DDD (2C)	0.000833	0.000717	p	mg/Kg		86	47 - 133
4,4'-DDE (1C)	0.000833	0.000909		mg/Kg		109	55 - 121
4,4'-DDT (1C)	0.000833	0.000716		mg/Kg		86	33 - 133
Dieldrin (1C)	0.000833	0.000797		mg/Kg		96	50 - 127

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

Method: EPA 8081B LL - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 180-515277/2-A

Matrix: Sediment

Analysis Batch: 515427

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515277

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Endosulfan I (2C)	0.000833	0.000661		mg/Kg		79	46 - 128
Endosulfan II (1C)	0.000833	0.000838		mg/Kg		101	48 - 125
Endosulfan sulfate (1C)	0.000833	0.000736		mg/Kg		88	27 - 126
Endrin (1C)	0.000833	0.000839		mg/Kg		101	57 - 138
Endrin aldehyde (1C)	0.000833	0.000561		mg/Kg		67	15 - 150
Endrin ketone (1C)	0.000833	0.000810		mg/Kg		97	46 - 128
Heptachlor (2C)	0.000833	0.000658		mg/Kg		79	45 - 123
Heptachlor epoxide (1C)	0.000833	0.000680		mg/Kg		82	54 - 124
Methoxychlor (1C)	0.000833	0.000772		mg/Kg		93	31 - 143

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene (Surr) (1C)	83		18 - 145
Tetrachloro-m-xylene (Surr) (2C)	88		18 - 145
DCB Decachlorobiphenyl (Surr) (1C)	86		37 - 147
DCB Decachlorobiphenyl (Surr) (2C)	79		37 - 147

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 180-515275/1-A

Matrix: Sediment

Analysis Batch: 515371

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 515275

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016 (1C)	0.00042	U	0.00042	0.00014	mg/Kg		06/23/26 05:15	06/24/26 10:12	1
PCB-1221 (1C)	0.00042	U	0.00042	0.00015	mg/Kg		06/23/26 05:15	06/24/26 10:12	1
PCB-1232 (1C)	0.00042	U	0.00042	0.00010	mg/Kg		06/23/26 05:15	06/24/26 10:12	1
PCB-1242 (1C)	0.00042	U	0.00042	0.000061	mg/Kg		06/23/26 05:15	06/24/26 10:12	1
PCB-1248 (1C)	0.00042	U	0.00042	0.00010	mg/Kg		06/23/26 05:15	06/24/26 10:12	1
PCB-1254 (1C)	0.00042	U	0.00042	0.00013	mg/Kg		06/23/26 05:15	06/24/26 10:12	1
PCB-1260 (1C)	0.00042	U	0.00042	0.00012	mg/Kg		06/23/26 05:15	06/24/26 10:12	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr) (1C)	71		24 - 125	06/23/26 05:15	06/24/26 10:12	1
DCB Decachlorobiphenyl (Surr) (2C)	73		24 - 125	06/23/26 05:15	06/24/26 10:12	1
Tetrachloro-m-xylene (Surr) (1C)	54		41 - 105	06/23/26 05:15	06/24/26 10:12	1
Tetrachloro-m-xylene (Surr) (2C)	71		41 - 105	06/23/26 05:15	06/24/26 10:12	1

Lab Sample ID: LCS 180-515275/2-A

Matrix: Sediment

Analysis Batch: 515371

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515275

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
PCB-1016 (1C)	0.0333	0.0141	p	mg/Kg		42	39 - 126
PCB-1260 (1C)	0.0333	0.0263		mg/Kg		79	36 - 122

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCS 180-515275/2-A

Matrix: Sediment

Analysis Batch: 515371

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515275

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr) (1C)	69		24 - 125
DCB Decachlorobiphenyl (Surr) (2C)	73		24 - 125
Tetrachloro-m-xylene (Surr) (1C)	51		41 - 105
Tetrachloro-m-xylene (Surr) (2C)	71		41 - 105

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-837652/1-A

Matrix: Solid

Analysis Batch: 842140

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 837652

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	20	U	20	9.9	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Arsenic	0.40	U	0.40	0.13	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Barium	0.40	U	0.40	0.22	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Beryllium	0.10	U	0.10	0.024	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Cadmium	0.10	U	0.10	0.040	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Calcium	40	U	40	20	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Chromium	0.40	U	0.40	0.38	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Cobalt	0.20	U	0.20	0.080	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Copper	0.353	J	0.40	0.18	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Iron	20	U	20	10	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Silver	0.10	U	0.10	0.041	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Potassium	40	U	40	16	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Magnesium	10	U	10	4.9	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Manganese	1.0	U	1.0	0.69	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Sodium	50	U	50	24	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Nickel	0.40	U	0.40	0.19	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Lead	0.20	U	0.20	0.086	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Antimony	0.20	U	0.20	0.080	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Selenium	0.40	U	0.40	0.10	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Thallium	0.10	U	0.10	0.039	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Vanadium	0.80	U	0.80	0.20	mg/Kg		06/25/26 09:24	06/25/26 18:50	2
Zinc	30	U	30	4.0	mg/Kg		06/25/26 09:24	06/25/26 18:50	2

Lab Sample ID: LCS 410-837652/2-A

Matrix: Solid

Analysis Batch: 842140

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 837652

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Aluminum	500	515		mg/Kg		103	82 - 119
Arsenic	50.0	51.0		mg/Kg		102	84 - 114
Barium	50.0	52.5		mg/Kg		105	85 - 118
Beryllium	5.00	5.18		mg/Kg		104	74 - 120
Cadmium	5.00	5.27		mg/Kg		105	85 - 117

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QC Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-837652/2-A

Matrix: Solid

Analysis Batch: 842140

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 837652

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Calcium	500	516		mg/Kg		103	81 - 119
Chromium	50.0	52.4		mg/Kg		105	83 - 116
Cobalt	50.0	52.8		mg/Kg		106	83 - 115
Copper	50.0	51.9		mg/Kg		104	83 - 115
Iron	500	513		mg/Kg		103	84 - 118
Silver	5.00	5.67		mg/Kg		113	87 - 119
Potassium	500	513		mg/Kg		103	83 - 118
Magnesium	500	524		mg/Kg		105	82 - 119
Manganese	50.0	51.7		mg/Kg		103	84 - 116
Sodium	500	526		mg/Kg		105	81 - 120
Nickel	50.0	52.8		mg/Kg		106	84 - 116
Lead	5.00	5.35		mg/Kg		107	85 - 119
Antimony	10.0	10.3		mg/Kg		103	83 - 117
Selenium	10.0	10.3		mg/Kg		103	83 - 115
Thallium	10.0	11.0		mg/Kg		110	86 - 116
Vanadium	50.0	52.3		mg/Kg		105	83 - 115
Zinc	50.0	50.5		mg/Kg		101	84 - 116

Lab Sample ID: MB 410-841978/1-A

Matrix: Solid

Analysis Batch: 843836

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 841978

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	20	U	20	9.9	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Arsenic	0.40	U	0.40	0.13	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Barium	0.40	U	0.40	0.22	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Beryllium	0.10	U	0.10	0.024	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Cadmium	0.10	U	0.10	0.040	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Calcium	40	U	40	20	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Chromium	0.40	U	0.40	0.38	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Cobalt	0.20	U	0.20	0.080	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Copper	0.40	U	0.40	0.18	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Iron	20	U	20	10	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Silver	0.10	U	0.10	0.041	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Potassium	40	U	40	16	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Magnesium	10	U	10	4.9	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Manganese	1.0	U	1.0	0.69	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Sodium	50	U	50	24	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Nickel	0.40	U	0.40	0.19	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Lead	0.20	U	0.20	0.086	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Antimony	0.20	U	0.20	0.080	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Selenium	0.40	U	0.40	0.10	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Thallium	0.10	U	0.10	0.039	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Vanadium	0.80	U	0.80	0.20	mg/Kg		06/29/26 09:31	06/29/26 20:13	2
Zinc	30	U	30	4.0	mg/Kg		06/29/26 09:31	06/29/26 20:13	2

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-841978/2-A

Matrix: Solid

Analysis Batch: 843836

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 841978

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	494		mg/Kg		99	82 - 119
Arsenic	50.0	48.0		mg/Kg		96	84 - 114
Barium	50.0	49.2		mg/Kg		98	85 - 118
Beryllium	5.00	5.03		mg/Kg		101	74 - 120
Cadmium	5.00	4.87		mg/Kg		97	85 - 117
Calcium	500	544		mg/Kg		109	81 - 119
Chromium	50.0	47.6		mg/Kg		95	83 - 116
Cobalt	50.0	48.4		mg/Kg		97	83 - 115
Copper	50.0	48.7		mg/Kg		97	83 - 115
Iron	500	480		mg/Kg		96	84 - 118
Silver	5.00	5.12		mg/Kg		102	87 - 119
Potassium	500	475		mg/Kg		95	83 - 118
Magnesium	500	516		mg/Kg		103	82 - 119
Manganese	50.0	47.1		mg/Kg		94	84 - 116
Sodium	500	517		mg/Kg		103	81 - 120
Nickel	50.0	48.4		mg/Kg		97	84 - 116
Lead	5.00	5.13		mg/Kg		103	85 - 119
Antimony	10.0	10.1		mg/Kg		101	83 - 117
Selenium	10.0	9.73		mg/Kg		97	83 - 115
Thallium	10.0	9.92		mg/Kg		99	86 - 116
Vanadium	50.0	47.5		mg/Kg		95	83 - 115
Zinc	50.0	48.0		mg/Kg		96	84 - 116

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 410-844638/1-A

Matrix: Solid

Analysis Batch: 845296

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 844638

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.060	U	0.060	0.020	mg/Kg		07/01/26 12:40	07/01/26 17:43	1

Lab Sample ID: LCS 410-844638/2-A

Matrix: Solid

Analysis Batch: 845296

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 844638

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.167	0.164		mg/Kg		99	80 - 120

Method: 2540G-2011 - Total, Fixed, and Volatile Solids

Lab Sample ID: 630-138167-22 DU

Matrix: Solid

Analysis Batch: 839296

Client Sample ID: SC-3 COMPOSITE (C5+C6+C8)

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	58		58.7		%		0.5	5
Total Solids	42		41.3		%		0.7	5
Percent Solids	42		41.3		%		0.7	5

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 410-841283/1-A

Matrix: Solid

Analysis Batch: 842068

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 841283

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.42	U	0.42	0.37	mg/Kg		06/24/26 20:31	06/25/26 19:51	1

Lab Sample ID: LCS 410-841283/2-A

Matrix: Solid

Analysis Batch: 842068

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 841283

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	5.00	4.95		mg/Kg		99	80 - 120

Lab Sample ID: LCSI 410-841283/3-A

Matrix: Solid

Analysis Batch: 842068

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 841283

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	926	882		mg/Kg		95	80 - 120

Lab Sample ID: MB 410-843801/1-A

Matrix: Solid

Analysis Batch: 844189

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 843801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.42	U	0.42	0.37	mg/Kg		06/29/26 21:22	06/30/26 12:00	1

Lab Sample ID: LCS 410-843801/2-A

Matrix: Solid

Analysis Batch: 844189

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 843801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	5.00	4.55		mg/Kg		91	80 - 120

Lab Sample ID: LCSI 410-843801/3-A

Matrix: Solid

Analysis Batch: 844189

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 843801

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	727	642		mg/Kg		88	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-515349/4-A

Matrix: Sediment

Analysis Batch: 515408

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 515349

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.20	U	0.20	0.15	mg/Kg		06/23/26 13:35	06/24/26 14:20	1

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: HLCS 180-515349/2-A
Matrix: Sediment
Analysis Batch: 515408

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 515349

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.230		mg/Kg		92	90 - 110

Lab Sample ID: LCS 180-515349/3-A
Matrix: Sediment
Analysis Batch: 515408

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 515349

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	20.0	26.6		mg/Kg		133	25 - 150

Lab Sample ID: LLCS 180-515349/1-A
Matrix: Sediment
Analysis Batch: 515408

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 515349

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0500	0.0493		mg/Kg		99	90 - 110

Lab Sample ID: 630-138167-7 MS
Matrix: Sediment
Analysis Batch: 515408

Client Sample ID: C-4 DISCRETE
Prep Type: Total/NA
Prep Batch: 515349

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.42	U F2 F1 * +	7.11	0.403	F1	mg/Kg	⊛	6	75 - 125

Lab Sample ID: 630-138167-7 MSD
Matrix: Sediment
Analysis Batch: 515408

Client Sample ID: C-4 DISCRETE
Prep Type: Total/NA
Prep Batch: 515349

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.42	U F2 F1 * +	9.20	5.61	F2 F1	mg/Kg	⊛	61	75 - 125	173	20

Method: EPA-Lloyd Kahn - Organic Carbon, Total (TOC)

Lab Sample ID: MB 180-515414/4
Matrix: Sediment
Analysis Batch: 515414

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1000	U	1000	970	mg/Kg			06/24/26 09:01	1

Lab Sample ID: LCS 180-515414/5
Matrix: Sediment
Analysis Batch: 515414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	40000	40200		mg/Kg		100	75 - 125

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

Method: EPA-Lloyd Kahn - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCSD 180-515414/6				Client Sample ID: Lab Control Sample Dup							
Matrix: Sediment				Prep Type: Total/NA							
Analysis Batch: 515414											
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Total Organic Carbon	40000	39500		mg/Kg		99	75 - 125	2	20		

QC Association Summary

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

GC/MS Semi VOA

Prep Batch: 515283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-7	C-4 DISCRETE	Total/NA	Sediment	3541	
630-138167-17	SC-1 COMPOSITE (C1+C2)	Total/NA	Sediment	3541	
630-138167-19	SC-2 COMPOSITE (C3+C7)	Total/NA	Sediment	3541	
630-138167-21	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Sediment	3541	
MB 180-515283/1-A	Method Blank	Total/NA	Sediment	3541	
LCS 180-515283/2-A	Lab Control Sample	Total/NA	Sediment	3541	

Analysis Batch: 515382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-7	C-4 DISCRETE	Total/NA	Sediment	EPA 8270E LL	515283
630-138167-17	SC-1 COMPOSITE (C1+C2)	Total/NA	Sediment	EPA 8270E LL	515283
630-138167-19	SC-2 COMPOSITE (C3+C7)	Total/NA	Sediment	EPA 8270E LL	515283
630-138167-21	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Sediment	EPA 8270E LL	515283
MB 180-515283/1-A	Method Blank	Total/NA	Sediment	EPA 8270E LL	515283
LCS 180-515283/2-A	Lab Control Sample	Total/NA	Sediment	EPA 8270E LL	515283

GC Semi VOA

Prep Batch: 515275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-7	C-4 DISCRETE	Total/NA	Sediment	3541	
630-138167-17	SC-1 COMPOSITE (C1+C2)	Total/NA	Sediment	3541	
630-138167-19	SC-2 COMPOSITE (C3+C7)	Total/NA	Sediment	3541	
630-138167-21	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Sediment	3541	
MB 180-515275/1-A	Method Blank	Total/NA	Sediment	3541	
LCS 180-515275/2-A	Lab Control Sample	Total/NA	Sediment	3541	

Prep Batch: 515277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-7	C-4 DISCRETE	Total/NA	Sediment	3541	
630-138167-17	SC-1 COMPOSITE (C1+C2)	Total/NA	Sediment	3541	
630-138167-19	SC-2 COMPOSITE (C3+C7)	Total/NA	Sediment	3541	
630-138167-21	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Sediment	3541	
MB 180-515277/1-A	Method Blank	Total/NA	Sediment	3541	
LCS 180-515277/2-A	Lab Control Sample	Total/NA	Sediment	3541	

Analysis Batch: 515371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-7	C-4 DISCRETE	Total/NA	Sediment	EPA 8082A	515275
630-138167-17	SC-1 COMPOSITE (C1+C2)	Total/NA	Sediment	EPA 8082A	515275
630-138167-19	SC-2 COMPOSITE (C3+C7)	Total/NA	Sediment	EPA 8082A	515275
630-138167-21	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Sediment	EPA 8082A	515275
MB 180-515275/1-A	Method Blank	Total/NA	Sediment	EPA 8082A	515275
LCS 180-515275/2-A	Lab Control Sample	Total/NA	Sediment	EPA 8082A	515275

Analysis Batch: 515427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-7	C-4 DISCRETE	Total/NA	Sediment	EPA 8081B LL	515277
630-138167-17	SC-1 COMPOSITE (C1+C2)	Total/NA	Sediment	EPA 8081B LL	515277
630-138167-19	SC-2 COMPOSITE (C3+C7)	Total/NA	Sediment	EPA 8081B LL	515277

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QC Association Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

GC Semi VOA (Continued)

Analysis Batch: 515427 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-21	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Sediment	EPA 8081B LL	515277
MB 180-515277/1-A	Method Blank	Total/NA	Sediment	EPA 8081B LL	515277
LCS 180-515277/2-A	Lab Control Sample	Total/NA	Sediment	EPA 8081B LL	515277

Analysis Batch: 515454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-7	C-4 DISCRETE	Total/NA	Sediment	PCB	
630-138167-17	SC-1 COMPOSITE (C1+C2)	Total/NA	Sediment	PCB	
630-138167-19	SC-2 COMPOSITE (C3+C7)	Total/NA	Sediment	PCB	
630-138167-21	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Sediment	PCB	

Metals

Prep Batch: 837652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-8	C-4 DISCRETE	Total/NA	Solid	3050B	
MB 410-837652/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 410-837652/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 841978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-18	SC-1 COMPOSITE (C1+C2)	Total/NA	Solid	3050B	
630-138167-20	SC-2 COMPOSITE (C3+C7)	Total/NA	Solid	3050B	
630-138167-22	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Solid	3050B	
MB 410-841978/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 410-841978/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 842140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-8	C-4 DISCRETE	Total/NA	Solid	6020B	837652
MB 410-837652/1-A	Method Blank	Total/NA	Solid	6020B	837652
LCS 410-837652/2-A	Lab Control Sample	Total/NA	Solid	6020B	837652

Analysis Batch: 843836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-18	SC-1 COMPOSITE (C1+C2)	Total/NA	Solid	6020B	841978
630-138167-20	SC-2 COMPOSITE (C3+C7)	Total/NA	Solid	6020B	841978
630-138167-22	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Solid	6020B	841978
MB 410-841978/1-A	Method Blank	Total/NA	Solid	6020B	841978
LCS 410-841978/2-A	Lab Control Sample	Total/NA	Solid	6020B	841978

Analysis Batch: 844243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-22	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Solid	6020B	841978

Prep Batch: 844638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-8	C-4 DISCRETE	Total/NA	Solid	7471B	
630-138167-18	SC-1 COMPOSITE (C1+C2)	Total/NA	Solid	7471B	
630-138167-20	SC-2 COMPOSITE (C3+C7)	Total/NA	Solid	7471B	

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QC Association Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

Metals (Continued)

Prep Batch: 844638 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-22	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Solid	7471B	
MB 410-844638/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 410-844638/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 845296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-8	C-4 DISCRETE	Total/NA	Solid	7471B	844638
630-138167-18	SC-1 COMPOSITE (C1+C2)	Total/NA	Solid	7471B	844638
630-138167-20	SC-2 COMPOSITE (C3+C7)	Total/NA	Solid	7471B	844638
630-138167-22	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Solid	7471B	844638
MB 410-844638/1-A	Method Blank	Total/NA	Solid	7471B	844638
LCS 410-844638/2-A	Lab Control Sample	Total/NA	Solid	7471B	844638

General Chemistry

Analysis Batch: 515327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-7	C-4 DISCRETE	Total/NA	Sediment	2540G	
630-138167-17	SC-1 COMPOSITE (C1+C2)	Total/NA	Sediment	2540G	
630-138167-19	SC-2 COMPOSITE (C3+C7)	Total/NA	Sediment	2540G	
630-138167-21	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Sediment	2540G	

Prep Batch: 515349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-7	C-4 DISCRETE	Total/NA	Sediment	9010C	
630-138167-17	SC-1 COMPOSITE (C1+C2)	Total/NA	Sediment	9010C	
630-138167-19	SC-2 COMPOSITE (C3+C7)	Total/NA	Sediment	9010C	
630-138167-21	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Sediment	9010C	
MB 180-515349/4-A	Method Blank	Total/NA	Sediment	9010C	
HLCS 180-515349/2-A	Lab Control Sample	Total/NA	Sediment	9010C	
LCS 180-515349/3-A	Lab Control Sample	Total/NA	Sediment	9010C	
LLCS 180-515349/1-A	Lab Control Sample	Total/NA	Sediment	9010C	
630-138167-7 MS	C-4 DISCRETE	Total/NA	Sediment	9010C	
630-138167-7 MSD	C-4 DISCRETE	Total/NA	Sediment	9010C	

Analysis Batch: 515408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-7	C-4 DISCRETE	Total/NA	Sediment	EPA 9014	515349
630-138167-17	SC-1 COMPOSITE (C1+C2)	Total/NA	Sediment	EPA 9014	515349
630-138167-19	SC-2 COMPOSITE (C3+C7)	Total/NA	Sediment	EPA 9014	515349
630-138167-21	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Sediment	EPA 9014	515349
MB 180-515349/4-A	Method Blank	Total/NA	Sediment	EPA 9014	515349
HLCS 180-515349/2-A	Lab Control Sample	Total/NA	Sediment	EPA 9014	515349
LCS 180-515349/3-A	Lab Control Sample	Total/NA	Sediment	EPA 9014	515349
LLCS 180-515349/1-A	Lab Control Sample	Total/NA	Sediment	EPA 9014	515349
630-138167-7 MS	C-4 DISCRETE	Total/NA	Sediment	EPA 9014	515349
630-138167-7 MSD	C-4 DISCRETE	Total/NA	Sediment	EPA 9014	515349

QC Association Summary

Client: ST Hudson Engineers

Job ID: 630-138167-2

Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

General Chemistry

Analysis Batch: 515414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-7	C-4 DISCRETE	Total/NA	Sediment	EPA-Lloyd Kahn	
MB 180-515414/4	Method Blank	Total/NA	Sediment	EPA-Lloyd Kahn	
LCS 180-515414/5	Lab Control Sample	Total/NA	Sediment	EPA-Lloyd Kahn	
LCSD 180-515414/6	Lab Control Sample Dup	Total/NA	Sediment	EPA-Lloyd Kahn	

Analysis Batch: 836586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-8	C-4 DISCRETE	Total/NA	Solid	7196A	
630-138167-18	SC-1 COMPOSITE (C1+C2)	Total/NA	Solid	7196A	
630-138167-20	SC-2 COMPOSITE (C3+C7)	Total/NA	Solid	7196A	
630-138167-22	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Solid	7196A	

Analysis Batch: 836736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-8	C-4 DISCRETE	Total/NA	Solid	2540G-2011	

Analysis Batch: 836862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-8	C-4 DISCRETE	Total/NA	Solid	Moisture	
630-138167-18	SC-1 COMPOSITE (C1+C2)	Total/NA	Solid	Moisture	
630-138167-20	SC-2 COMPOSITE (C3+C7)	Total/NA	Solid	Moisture	
630-138167-22	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Solid	Moisture	

Analysis Batch: 839296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-18	SC-1 COMPOSITE (C1+C2)	Total/NA	Solid	2540G-2011	
630-138167-20	SC-2 COMPOSITE (C3+C7)	Total/NA	Solid	2540G-2011	
630-138167-22	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Solid	2540G-2011	
LCS 410-839296/2	Lab Control Sample	Total/NA	Solid	2540G-2011	
630-138167-22 DU	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Solid	2540G-2011	

Prep Batch: 841283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-8	C-4 DISCRETE	Total/NA	Solid	3060A	
630-138167-18	SC-1 COMPOSITE (C1+C2)	Total/NA	Solid	3060A	
MB 410-841283/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 410-841283/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSI 410-841283/3-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 842068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-8	C-4 DISCRETE	Total/NA	Solid	7196A	841283
630-138167-18	SC-1 COMPOSITE (C1+C2)	Total/NA	Solid	7196A	841283
MB 410-841283/1-A	Method Blank	Total/NA	Solid	7196A	841283
LCS 410-841283/2-A	Lab Control Sample	Total/NA	Solid	7196A	841283
LCSI 410-841283/3-A	Lab Control Sample	Total/NA	Solid	7196A	841283

Prep Batch: 843801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-20	SC-2 COMPOSITE (C3+C7)	Total/NA	Solid	3060A	

EurofinsPhiladelphia

QC Association Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

General Chemistry (Continued)

Prep Batch: 843801 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-22	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Solid	3060A	
MB 410-843801/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 410-843801/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSI 410-843801/3-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 844189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-20	SC-2 COMPOSITE (C3+C7)	Total/NA	Solid	7196A	843801
630-138167-22	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Solid	7196A	843801
MB 410-843801/1-A	Method Blank	Total/NA	Solid	7196A	843801
LCS 410-843801/2-A	Lab Control Sample	Total/NA	Solid	7196A	843801
LCSI 410-843801/3-A	Lab Control Sample	Total/NA	Solid	7196A	843801

Geotechnical

Analysis Batch: 845776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-8	C-4 DISCRETE	Total/NA	Solid	D422	
630-138167-18	SC-1 COMPOSITE (C1+C2)	Total/NA	Solid	D422	
630-138167-20	SC-2 COMPOSITE (C3+C7)	Total/NA	Solid	D422	
630-138167-22	SC-3 COMPOSITE (C5+C6+C8)	Total/NA	Solid	D422	

Lab Chronicle

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

Client Sample ID: C-4 DISCRETE

Lab Sample ID: 630-138167-7

Date Collected: 06/10/26 12:34

Matrix: Sediment

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	PCB		1	515454	SAB	EET PIT	06/24/26 16:28
Total/NA	Analysis	2540G		1	515327	RSR	EET PIT	06/23/26 10:03

Client Sample ID: C-4 DISCRETE

Lab Sample ID: 630-138167-7

Date Collected: 06/10/26 12:34

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 51.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3541			515283	MKK	EET PIT	06/24/26 05:24
Total/NA	Analysis	EPA 8270E LL		1	515382	VVP	EET PIT	06/24/26 19:24
Total/NA	Prep	3541			515277	MKK	EET PIT	06/24/26 05:51
Total/NA	Analysis	EPA 8081B LL		5	515427	JMO	EET PIT	06/25/26 22:02
Total/NA	Prep	3541			515275	MKK	EET PIT	06/23/26 05:15
Total/NA	Analysis	EPA 8082A		1	515371	JMO	EET PIT	06/24/26 16:28
Total/NA	Prep	9010C			515349	RAO	EET PIT	06/23/26 13:35
Total/NA	Analysis	EPA 9014		1	515408	RAO	EET PIT	06/24/26 14:22
Total/NA	Analysis	EPA-Lloyd Kahn		1	515414	LWM	EET PIT	06/24/26 14:56

Client Sample ID: C-4 DISCRETE

Lab Sample ID: 630-138167-8

Date Collected: 06/10/26 12:34

Matrix: Solid

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G-2011		1	836736	M98K	ELLE	06/17/26 21:58 - 06/17/26 23:27 ¹
Total/NA	Analysis	7196A		1	836586	USJM	ELLE	06/17/26 06:27
Total/NA	Analysis	Moisture		1	836862	E5GC	ELLE	06/17/26 08:23
Total/NA	Analysis	D422		1	845776	UYB0	ELLE	06/26/26 20:33

Client Sample ID: C-4 DISCRETE

Lab Sample ID: 630-138167-8

Date Collected: 06/10/26 12:34

Matrix: Solid

Date Received: 06/16/26 09:49

Percent Solids: 49.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			837652	RFN5	ELLE	06/25/26 09:24
Total/NA	Analysis	6020B		2	842140	LHF4	ELLE	06/25/26 19:52
Total/NA	Prep	7471B			844638	VT6A	ELLE	07/01/26 12:40
Total/NA	Analysis	7471B		1	845296	LHF4	ELLE	07/01/26 18:21
Total/NA	Prep	3060A			841283	UDS7	ELLE	06/24/26 20:31
Total/NA	Analysis	7196A		5	842068	UDS7	ELLE	06/25/26 19:51

Lab Chronicle

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

Client Sample ID: SC-1 COMPOSITE (C1+C2)

Lab Sample ID: 630-138167-17

Date Collected: 06/16/26 11:10

Matrix: Sediment

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	PCB		1	515454	SAB	EET PIT	06/24/26 16:46
Total/NA	Analysis	2540G		1	515327	RSR	EET PIT	06/23/26 10:03

Client Sample ID: SC-1 COMPOSITE (C1+C2)

Lab Sample ID: 630-138167-17

Date Collected: 06/16/26 11:10

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 41.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3541			515283	MKK	EET PIT	06/24/26 05:24
Total/NA	Analysis	EPA 8270E LL		1	515382	VVP	EET PIT	06/24/26 19:45
Total/NA	Prep	3541			515277	MKK	EET PIT	06/24/26 05:51
Total/NA	Analysis	EPA 8081B LL		5	515427	JMO	EET PIT	06/25/26 22:21
Total/NA	Prep	3541			515275	MKK	EET PIT	06/23/26 05:15
Total/NA	Analysis	EPA 8082A		1	515371	JMO	EET PIT	06/24/26 16:46
Total/NA	Prep	9010C			515349	RAO	EET PIT	06/23/26 13:35
Total/NA	Analysis	EPA 9014		1	515408	RAO	EET PIT	06/24/26 14:25

Client Sample ID: SC-1 COMPOSITE (C1+C2)

Lab Sample ID: 630-138167-18

Date Collected: 06/16/26 11:10

Matrix: Solid

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G-2011		1	839296	M98K	ELLE	06/22/26 10:54 - 06/23/26 11:15 ¹
Total/NA	Analysis	7196A		1	836586	USJM	ELLE	06/17/26 06:27
Total/NA	Analysis	Moisture		1	836862	E5GC	ELLE	06/17/26 08:23
Total/NA	Analysis	D422		1	845776	UYB0	ELLE	06/26/26 20:33

Client Sample ID: SC-1 COMPOSITE (C1+C2)

Lab Sample ID: 630-138167-18

Date Collected: 06/16/26 11:10

Matrix: Solid

Date Received: 06/16/26 09:49

Percent Solids: 42.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			841978	RFN5	ELLE	06/29/26 09:31
Total/NA	Analysis	6020B		2	843836	LHF4	ELLE	06/29/26 21:05
Total/NA	Prep	7471B			844638	VT6A	ELLE	07/01/26 12:40
Total/NA	Analysis	7471B		1	845296	LHF4	ELLE	07/01/26 18:15
Total/NA	Prep	3060A			841283	UDS7	ELLE	06/24/26 20:31
Total/NA	Analysis	7196A		10	842068	UDS7	ELLE	06/25/26 19:51

Lab Chronicle

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

Client Sample ID: SC-2 COMPOSITE (C3+C7)

Lab Sample ID: 630-138167-19

Date Collected: 06/16/26 11:48

Matrix: Sediment

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	PCB		1	515454	SAB	EET PIT	06/24/26 17:05
Total/NA	Analysis	2540G		1	515327	RSR	EET PIT	06/23/26 10:03

Client Sample ID: SC-2 COMPOSITE (C3+C7)

Lab Sample ID: 630-138167-19

Date Collected: 06/16/26 11:48

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 45.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3541			515283	MKK	EET PIT	06/24/26 05:24
Total/NA	Analysis	EPA 8270E LL		1	515382	VVP	EET PIT	06/24/26 20:07
Total/NA	Prep	3541			515277	MKK	EET PIT	06/24/26 05:51
Total/NA	Analysis	EPA 8081B LL		5	515427	JMO	EET PIT	06/25/26 22:39
Total/NA	Prep	3541			515275	MKK	EET PIT	06/23/26 05:15
Total/NA	Analysis	EPA 8082A		1	515371	JMO	EET PIT	06/24/26 17:05
Total/NA	Prep	9010C			515349	RAO	EET PIT	06/23/26 13:35
Total/NA	Analysis	EPA 9014		1	515408	RAO	EET PIT	06/24/26 14:25

Client Sample ID: SC-2 COMPOSITE (C3+C7)

Lab Sample ID: 630-138167-20

Date Collected: 06/16/26 11:48

Matrix: Solid

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G-2011		1	839296	M98K	ELLE	06/22/26 10:54 - 06/23/26 11:15 ¹
Total/NA	Analysis	7196A		1	836586	USJM	ELLE	06/17/26 06:27
Total/NA	Analysis	Moisture		1	836862	E5GC	ELLE	06/17/26 08:23
Total/NA	Analysis	D422		1	845776	UYB0	ELLE	06/26/26 20:33

Client Sample ID: SC-2 COMPOSITE (C3+C7)

Lab Sample ID: 630-138167-20

Date Collected: 06/16/26 11:48

Matrix: Solid

Date Received: 06/16/26 09:49

Percent Solids: 44.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			841978	RFN5	ELLE	06/29/26 09:31
Total/NA	Analysis	6020B		2	843836	LHF4	ELLE	06/29/26 21:07
Total/NA	Prep	7471B			844638	VT6A	ELLE	07/01/26 12:40
Total/NA	Analysis	7471B		1	845296	LHF4	ELLE	07/01/26 18:17
Total/NA	Prep	3060A			843801	UDS7	ELLE	06/29/26 21:22
Total/NA	Analysis	7196A		20	844189	W2JF	ELLE	06/30/26 12:02

Lab Chronicle

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

Client Sample ID: SC-3 COMPOSITE (C5+C6+C8)

Lab Sample ID: 630-138167-21

Date Collected: 06/16/26 12:16

Matrix: Sediment

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	PCB		1	515454	SAB	EET PIT	06/24/26 17:24
Total/NA	Analysis	2540G		1	515327	RSR	EET PIT	06/23/26 10:03

Client Sample ID: SC-3 COMPOSITE (C5+C6+C8)

Lab Sample ID: 630-138167-21

Date Collected: 06/16/26 12:16

Matrix: Sediment

Date Received: 06/16/26 09:49

Percent Solids: 40.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3541			515283	MKK	EET PIT	06/24/26 05:24
Total/NA	Analysis	EPA 8270E LL		1	515382	VVP	EET PIT	06/24/26 20:29
Total/NA	Prep	3541			515277	MKK	EET PIT	06/24/26 05:51
Total/NA	Analysis	EPA 8081B LL		5	515427	JMO	EET PIT	06/25/26 22:57
Total/NA	Prep	3541			515275	MKK	EET PIT	06/23/26 05:15
Total/NA	Analysis	EPA 8082A		1	515371	JMO	EET PIT	06/24/26 17:24
Total/NA	Prep	9010C			515349	RAO	EET PIT	06/23/26 13:35
Total/NA	Analysis	EPA 9014		1	515408	RAO	EET PIT	06/24/26 14:26

Client Sample ID: SC-3 COMPOSITE (C5+C6+C8)

Lab Sample ID: 630-138167-22

Date Collected: 06/16/26 12:16

Matrix: Solid

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G-2011		1	839296	M98K	ELLE	06/22/26 10:54 - 06/23/26 11:15 ¹
Total/NA	Analysis	7196A		1	836586	USJM	ELLE	06/17/26 06:27
Total/NA	Analysis	Moisture		1	836862	E5GC	ELLE	06/17/26 08:23
Total/NA	Analysis	D422		1	845776	UYB0	ELLE	06/26/26 20:33

Client Sample ID: SC-3 COMPOSITE (C5+C6+C8)

Lab Sample ID: 630-138167-22

Date Collected: 06/16/26 12:16

Matrix: Solid

Date Received: 06/16/26 09:49

Percent Solids: 41.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			841978	RFN5	ELLE	06/29/26 09:31
Total/NA	Analysis	6020B		2	844243	F7JF	ELLE	06/30/26 12:48
Total/NA	Prep	3050B			841978	RFN5	ELLE	06/29/26 09:31
Total/NA	Analysis	6020B		2	843836	LHF4	ELLE	06/29/26 21:09
Total/NA	Prep	7471B			844638	VT6A	ELLE	07/01/26 12:40
Total/NA	Analysis	7471B		1	845296	LHF4	ELLE	07/01/26 18:19
Total/NA	Prep	3060A			843801	UDS7	ELLE	06/29/26 21:22
Total/NA	Analysis	7196A		20	844189	W2JF	ELLE	06/30/26 12:02

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

EurofinsPhiladelphia

Accreditation/Certification Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	PA011	06-30-27
The following analytes are included in this report, but the laboratory is not certified by New Jersey NELAP PA011. This list may include analytes for which the agency does not offer certification :			
Analysis Method	Prep Method	Matrix	Analyte
2540G-2011		Solid	Percent Moisture
2540G-2011		Solid	Percent Solids
7196A		Solid	Cr (III)
D422		Solid	0.075 mm (Sieve Size #200)
D422		Solid	0.15 mm (Sieve Size #100)
D422		Solid	0.18 mm (Sieve Size #80)
D422		Solid	0.25 mm (Sieve Size #60)
D422		Solid	0.425 mm (Sieve Size #40)
D422		Solid	0.85 mm (Sieve Size #20)
D422		Solid	1.4 um (Hydrometer Reading 7)
D422		Solid	13.4 um (Hydrometer Reading 3)
D422		Solid	19 mm (Sieve Size 0.75 inch)
D422		Solid	2 mm (Sieve Size #10)
D422		Solid	22.9 um (Hydrometer Reading 2)
D422		Solid	25 mm (Sieve Size 1 inch)
D422		Solid	3.3 um (Hydrometer Reading 6)
D422		Solid	36.1 um (Hydrometer Reading 1)
D422		Solid	37.5 mm (Sieve Size 1.5 inch)
D422		Solid	4.75 mm (Sieve Size #4)
D422		Solid	50 mm (Sieve Size 2 inch)
D422		Solid	6.7 um (Hydrometer Reading 5)
D422		Solid	9.5 mm (Sieve Size 0.375 inch)
D422		Solid	9.8 um (Hydrometer Reading 4)
D422		Solid	Clay
D422		Solid	Coarse Sand
D422		Solid	Fine Sand
D422		Solid	Gravel
D422		Solid	Medium Sand
D422		Solid	Sand
D422		Solid	Silt
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	PA005	06-30-26
The following analytes are included in this report, but the laboratory is not certified by New Jersey NELAP PA005. This list may include analytes for which the agency does not offer certification :			
Analysis Method	Prep Method	Matrix	Analyte
2540G		Sediment	Percent Moisture
2540G		Sediment	Percent Solids
EPA 8081B LL	3541	Sediment	Endosulfan, Total (1C)
EPA 8270E LL	3541	Sediment	3-Nitroaniline

Accreditation/Certification Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

Laboratory: Eurofins Pittsburgh (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by New Jersey NELAP PA005. This list may include analytes for which the agency does not offer certification :			
Analysis Method	Prep Method	Matrix	Analyte
EPA 8270E LL	3541	Sediment	Cresols, Total
PCB		Sediment	Polychlorinated biphenyls, Total

Method Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

Method	Method Description	Protocol	Laboratory
EPA 8270E LL	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8081B LL	Organochlorine Pesticides (GC)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) (GC)	SW846	EET PIT
PCB	Total PCB Calculation	TAL SOP	EET PIT
6020B	Metals (ICP/MS)	SW846	ELLE
7471B	Mercury (CVAA)	SW846	ELLE
2540G	SM 2540G	SM22	EET PIT
2540G-2011	Total, Fixed, and Volatile Solids	SM	ELLE
7196A	Chromium, Hexavalent	SW846	ELLE
7196A	Chromium, Trivalent (Colorimetric)	SW846	ELLE
EPA 9014	Cyanide	SW846	EET PIT
EPA-Lloyd Kahn	Organic Carbon, Total (TOC)	EPA	EET PIT
Moisture	Percent Moisture	EPA	ELLE
D422	Grain Size	ASTM	ELLE
3050B	Preparation, Metals	SW846	ELLE
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	ELLE
3541	Automated Soxhlet Extraction (Low Level)	SW846	EET PIT
7471B	Preparation, Mercury	SW846	ELLE
9010C	Cyanide, Distillation	SW846	EET PIT

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Composites,
Discrete

Job ID: 630-138167-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
630-138167-7	C-4 DISCRETE	Sediment	06/10/26 12:34	06/16/26 09:49	New Jersey
630-138167-8	C-4 DISCRETE	Solid	06/10/26 12:34	06/16/26 09:49	New Jersey
630-138167-17	SC-1 COMPOSITE (C1+C2)	Sediment	06/16/26 11:10	06/16/26 09:49	New Jersey
630-138167-18	SC-1 COMPOSITE (C1+C2)	Solid	06/16/26 11:10	06/16/26 09:49	New Jersey
630-138167-19	SC-2 COMPOSITE (C3+C7)	Sediment	06/16/26 11:48	06/16/26 09:49	New Jersey
630-138167-20	SC-2 COMPOSITE (C3+C7)	Solid	06/16/26 11:48	06/16/26 09:49	New Jersey
630-138167-21	SC-3 COMPOSITE (C5+C6+C8)	Sediment	06/16/26 12:16	06/16/26 09:49	New Jersey
630-138167-22	SC-3 COMPOSITE (C5+C6+C8)	Solid	06/16/26 12:16	06/16/26 09:49	New Jersey

63010512



**Drinking Water
and
Wastewater
Northeast, LLC**

795 Horsham Road
Horsham, PA 19044

Phone : 215-355-3900

CHAIN OF CUSTODY

Page 1 of 1

Lab



LAB 630-138167 Chain of Custody

MATRIX CODES

W: DRINKING WATER

GW: GROUND WATER

WW: WASTEWATER

SO: SOIL

SL: SLUDGE

OIL: OIL

SOL: NON SOIL SOLID

MI: MISCELLANEOUS

X: OTHER

___ Ascorbic/HCL Vials # ___ HCl Vials

___ Na₂S₂O₃

___ NaOH/Znacetate

2 HNO₃ 250 pl

___ H₂SO₄

2 NaOH 250 pl

___ Unpreserved 4-Amb qt, 10-250 Amb

___ HCl # ___ NH₄Cl # ___ MeOH

___ DI Water

ANALYSIS REQUESTED

Field pH, Temp (°C),
DO, C12, Cond, etc.

Grain Size, TOC, % Solids

8270, 8081, 8082, TAC Metals,
CN

Client/Acct. No. 900 Dudley Ave
Address

DRBA LEWES FERRY TERMINAL

City/State/Zip Cherry Hill, NJ, 08002
Phone/Fax

Client Contact: Claire Mueller

P.O. No.

PWSID#:

Quote#

e-mail:

PROJECT

Collection

Number of Containers

FIELD ID

Date

Military Time

GRA
B
C
O
M
P

Matrix
Code

Total

H
2
S
O
4

H
C
l

V
i
a
l
s

H
N
O
3

N
a
O
H

Z
n
A
c

U
N
P
R
E

B
A
C
T

L
A
B
U
S
E
O
N
L
Y

C-1

C-2

C-3

C-4

C-5

C-6

C-7

C-8

SW

FB

6/10

6/10

11:55

11:52

1:41

12:34

1:26

10:56

2:39

1:15

6/10

6/11

3:00

8:41

Report Format: ☐ Standard ☐ NJ-RDD ☐ SRP-RDD

☐ Standard + QC ☐ Forms ☐ EDD

Field Parameters Analyzed By:

Initials

Date/Time:

SAMPLED BY: (Name/Company)

S.T. Hudson Eng'g, Inc.
Claire Mueller

TAT: ☐ STANDARD (10 DAY)

or DUE DATE ___/___/___

Please call for pricing and availability for rush (<10 day) turnaround and for all but standard reporting format.

RELINQUISHED BY: SAMPLER

1. Claire Mueller

DATE

6/11

TIME

8:45

RECEIVED BY

1. [Signature]

DATE

6/11

TIME

08:46

DELIVERY: ☒ FEDEX COURIER ☐ CLIENT

☐ UPS ☐ FEDEX ☐ OTHER

Custody Seal Number

RELINQUISHED BY

2. [Signature]

DATE

6/11

TIME

17:23

RECEIVED BY

2. [Signature]

DATE

DATE

TIME

TIME

Rec'd Temp.: _____ Initials: _____ Ice Y / N Location: _____

COMMENTS:

RELINQUISHED BY

3. _____

DATE

DATE

TIME

TIME

RECEIVED BY

3. _____

DATE

DATE

TIME

TIME

RELINQUISHED BY

4. _____

DATE

DATE

TIME

TIME

RECEIVED BY

4. _____

DATE

DATE

TIME

TIME

RELINQUISHED BY

5. _____

DATE

DATE

TIME

TIME

RECEIVED BY

5. _____

DATE

DATE

TIME

TIME

Hazardous: yes / no

63010512



**Drinking Water
and
Wastewater
Northeast, LLC**

795 Horsham Road
Horsham, PA 19044

Phone : 215-355-3900

CHAIN OF CUSTODY

Page 2 of

Lab LIMS No:

Loc: 630

138167

MATRIX CODES

LAB USE ONLY:

Ascorbic/HCL .Cl Vials

Na₂S₂O₃

NaOH/Znacetate

HNO₃

H₂SO₄

NaOH

Unpreserved

HCl # NH₄Cl # MeOH

DI Water

DW: DRINKING WATER

GW: GROUND WATER

WW: WASTEWATER

SO: SOIL

SL: SLUDGE

OIL: OIL

SOL: NON SOIL SOLID

MI: MISCELLANEOUS

X: OTHER

ANALYSIS REQUESTED

Field pH, Temp (°C),
DO, C12, Cond, etc.

Client/Acct. No. ST HUDSON

Address

City/State/Zip

Phone/Fax

Client Contact:

DRBA LEWES FERRY TERMINAL

P.O. No.

PWSID#:

Quote#

e-mail:

PROJECT Comps / Elutriates

Collection

G
R
A
B

C
O
M
P

Matrix
Code

Number of Containers

Total

H
2
S
O
4

H
C
l

V
i
a
l
s

H
N
O
3

N
a
O
H

Z
n
A
c

U
N
P
R
E

B
A
C
T

FIELD ID

Date

Military
Time

SC-1 COMPOSITE (C1 + C2) 6/16/26 1110

SC-2 COMPOSITE (C3 + C7) 6/16/26 1143

SC-3 COMPOSITE (C5 + C6 + C8) 6/16/26 1216

C-4 - Discrete (see page 1) 6/10/26 1234

SC-1 COMPOSITE - ELUTRIATE 6/16/26 1110

SC-2 COMPOSITE - ELUTRIATE 6/16/26 1143

SC-3 COMPOSITE - ELUTRIATE 6/16/26 1216

C-4 DISCRETE - ELUTRIATE 6/10/26 1234

Grain Size, rcc, % Solids, P270,

P801, P802, TAL Metals, Cu,

Cr6, Cr3

Modified Elutriate - Total + Dissolved:

P270, P801, P802, Cu,

TAL Metals, Cr6, Cr3

SAMPLED BY: (Name/Company)

TAT : ☐ STANDARD (10 DAY)

or DUE DATE / /

Report Format: ☐ Standard ☐ NJ-RDD ☐ SRP-RDD

☐ Standard + QC ☐ Forms ☐ EDD

Field Parameters Analyzed By:

Initials

Date/Time:

Please call for pricing and availability for rush (<10 day) turnaround and for all but standard reporting format.

SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK, IE. 8AM IS 0800, 4 PM IS 1600)

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME	DELIVERY:	Custody Seal Number
1. SAMPLER			1.			☐ EETP COURIER ☐ CLIENT ☐ UPS ☐ FEDEX ☐ OTHER	
2.			2.			Rec'd Temp.: Initials: Ice Y / N Location:	
3.			3.			COMMENTS:	
4.			4.				
5.			5.				

Hazardous: yes / no

ORIGIN ID:SEGA (215) 355-3900

EUROFINS ENVIRON TESTING PHILA LLC
795 HORSHAM ROAD

HORSHAM, PA 19044
UNITED STATES US

SHIP DATE: 17JUN26
ACTWGT: 54.95 LB
CAD: 265788972/CAFE4004
DIMS: 24x16x14 IN

BILL SENDER

TO **SAMPLE RECEIVING**
EUROFINS PITTSBURGH
301 ALPHA DR

PITTSBURGH PA 15238

(412) 963-7058

REF:

DEPT:

INVT

PO:

Uncorrected temp
Thermometer ID

51.6 °C
28

CF -0.3

Initials

NR

PT-WL-SR-001 effective 7/26/13

FedEx
Express



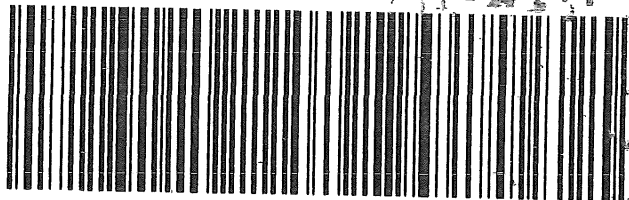
4261025121101W

THU - 18 JUN 10:30A
PRIORITY OVERNIGHT

TRK# 4881 3411 2669
0201

NP AGCA

15238
PA-US PIT



ORIGIN ID:SEGA (215) 355-3900

EUROFINS ENVIRON TESTING PHILA LLC
795 HORSHAM ROAD

HORSHAM, PA 19044
UNITED STATES US

SHIP DATE: 17JUN26

ACTWGT: 40.00 LB
CAD: 265788972/CAFE4004
DIMS: 18x16x13 IN

BILL SENDER

TO **SAMPLE RECEIVING**
EUROFINS PITTSBURGH
301 ALPHA DR

PITTSBURGH PA 15238

(412) 963-7058

REF:

DEPT:

INVT

PO:

Uncorrected temp
Thermometer ID

21.9 °C
28

CF -0.3

Initials

NR

PT-WL-SR-001 effective 7/26/13

FedEx
Express



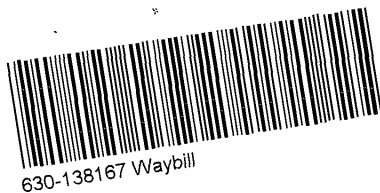
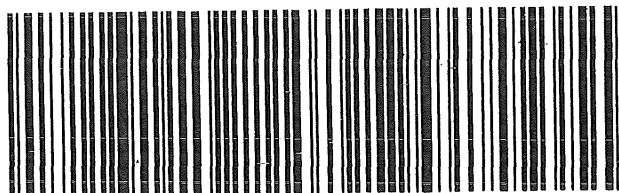
4261025121101W

THU - 18 JUN 10:30A
PRIORITY OVERNIGHT

TRK# 4881 3411 2658
0201

NP AGCA

15238
PA-US PIT



630-138167 Waybill

ORIGIN ID:SEGA (215) 355-3900
EUROFINS ENVIRON TESTING PHILA LLC
795 HORSHAM ROAD
HORSHAM, PA 19044
UNITED STATES US

SHIP DATE: 17JUN26
ACTWGT: 59.20 LB
CAD: 265788972/CAFE4004
DIMS: 25x14x13 IN
BILL SENDER

ORIGIN ID:SEGA (215) 355-3900
EUROFINS ENVIRON TESTING PHILA LLC
795 HORSHAM ROAD
HORSHAM, PA 19044
UNITED STATES US

SHIP DATE: 17JUN26
ACTWGT: 56.45 LB
CAD: 265788972/CAFE4004
DIMS: 25x14x13 IN
BILL SENDER

TO **SAMPLE RECEIVING**
EUROFINS PITTSBURGH
301 ALPHA DR

TO **SAMPLE RECEIVING**
EUROFINS PITTSBURGH
301 ALPHA DR

PITTSBURGH PA 15238

PITTSBURGH PA 15238

(412) 983-7058

REF:

DEPT:

(412) 983-7058

REF:

DEPT:

Uncorrected temp 21.1 °C
Thermometer ID 28
CF -0.3 Initials NR

PT-WI-SR-001 effective 7/26/13



Uncorrected temp 21.4 °C
Thermometer ID 28
CF -0.3 Initials NR

PT-WI-SR-001 effective 7/26/13



TRK# 4881 3411 2680
0201

THU - 18 JUN 10:30A
PRIORITY OVERNIGHT

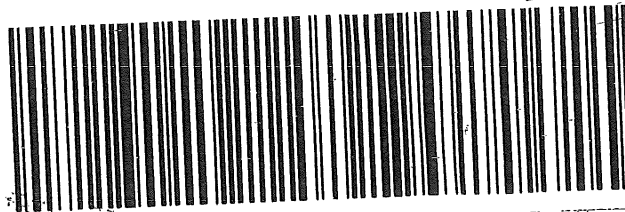
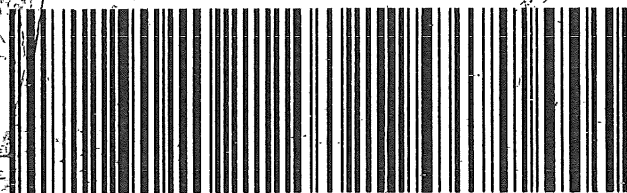
TRK# 4881 3411 2670
0201

THU - 18 JUN 10:30A
PRIORITY OVERNIGHT

NP AGCA

NP AGCA

15238
PA-US PIT



7/6/2026

7/6/2026

Chain of Custody Record

[illegible]

Login Sample Receipt Checklist

Client: ST Hudson Engineers

Job Number: 630-138167-2

Login Number: 138167

List Source: EurofinsPhiladelphia

List Number: 1

Creator: Kurz, Chris

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

EurofinsPhiladelphia

Login Sample Receipt Checklist

Client: ST Hudson Engineers

Job Number: 630-138167-2

Login Number: 138167

List Number: 2

Creator: Cyms, Carolyn M

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 06/16/26 03:06 AM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: ST Hudson Engineers

Job Number: 630-138167-2

Login Number: 138167

List Number: 4

Creator: Williams, Peter

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 06/26/26 10:20 AM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

EurofinsPhiladelphia

Login Sample Receipt Checklist

Client: ST Hudson Engineers

Job Number: 630-138167-2

Login Number: 138167

List Number: 3

Creator: Rucker, Keenyn J

List Source: Eurofins Pittsburgh

List Creation: 06/18/26 01:15 PM

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

ANALYTICAL REPORT

PREPARED FOR

Attn: Paul Ferry
ST Hudson Engineers
900 Dudley Avenue
Cherry Hill, New Jersey 08002

Generated 7/9/2026 10:36:37 AM

JOB DESCRIPTION

DRBA Lewes Ferry Terminal - Elutriate - Total

JOB NUMBER

630-138167-3

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Drinking Water and Wastewater Northeast, LLC Project Manager.

Authorization



Generated
7/9/2026 10:36:37 AM

Authorized for release by
Erin Dougherty, Project Administrator
Erin.Dougherty@et.eurofinsus.com
(215)355-3900

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Definitions/Glossary

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

EurofinsPhiladelphia

Definitions/Glossary

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Case Narrative

Client: ST Hudson Engineers
Project: DRBA Lewes Ferry Terminal - Elutriate - Total

Job ID: 630-138167-3

Job ID: 630-138167-3

EurofinsPhiladelphia

Job Narrative 630-138167-3

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 6/16/2026 9:49 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

GC/MS Semi VOA

Method EPA 8270E LL: The continuing calibration verification (CCV) analyzed in 180-515605 was outside the method criteria for the following analyte(s): Bis(2-chloroethyl)ether, Isophorone and Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

PCBs

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

Pesticides

Method EPA 8081B LL: The laboratory control sample duplicate (LCSD) for preparation batch 180-515476 and analytical batch 180-515650 recovered outside control limits for the following analytes: methoxychlor. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method EPA 8081B LL: The continuing calibration verification (CCV) associated with 180-515650 recovered low and outside the control limits for toxaphene on one column. Results are confirmed on both columns and hits were reported from the passing column. The associated sample is: (CCV 180-515650/2).

Method EPA 8081B LL: The continuing calibration verification (CCV) associated with batch 180-515650 recovered above the upper control limit for methoxychlor. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

Metals

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

General Chemistry

Method EPA 7196A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 180-515469 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

EurofinsPhiladelphia

Detection Summary

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Client Sample ID: SC-1 COMPOSITE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	6.8	J	10	2.1	ug/L	1		EPA 8270E LL	Total/NA
Butyl benzyl phthalate	1.5	J	2.0	0.94	ug/L	1		EPA 8270E LL	Total/NA
Caprolactam	2.9	J	5.0	0.68	ug/L	1		EPA 8270E LL	Total/NA
Di-n-butyl phthalate	1.2		1.0	0.38	ug/L	1		EPA 8270E LL	Total/NA
Diethyl phthalate	0.34	J	1.0	0.25	ug/L	1		EPA 8270E LL	Total/NA
alpha-BHC (1C)	0.0025		0.0013	0.00023	ug/L	1		EPA 8081B LL	Total/NA
Aluminum	890		25	12	ug/L	1		6020B	Total
									Recoverable
Antimony	1.1		1.0	0.20	ug/L	1		6020B	Total
									Recoverable
Arsenic	11		2.0	0.68	ug/L	1		6020B	Total
									Recoverable
Barium	30		2.0	0.75	ug/L	1		6020B	Total
									Recoverable
Calcium	360000		100	50	ug/L	1		6020B	Total
									Recoverable
Chromium	1.9	J	2.0	0.55	ug/L	1		6020B	Total
									Recoverable
Cobalt	0.42	J	0.50	0.16	ug/L	1		6020B	Total
									Recoverable
Iron	1600		50	20	ug/L	1		6020B	Total
									Recoverable
Lead	1.3		0.50	0.12	ug/L	1		6020B	Total
									Recoverable
Magnesium	1200000		50	16	ug/L	1		6020B	Total
									Recoverable
Manganese	1500		2.0	1.2	ug/L	1		6020B	Total
									Recoverable
Nickel	1.6		1.0	0.40	ug/L	1		6020B	Total
									Recoverable
Potassium	410000		200	65	ug/L	1		6020B	Total
									Recoverable
Selenium	0.30	J	1.0	0.28	ug/L	1		6020B	Total
									Recoverable
Sodium	9800000		200	90	ug/L	1		6020B	Total
									Recoverable
Zinc	4.8	J	10	4.0	ug/L	1		6020B	Total
									Recoverable
Vanadium	5.8		4.0	0.79	ug/L	1		6020B	Total
									Recoverable

Client Sample ID: SC-2 COMPOSITE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	4.4	J	10	2.1	ug/L	1		EPA 8270E LL	Total/NA
Caprolactam	1.3	J	5.0	0.68	ug/L	1		EPA 8270E LL	Total/NA
Di-n-butyl phthalate	0.39	J	1.0	0.38	ug/L	1		EPA 8270E LL	Total/NA
alpha-BHC (2C)	0.0034		0.0013	0.00023	ug/L	1		EPA 8081B LL	Total/NA
4,4'-DDE (2C)	0.0010	J	0.0013	0.00069	ug/L	1		EPA 8081B LL	Total/NA
4,4'-DDT (2C)	0.0084	*+	0.0013	0.00066	ug/L	1		EPA 8081B LL	Total/NA
Aluminum	4900		25	12	ug/L	1		6020B	Total
									Recoverable
Antimony	2.1		1.0	0.20	ug/L	1		6020B	Total
									Recoverable
Arsenic	15		2.0	0.68	ug/L	1		6020B	Total
									Recoverable

This Detection Summary does not include radiochemical test results.

EurofinsPhiladelphia

Detection Summary

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Client Sample ID: SC-2 COMPOSITE ELUTRIATE TOTAL
(Continued)

Lab Sample ID: 630-138167-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	43		2.0	0.75	ug/L	1		6020B	Total Recoverable
Beryllium	0.22	J	0.50	0.12	ug/L	1		6020B	Total Recoverable
Cadmium	0.22	J	0.50	0.15	ug/L	1		6020B	Total Recoverable
Calcium	380000		100	50	ug/L	1		6020B	Total Recoverable
Chromium	11		2.0	0.55	ug/L	1		6020B	Total Recoverable
Cobalt	1.7		0.50	0.16	ug/L	1		6020B	Total Recoverable
Copper	4.1		1.0	0.85	ug/L	1		6020B	Total Recoverable
Iron	6500		50	20	ug/L	1		6020B	Total Recoverable
Lead	8.5		0.50	0.12	ug/L	1		6020B	Total Recoverable
Magnesium	1200000		50	16	ug/L	1		6020B	Total Recoverable
Manganese	1400		2.0	1.2	ug/L	1		6020B	Total Recoverable
Nickel	4.9		1.0	0.40	ug/L	1		6020B	Total Recoverable
Potassium	410000		200	65	ug/L	1		6020B	Total Recoverable
Selenium	0.49	J	1.0	0.28	ug/L	1		6020B	Total Recoverable
Sodium	9900000		200	90	ug/L	1		6020B	Total Recoverable
Zinc	38		10	4.0	ug/L	1		6020B	Total Recoverable
Vanadium	24		4.0	0.79	ug/L	1		6020B	Total Recoverable
Cr (III)	11		10	3.2	ug/L	1		7196A	Total/NA

Client Sample ID: SC-3 COMPOSITE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.070	J	0.19	0.065	ug/L	1		EPA 8270E LL	Total/NA
Bis(2-ethylhexyl) phthalate	4.2	J	10	2.1	ug/L	1		EPA 8270E LL	Total/NA
Butyl benzyl phthalate	1.5	J	2.0	0.94	ug/L	1		EPA 8270E LL	Total/NA
Caprolactam	3.2	J	5.0	0.68	ug/L	1		EPA 8270E LL	Total/NA
Di-n-butyl phthalate	1.5		1.0	0.38	ug/L	1		EPA 8270E LL	Total/NA
Diethyl phthalate	0.40	J	1.0	0.25	ug/L	1		EPA 8270E LL	Total/NA
Dimethyl phthalate	0.38	J	2.0	0.20	ug/L	1		EPA 8270E LL	Total/NA
alpha-BHC (1C)	0.0023		0.0012	0.00023	ug/L	1		EPA 8081B LL	Total/NA
Heptachlor (1C)	0.00055	J p	0.0012	0.00043	ug/L	1		EPA 8081B LL	Total/NA
PCB-1260 (2C)	0.059	B	0.0095	0.0037	ug/L	1		EPA 8082A	Total/NA
Polychlorinated biphenyls, Total	0.059		0.0095	0.0076	ug/L	1		PCB	Total/NA
Aluminum	960		25	12	ug/L	1		6020B	Total Recoverable
Antimony	1.4		1.0	0.20	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

EurofinsPhiladelphia

Detection Summary

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Client Sample ID: SC-3 COMPOSITE ELUTRIATE TOTAL
(Continued)

Lab Sample ID: 630-138167-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.4		2.0	0.68	ug/L	1		6020B	Total
Barium	24		2.0	0.75	ug/L	1		6020B	Recoverable
Calcium	320000		10000	5000	ug/L	100		6020B	Total
Chromium	2.4		2.0	0.55	ug/L	1		6020B	Recoverable
Cobalt	0.47	J	0.50	0.16	ug/L	1		6020B	Total
Copper	1.2		1.0	0.85	ug/L	1		6020B	Recoverable
Iron	1400		50	20	ug/L	1		6020B	Total
Lead	1.8		0.50	0.12	ug/L	1		6020B	Recoverable
Magnesium	1000000		5000	1600	ug/L	100		6020B	Total
Manganese	1000		2.0	1.2	ug/L	1		6020B	Recoverable
Nickel	1.6		1.0	0.40	ug/L	1		6020B	Total
Potassium	340000		20000	6500	ug/L	100		6020B	Recoverable
Selenium	0.35	J	1.0	0.28	ug/L	1		6020B	Total
Sodium	8300000		20000	9000	ug/L	100		6020B	Recoverable
Zinc	6.3	J	10	4.0	ug/L	1		6020B	Total
Vanadium	6.1		4.0	0.79	ug/L	1		6020B	Recoverable

Client Sample ID: C-4 DISCRETE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	2.4	J	10	2.1	ug/L	1		EPA 8270E LL	Total/NA
Butyl benzyl phthalate	1.6	J	2.0	0.94	ug/L	1		EPA 8270E LL	Total/NA
Caprolactam	2.7	J	5.0	0.68	ug/L	1		EPA 8270E LL	Total/NA
Di-n-butyl phthalate	1.4		1.0	0.38	ug/L	1		EPA 8270E LL	Total/NA
Diethyl phthalate	0.44	J	1.0	0.25	ug/L	1		EPA 8270E LL	Total/NA
alpha-BHC (2C)	0.0020		0.0012	0.00023	ug/L	1		EPA 8081B LL	Total/NA
Aluminum	520		25	12	ug/L	1		6020B	Total
Antimony	0.85	J	1.0	0.20	ug/L	1		6020B	Recoverable
Arsenic	3.0		2.0	0.68	ug/L	1		6020B	Total
Barium	18		2.0	0.75	ug/L	1		6020B	Recoverable
Calcium	380000		100	50	ug/L	1		6020B	Total
Chromium	1.1	J	2.0	0.55	ug/L	1		6020B	Recoverable
Iron	410		50	20	ug/L	1		6020B	Total

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Client Sample ID: C-4 DISCRETE ELUTRIATE TOTAL
(Continued)

Lab Sample ID: 630-138167-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.70		0.50	0.12	ug/L	1		6020B	Total Recoverable
Magnesium	1200000		50	16	ug/L	1		6020B	Total Recoverable
Manganese	160		2.0	1.2	ug/L	1		6020B	Total Recoverable
Nickel	0.81	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Potassium	410000		200	65	ug/L	1		6020B	Total Recoverable
Selenium	0.32	J	1.0	0.28	ug/L	1		6020B	Total Recoverable
Sodium	10000000		200	90	ug/L	1		6020B	Total Recoverable
Vanadium	5.4		4.0	0.79	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Client Sample ID: SC-1 COMPOSITE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-24

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.0	U	1.0	0.14	ug/L		06/25/26 22:18	06/30/26 19:54	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L		06/25/26 22:18	06/30/26 19:54	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0	0.15	ug/L		06/25/26 22:18	06/30/26 19:54	1
1,3-Dichlorobenzene	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 19:54	1
1,4-Dichlorobenzene	1.0	U	1.0	0.24	ug/L		06/25/26 22:18	06/30/26 19:54	1
1,4-Dioxane	2.0	U	2.0	0.63	ug/L		06/25/26 22:18	06/30/26 19:54	1
1,2-Diphenylhydrazine(as Azobenzene)	1.0	U	1.0	0.20	ug/L		06/25/26 22:18	06/30/26 19:54	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.24	ug/L		06/25/26 22:18	06/30/26 19:54	1
2-Chloronaphthalene	0.19	U	0.19	0.059	ug/L		06/25/26 22:18	06/30/26 19:54	1
2-Chlorophenol	1.0	U	1.0	0.23	ug/L		06/25/26 22:18	06/30/26 19:54	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0	0.33	ug/L		06/25/26 22:18	06/30/26 19:54	1
2,4-Dichlorophenol	0.19	U	0.19	0.051	ug/L		06/25/26 22:18	06/30/26 19:54	1
2,4-Dimethylphenol	1.0	U	1.0	0.59	ug/L		06/25/26 22:18	06/30/26 19:54	1
2,4-Dinitrophenol	10	U	10	3.3	ug/L		06/25/26 22:18	06/30/26 19:54	1
2,4-Dinitrotoluene	1.0	U	1.0	0.35	ug/L		06/25/26 22:18	06/30/26 19:54	1
2,6-Dinitrotoluene	1.0	U	1.0	0.17	ug/L		06/25/26 22:18	06/30/26 19:54	1
2-Methylnaphthalene	0.19	U	0.19	0.062	ug/L		06/25/26 22:18	06/30/26 19:54	1
2-Methylphenol	1.0	U	1.0	0.56	ug/L		06/25/26 22:18	06/30/26 19:54	1
Methylphenol, 3 & 4	1.0	U	1.0	0.37	ug/L		06/25/26 22:18	06/30/26 19:54	1
2-Nitroaniline	5.0	U	5.0	0.55	ug/L		06/25/26 22:18	06/30/26 19:54	1
3-Nitroaniline	5.0	U	5.0	0.44	ug/L		06/25/26 22:18	06/30/26 19:54	1
4-Nitroaniline	5.0	U	5.0	0.36	ug/L		06/25/26 22:18	06/30/26 19:54	1
2-Nitrophenol	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 19:54	1
4-Nitrophenol	5.0	U	5.0	0.94	ug/L		06/25/26 22:18	06/30/26 19:54	1
2,2'-oxybis[1-chloropropane]	0.19	U	0.19	0.12	ug/L		06/25/26 22:18	06/30/26 19:54	1
2,4,5-Trichlorophenol	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 19:54	1
2,4,6-Trichlorophenol	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 19:54	1
4-Chloro-3-methylphenol	1.0	U	1.0	0.44	ug/L		06/25/26 22:18	06/30/26 19:54	1
4-Chlorophenyl phenyl ether	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 19:54	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0	1.5	ug/L		06/25/26 22:18	06/30/26 19:54	1
Cresols, Total	2.0	U	2.0	0.77	ug/L		06/25/26 22:18	06/30/26 19:54	1
Acenaphthene	0.19	U	0.19	0.065	ug/L		06/25/26 22:18	06/30/26 19:54	1
Acenaphthylene	0.19	U	0.19	0.065	ug/L		06/25/26 22:18	06/30/26 19:54	1
Acetophenone	1.0	U	1.0	0.16	ug/L		06/25/26 22:18	06/30/26 19:54	1
Aniline	1.0	U	1.0	0.37	ug/L		06/25/26 22:18	06/30/26 19:54	1
Anthracene	0.19	U	0.19	0.049	ug/L		06/25/26 22:18	06/30/26 19:54	1
Atrazine	1.0	U	1.0	0.30	ug/L		06/25/26 22:18	06/30/26 19:54	1
Benzaldehyde	1.0	U	1.0	0.54	ug/L		06/25/26 22:18	06/30/26 19:54	1
Benzidine	20	U	20	9.1	ug/L		06/25/26 22:18	06/30/26 19:54	1
Benzo[a]anthracene	0.19	U	0.19	0.075	ug/L		06/25/26 22:18	06/30/26 19:54	1
Benzo[b]fluoranthene	0.19	U	0.19	0.097	ug/L		06/25/26 22:18	06/30/26 19:54	1
Benzo[k]fluoranthene	0.19	U	0.19	0.088	ug/L		06/25/26 22:18	06/30/26 19:54	1
Benzoic acid	5.0	U	5.0	2.5	ug/L		06/25/26 22:18	06/30/26 19:54	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.069	ug/L		06/25/26 22:18	06/30/26 19:54	1
Benzo[a]pyrene	0.19	U	0.19	0.13	ug/L		06/25/26 22:18	06/30/26 19:54	1
Bis(2-chloroethoxy)methane	1.0	U	1.0	0.15	ug/L		06/25/26 22:18	06/30/26 19:54	1
Bis(2-chloroethyl)ether	0.19	U	0.19	0.14	ug/L		06/25/26 22:18	06/30/26 19:54	1
Bis(2-ethylhexyl) phthalate	6.8	J	10	2.1	ug/L		06/25/26 22:18	06/30/26 19:54	1
4-Bromophenyl phenyl ether	1.0	U	1.0	0.32	ug/L		06/25/26 22:18	06/30/26 19:54	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Client Sample ID: SC-1 COMPOSITE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-24

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	1.5	J	2.0	0.94	ug/L		06/25/26 22:18	06/30/26 19:54	1
Caprolactam	2.9	J	5.0	0.68	ug/L		06/25/26 22:18	06/30/26 19:54	1
Carbazole	0.19	U	0.19	0.051	ug/L		06/25/26 22:18	06/30/26 19:54	1
4-Chloroaniline	1.0	U	1.0	0.38	ug/L		06/25/26 22:18	06/30/26 19:54	1
Chrysene	0.19	U	0.19	0.081	ug/L		06/25/26 22:18	06/30/26 19:54	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.072	ug/L		06/25/26 22:18	06/30/26 19:54	1
Dibenzofuran	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 19:54	1
Di-n-butyl phthalate	1.2		1.0	0.38	ug/L		06/25/26 22:18	06/30/26 19:54	1
Di-n-octyl phthalate	1.0	U	1.0	0.69	ug/L		06/25/26 22:18	06/30/26 19:54	1
Diethyl phthalate	0.34	J	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 19:54	1
Dimethyl phthalate	2.0	U	2.0	0.20	ug/L		06/25/26 22:18	06/30/26 19:54	1
Fluoranthene	0.19	U	0.19	0.060	ug/L		06/25/26 22:18	06/30/26 19:54	1
Fluorene	0.19	U	0.19	0.069	ug/L		06/25/26 22:18	06/30/26 19:54	1
Hexachlorobenzene	0.19	U	0.19	0.056	ug/L		06/25/26 22:18	06/30/26 19:54	1
Hexachlorobutadiene	0.19	U	0.19	0.16	ug/L		06/25/26 22:18	06/30/26 19:54	1
Hexachlorocyclopentadiene	1.0	U	1.0	0.50	ug/L		06/25/26 22:18	06/30/26 19:54	1
Hexachloroethane	1.0	U	1.0	0.32	ug/L		06/25/26 22:18	06/30/26 19:54	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.085	ug/L		06/25/26 22:18	06/30/26 19:54	1
Isophorone	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 19:54	1
Naphthalene	0.19	U	0.19	0.059	ug/L		06/25/26 22:18	06/30/26 19:54	1
Nitrobenzene	2.0	U	2.0	0.50	ug/L		06/25/26 22:18	06/30/26 19:54	1
N-Nitrosodimethylamine	1.0	U	1.0	0.26	ug/L		06/25/26 22:18	06/30/26 19:54	1
N-Nitrosodiphenylamine	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 19:54	1
N-Nitrosodi-n-propylamine	0.19	U	0.19	0.071	ug/L		06/25/26 22:18	06/30/26 19:54	1
Pentachlorophenol	5.0	U	5.0	0.85	ug/L		06/25/26 22:18	06/30/26 19:54	1
Phenanthrene	0.19	U	0.19	0.16	ug/L		06/25/26 22:18	06/30/26 19:54	1
Phenol	1.0	U	1.0	0.49	ug/L		06/25/26 22:18	06/30/26 19:54	1
Pyrene	0.19	U	0.19	0.11	ug/L		06/25/26 22:18	06/30/26 19:54	1
Pyridine	2.0	U	2.0	1.1	ug/L		06/25/26 22:18	06/30/26 19:54	1
Benzyl alcohol	5.0	U	5.0	1.7	ug/L		06/25/26 22:18	06/30/26 19:54	1
3,3'-Dichlorobenzidine	1.0	U	1.0	0.58	ug/L		06/25/26 22:18	06/30/26 19:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	71		27 - 105	06/25/26 22:18	06/30/26 19:54	1
2-Fluorophenol (Surr)	76		16 - 111	06/25/26 22:18	06/30/26 19:54	1
2,4,6-Tribromophenol (Surr)	85		18 - 128	06/25/26 22:18	06/30/26 19:54	1
Nitrobenzene-d5 (Surr)	75		22 - 113	06/25/26 22:18	06/30/26 19:54	1
Phenol-d5 (Surr)	82		27 - 105	06/25/26 22:18	06/30/26 19:54	1
Terphenyl-d14 (Surr)	72		24 - 128	06/25/26 22:18	06/30/26 19:54	1

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	0.0013	U	0.0013	0.00034	ug/L		06/25/26 22:07	07/01/26 09:54	1
alpha-BHC (1C)	0.0025		0.0013	0.00023	ug/L		06/25/26 22:07	07/01/26 09:54	1
beta-BHC (1C)	0.0013	U	0.0013	0.00035	ug/L		06/25/26 22:07	07/01/26 09:54	1
delta-BHC (1C)	0.0013	U	0.0013	0.00062	ug/L		06/25/26 22:07	07/01/26 09:54	1
gamma-BHC (Lindane) (1C)	0.0013	U	0.0013	0.00028	ug/L		06/25/26 22:07	07/01/26 09:54	1
cis-Chlordane (1C)	0.0013	U	0.0013	0.00035	ug/L		06/25/26 22:07	07/01/26 09:54	1
trans-Chlordane (1C)	0.0013	U	0.0013	0.00090	ug/L		06/25/26 22:07	07/01/26 09:54	1
Chlordane (technical) (1C)	0.012	U	0.012	0.0070	ug/L		06/25/26 22:07	07/01/26 09:54	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Job ID: 630-138167-3

Client Sample ID: SC-1 COMPOSITE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-24

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD (1C)	0.0013	U	0.0013	0.00051	ug/L		06/25/26 22:07	07/01/26 09:54	1
4,4'-DDE (1C)	0.0013	U	0.0013	0.00069	ug/L		06/25/26 22:07	07/01/26 09:54	1
4,4'-DDT (1C)	0.0013	U	0.0013	0.00066	ug/L		06/25/26 22:07	07/01/26 09:54	1
Dieldrin (1C)	0.0013	U	0.0013	0.00026	ug/L		06/25/26 22:07	07/01/26 09:54	1
Endosulfan I (1C)	0.0013	U	0.0013	0.00066	ug/L		06/25/26 22:07	07/01/26 09:54	1
Endosulfan II (1C)	0.0013	U	0.0013	0.00090	ug/L		06/25/26 22:07	07/01/26 09:54	1
Endosulfan sulfate (1C)	0.0013	U	0.0013	0.00061	ug/L		06/25/26 22:07	07/01/26 09:54	1
Endrin (1C)	0.0013	U	0.0013	0.00022	ug/L		06/25/26 22:07	07/01/26 09:54	1
Endrin aldehyde (1C)	0.0013	U	0.0013	0.00050	ug/L		06/25/26 22:07	07/01/26 09:54	1
Endrin ketone (1C)	0.0013	U	0.0013	0.00096	ug/L		06/25/26 22:07	07/01/26 09:54	1
Heptachlor (1C)	0.0013	U	0.0013	0.00043	ug/L		06/25/26 22:07	07/01/26 09:54	1
Heptachlor epoxide (1C)	0.0013	U	0.0013	0.00033	ug/L		06/25/26 22:07	07/01/26 09:54	1
Methoxychlor (1C)	0.0013	U *	0.0013	0.00075	ug/L		06/25/26 22:07	07/01/26 09:54	1
Mirex (1C)	0.0013	U	0.0013	0.00045	ug/L		06/25/26 22:07	07/01/26 09:54	1
Toxaphene (1C)	0.096	U	0.096	0.047	ug/L		06/25/26 22:07	07/01/26 09:54	1
Endosulfan, Total (1C)	0.0025	U	0.0025	0.00096	ug/L		06/25/26 22:07	07/01/26 09:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr) (1C)	85		11 - 150	06/25/26 22:07	07/01/26 09:54	1
Tetrachloro-m-xylene (Surr) (2C)	85		11 - 150	06/25/26 22:07	07/01/26 09:54	1
DCB Decachlorobiphenyl (Surr) (1C)	80		17 - 142	06/25/26 22:07	07/01/26 09:54	1
DCB Decachlorobiphenyl (Surr) (2C)	80		17 - 142	06/25/26 22:07	07/01/26 09:54	1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	0.0096	U	0.0096	0.0046	ug/L		06/25/26 22:07	07/01/26 09:44	1
PCB-1221 (1C)	0.0096	U	0.0096	0.0055	ug/L		06/25/26 22:07	07/01/26 09:44	1
PCB-1232 (1C)	0.0096	U	0.0096	0.0050	ug/L		06/25/26 22:07	07/01/26 09:44	1
PCB-1242 (1C)	0.0096	U	0.0096	0.0034	ug/L		06/25/26 22:07	07/01/26 09:44	1
PCB-1248 (1C)	0.0096	U	0.0096	0.0077	ug/L		06/25/26 22:07	07/01/26 09:44	1
PCB-1254 (1C)	0.0096	U	0.0096	0.0044	ug/L		06/25/26 22:07	07/01/26 09:44	1
PCB-1260 (1C)	0.0096	U	0.0096	0.0038	ug/L		06/25/26 22:07	07/01/26 09:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	82		23 - 133	06/25/26 22:07	07/01/26 09:44	1
DCB Decachlorobiphenyl (Surr) (2C)	81		23 - 133	06/25/26 22:07	07/01/26 09:44	1
Tetrachloro-m-xylene (Surr) (1C)	49		20 - 133	06/25/26 22:07	07/01/26 09:44	1
Tetrachloro-m-xylene (Surr) (2C)	48		20 - 133	06/25/26 22:07	07/01/26 09:44	1

Method: TAL SOP PCB - Total PCB Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.0096	U	0.0096	0.0077	ug/L			07/01/26 09:44	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	890		25	12	ug/L		07/06/26 09:38	07/06/26 19:04	1
Antimony	1.1		1.0	0.20	ug/L		07/06/26 09:38	07/06/26 19:04	1
Arsenic	11		2.0	0.68	ug/L		07/06/26 09:38	07/06/26 19:04	1
Barium	30		2.0	0.75	ug/L		07/06/26 09:38	07/06/26 19:04	1
Beryllium	0.50	U	0.50	0.12	ug/L		07/06/26 09:38	07/06/26 19:04	1
Cadmium	0.50	U	0.50	0.15	ug/L		07/06/26 09:38	07/06/26 19:04	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Client Sample ID: SC-1 COMPOSITE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-24

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	360000		100	50	ug/L		07/06/26 09:38	07/06/26 19:04	1
Chromium	1.9	J	2.0	0.55	ug/L		07/06/26 09:38	07/06/26 19:04	1
Cobalt	0.42	J	0.50	0.16	ug/L		07/06/26 09:38	07/06/26 19:04	1
Copper	1.0	U	1.0	0.85	ug/L		07/06/26 09:38	07/06/26 19:04	1
Iron	1600		50	20	ug/L		07/06/26 09:38	07/06/26 19:04	1
Lead	1.3		0.50	0.12	ug/L		07/06/26 09:38	07/06/26 19:04	1
Magnesium	1200000		50	16	ug/L		07/06/26 09:38	07/06/26 19:04	1
Manganese	1500		2.0	1.2	ug/L		07/06/26 09:38	07/06/26 19:04	1
Nickel	1.6		1.0	0.40	ug/L		07/06/26 09:38	07/06/26 19:04	1
Potassium	410000		200	65	ug/L		07/06/26 09:38	07/06/26 19:04	1
Selenium	0.30	J	1.0	0.28	ug/L		07/06/26 09:38	07/06/26 19:04	1
Silver	0.50	U	0.50	0.10	ug/L		07/06/26 09:38	07/06/26 19:04	1
Sodium	9800000		200	90	ug/L		07/06/26 09:38	07/06/26 19:04	1
Thallium	0.50	U	0.50	0.13	ug/L		07/06/26 09:38	07/06/26 19:04	1
Zinc	4.8	J	10	4.0	ug/L		07/06/26 09:38	07/06/26 19:04	1
Vanadium	5.8		4.0	0.79	ug/L		07/06/26 09:38	07/06/26 19:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.087	ug/L		06/30/26 17:28	06/30/26 23:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10	U	10	3.2	ug/L			07/09/26 23:21	1
Cr (VI) (SW846 EPA 7196A)	10	U F1	10	6.0	ug/L			06/25/26 16:39	1
Cyanide, Total (SW846 EPA 9014)	10	U	10	8.0	ug/L		06/26/26 14:36	06/27/26 13:10	1

Client Sample ID: SC-2 COMPOSITE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-26

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.0	U	1.0	0.14	ug/L		06/25/26 22:18	06/30/26 20:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L		06/25/26 22:18	06/30/26 20:17	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0	0.15	ug/L		06/25/26 22:18	06/30/26 20:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 20:17	1
1,4-Dichlorobenzene	1.0	U	1.0	0.24	ug/L		06/25/26 22:18	06/30/26 20:17	1
1,4-Dioxane	2.0	U	2.0	0.63	ug/L		06/25/26 22:18	06/30/26 20:17	1
1,2-Diphenylhydrazine(as Azobenzene)	1.0	U	1.0	0.20	ug/L		06/25/26 22:18	06/30/26 20:17	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.24	ug/L		06/25/26 22:18	06/30/26 20:17	1
2-Chloronaphthalene	0.19	U	0.19	0.059	ug/L		06/25/26 22:18	06/30/26 20:17	1
2-Chlorophenol	1.0	U	1.0	0.23	ug/L		06/25/26 22:18	06/30/26 20:17	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0	0.33	ug/L		06/25/26 22:18	06/30/26 20:17	1
2,4-Dichlorophenol	0.19	U	0.19	0.051	ug/L		06/25/26 22:18	06/30/26 20:17	1
2,4-Dimethylphenol	1.0	U	1.0	0.59	ug/L		06/25/26 22:18	06/30/26 20:17	1
2,4-Dinitrophenol	10	U	10	3.3	ug/L		06/25/26 22:18	06/30/26 20:17	1
2,4-Dinitrotoluene	1.0	U	1.0	0.35	ug/L		06/25/26 22:18	06/30/26 20:17	1
2,6-Dinitrotoluene	1.0	U	1.0	0.17	ug/L		06/25/26 22:18	06/30/26 20:17	1
2-Methylnaphthalene	0.19	U	0.19	0.062	ug/L		06/25/26 22:18	06/30/26 20:17	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Client Sample ID: SC-2 COMPOSITE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-26

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	1.0	U	1.0	0.56	ug/L		06/25/26 22:18	06/30/26 20:17	1
Methylphenol, 3 & 4	1.0	U	1.0	0.37	ug/L		06/25/26 22:18	06/30/26 20:17	1
2-Nitroaniline	5.0	U	5.0	0.55	ug/L		06/25/26 22:18	06/30/26 20:17	1
3-Nitroaniline	5.0	U	5.0	0.44	ug/L		06/25/26 22:18	06/30/26 20:17	1
4-Nitroaniline	5.0	U	5.0	0.36	ug/L		06/25/26 22:18	06/30/26 20:17	1
2-Nitrophenol	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 20:17	1
4-Nitrophenol	5.0	U	5.0	0.94	ug/L		06/25/26 22:18	06/30/26 20:17	1
2,2'-oxybis[1-chloropropane]	0.19	U	0.19	0.12	ug/L		06/25/26 22:18	06/30/26 20:17	1
2,4,5-Trichlorophenol	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 20:17	1
2,4,6-Trichlorophenol	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 20:17	1
4-Chloro-3-methylphenol	1.0	U	1.0	0.44	ug/L		06/25/26 22:18	06/30/26 20:17	1
4-Chlorophenyl phenyl ether	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 20:17	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0	1.5	ug/L		06/25/26 22:18	06/30/26 20:17	1
Cresols, Total	2.0	U	2.0	0.77	ug/L		06/25/26 22:18	06/30/26 20:17	1
Acenaphthene	0.19	U	0.19	0.065	ug/L		06/25/26 22:18	06/30/26 20:17	1
Acenaphthylene	0.19	U	0.19	0.065	ug/L		06/25/26 22:18	06/30/26 20:17	1
Acetophenone	1.0	U	1.0	0.16	ug/L		06/25/26 22:18	06/30/26 20:17	1
Aniline	1.0	U	1.0	0.37	ug/L		06/25/26 22:18	06/30/26 20:17	1
Anthracene	0.19	U	0.19	0.049	ug/L		06/25/26 22:18	06/30/26 20:17	1
Atrazine	1.0	U	1.0	0.30	ug/L		06/25/26 22:18	06/30/26 20:17	1
Benzaldehyde	1.0	U	1.0	0.54	ug/L		06/25/26 22:18	06/30/26 20:17	1
Benzidine	20	U	20	9.1	ug/L		06/25/26 22:18	06/30/26 20:17	1
Benzo[a]anthracene	0.19	U	0.19	0.075	ug/L		06/25/26 22:18	06/30/26 20:17	1
Benzo[b]fluoranthene	0.19	U	0.19	0.097	ug/L		06/25/26 22:18	06/30/26 20:17	1
Benzo[k]fluoranthene	0.19	U	0.19	0.088	ug/L		06/25/26 22:18	06/30/26 20:17	1
Benzoic acid	5.0	U	5.0	2.5	ug/L		06/25/26 22:18	06/30/26 20:17	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.069	ug/L		06/25/26 22:18	06/30/26 20:17	1
Benzo[a]pyrene	0.19	U	0.19	0.13	ug/L		06/25/26 22:18	06/30/26 20:17	1
Bis(2-chloroethoxy)methane	1.0	U	1.0	0.15	ug/L		06/25/26 22:18	06/30/26 20:17	1
Bis(2-chloroethyl)ether	0.19	U	0.19	0.14	ug/L		06/25/26 22:18	06/30/26 20:17	1
Bis(2-ethylhexyl) phthalate	4.4	J	10	2.1	ug/L		06/25/26 22:18	06/30/26 20:17	1
4-Bromophenyl phenyl ether	1.0	U	1.0	0.32	ug/L		06/25/26 22:18	06/30/26 20:17	1
Butyl benzyl phthalate	2.0	U	2.0	0.94	ug/L		06/25/26 22:18	06/30/26 20:17	1
Caprolactam	1.3	J	5.0	0.68	ug/L		06/25/26 22:18	06/30/26 20:17	1
Carbazole	0.19	U	0.19	0.051	ug/L		06/25/26 22:18	06/30/26 20:17	1
4-Chloroaniline	1.0	U	1.0	0.38	ug/L		06/25/26 22:18	06/30/26 20:17	1
Chrysene	0.19	U	0.19	0.081	ug/L		06/25/26 22:18	06/30/26 20:17	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.072	ug/L		06/25/26 22:18	06/30/26 20:17	1
Dibenzofuran	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 20:17	1
Di-n-butyl phthalate	0.39	J	1.0	0.38	ug/L		06/25/26 22:18	06/30/26 20:17	1
Di-n-octyl phthalate	1.0	U	1.0	0.69	ug/L		06/25/26 22:18	06/30/26 20:17	1
Diethyl phthalate	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 20:17	1
Dimethyl phthalate	2.0	U	2.0	0.20	ug/L		06/25/26 22:18	06/30/26 20:17	1
Fluoranthene	0.19	U	0.19	0.060	ug/L		06/25/26 22:18	06/30/26 20:17	1
Fluorene	0.19	U	0.19	0.069	ug/L		06/25/26 22:18	06/30/26 20:17	1
Hexachlorobenzene	0.19	U	0.19	0.056	ug/L		06/25/26 22:18	06/30/26 20:17	1
Hexachlorobutadiene	0.19	U	0.19	0.16	ug/L		06/25/26 22:18	06/30/26 20:17	1
Hexachlorocyclopentadiene	1.0	U	1.0	0.50	ug/L		06/25/26 22:18	06/30/26 20:17	1
Hexachloroethane	1.0	U	1.0	0.32	ug/L		06/25/26 22:18	06/30/26 20:17	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Client Sample ID: SC-2 COMPOSITE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-26

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.085	ug/L		06/25/26 22:18	06/30/26 20:17	1
Isophorone	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 20:17	1
Naphthalene	0.19	U	0.19	0.059	ug/L		06/25/26 22:18	06/30/26 20:17	1
Nitrobenzene	2.0	U	2.0	0.50	ug/L		06/25/26 22:18	06/30/26 20:17	1
N-Nitrosodimethylamine	1.0	U	1.0	0.26	ug/L		06/25/26 22:18	06/30/26 20:17	1
N-Nitrosodiphenylamine	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 20:17	1
N-Nitrosodi-n-propylamine	0.19	U	0.19	0.071	ug/L		06/25/26 22:18	06/30/26 20:17	1
Pentachlorophenol	5.0	U	5.0	0.85	ug/L		06/25/26 22:18	06/30/26 20:17	1
Phenanthrene	0.19	U	0.19	0.16	ug/L		06/25/26 22:18	06/30/26 20:17	1
Phenol	1.0	U	1.0	0.49	ug/L		06/25/26 22:18	06/30/26 20:17	1
Pyrene	0.19	U	0.19	0.11	ug/L		06/25/26 22:18	06/30/26 20:17	1
Pyridine	2.0	U	2.0	1.1	ug/L		06/25/26 22:18	06/30/26 20:17	1
Benzyl alcohol	5.0	U	5.0	1.7	ug/L		06/25/26 22:18	06/30/26 20:17	1
3,3'-Dichlorobenzidine	1.0	U	1.0	0.58	ug/L		06/25/26 22:18	06/30/26 20:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	55		27 - 105	06/25/26 22:18	06/30/26 20:17	1
2-Fluorophenol (Surr)	57		16 - 111	06/25/26 22:18	06/30/26 20:17	1
2,4,6-Tribromophenol (Surr)	70		18 - 128	06/25/26 22:18	06/30/26 20:17	1
Nitrobenzene-d5 (Surr)	60		22 - 113	06/25/26 22:18	06/30/26 20:17	1
Phenol-d5 (Surr)	64		27 - 105	06/25/26 22:18	06/30/26 20:17	1
Terphenyl-d14 (Surr)	58		24 - 128	06/25/26 22:18	06/30/26 20:17	1

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	0.0013	U	0.0013	0.00034	ug/L		06/25/26 22:07	07/01/26 10:13	1
alpha-BHC (2C)	0.0034		0.0013	0.00023	ug/L		06/25/26 22:07	07/01/26 10:13	1
beta-BHC (1C)	0.0013	U	0.0013	0.00035	ug/L		06/25/26 22:07	07/01/26 10:13	1
delta-BHC (1C)	0.0013	U	0.0013	0.00062	ug/L		06/25/26 22:07	07/01/26 10:13	1
gamma-BHC (Lindane) (1C)	0.0013	U	0.0013	0.00028	ug/L		06/25/26 22:07	07/01/26 10:13	1
cis-Chlordane (1C)	0.0013	U	0.0013	0.00035	ug/L		06/25/26 22:07	07/01/26 10:13	1
trans-Chlordane (1C)	0.0013	U	0.0013	0.00090	ug/L		06/25/26 22:07	07/01/26 10:13	1
Chlordane (technical) (1C)	0.012	U	0.012	0.0070	ug/L		06/25/26 22:07	07/01/26 10:13	1
4,4'-DDD (1C)	0.0013	U	0.0013	0.00051	ug/L		06/25/26 22:07	07/01/26 10:13	1
4,4'-DDE (2C)	0.0010	J	0.0013	0.00069	ug/L		06/25/26 22:07	07/01/26 10:13	1
4,4'-DDT (2C)	0.0084	*+	0.0013	0.00066	ug/L		06/25/26 22:07	07/01/26 10:13	1
Dieldrin (1C)	0.0013	U	0.0013	0.00026	ug/L		06/25/26 22:07	07/01/26 10:13	1
Endosulfan I (1C)	0.0013	U	0.0013	0.00066	ug/L		06/25/26 22:07	07/01/26 10:13	1
Endosulfan II (1C)	0.0013	U	0.0013	0.00090	ug/L		06/25/26 22:07	07/01/26 10:13	1
Endosulfan sulfate (1C)	0.0013	U	0.0013	0.00061	ug/L		06/25/26 22:07	07/01/26 10:13	1
Endrin (1C)	0.0013	U	0.0013	0.00022	ug/L		06/25/26 22:07	07/01/26 10:13	1
Endrin aldehyde (1C)	0.0013	U	0.0013	0.00050	ug/L		06/25/26 22:07	07/01/26 10:13	1
Endrin ketone (1C)	0.0013	U	0.0013	0.00096	ug/L		06/25/26 22:07	07/01/26 10:13	1
Heptachlor (1C)	0.0013	U	0.0013	0.00043	ug/L		06/25/26 22:07	07/01/26 10:13	1
Heptachlor epoxide (1C)	0.0013	U	0.0013	0.00033	ug/L		06/25/26 22:07	07/01/26 10:13	1
Methoxychlor (1C)	0.0013	U *	0.0013	0.00075	ug/L		06/25/26 22:07	07/01/26 10:13	1
Mirex (1C)	0.0013	U	0.0013	0.00045	ug/L		06/25/26 22:07	07/01/26 10:13	1
Toxaphene (1C)	0.096	U	0.096	0.047	ug/L		06/25/26 22:07	07/01/26 10:13	1
Endosulfan, Total (1C)	0.0025	U	0.0025	0.00096	ug/L		06/25/26 22:07	07/01/26 10:13	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Client Sample ID: SC-2 COMPOSITE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-26

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr) (1C)	81		11 - 150	06/25/26 22:07	07/01/26 10:13	1
Tetrachloro-m-xylene (Surr) (2C)	84		11 - 150	06/25/26 22:07	07/01/26 10:13	1
DCB Decachlorobiphenyl (Surr) (1C)	75		17 - 142	06/25/26 22:07	07/01/26 10:13	1
DCB Decachlorobiphenyl (Surr) (2C)	81		17 - 142	06/25/26 22:07	07/01/26 10:13	1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	0.0096	U	0.0096	0.0046	ug/L		06/25/26 22:07	07/01/26 10:01	1
PCB-1221 (1C)	0.0096	U	0.0096	0.0055	ug/L		06/25/26 22:07	07/01/26 10:01	1
PCB-1232 (1C)	0.0096	U	0.0096	0.0050	ug/L		06/25/26 22:07	07/01/26 10:01	1
PCB-1242 (1C)	0.0096	U	0.0096	0.0034	ug/L		06/25/26 22:07	07/01/26 10:01	1
PCB-1248 (1C)	0.0096	U	0.0096	0.0077	ug/L		06/25/26 22:07	07/01/26 10:01	1
PCB-1254 (1C)	0.0096	U	0.0096	0.0044	ug/L		06/25/26 22:07	07/01/26 10:01	1
PCB-1260 (1C)	0.0096	U	0.0096	0.0038	ug/L		06/25/26 22:07	07/01/26 10:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	69		23 - 133	06/25/26 22:07	07/01/26 10:01	1
DCB Decachlorobiphenyl (Surr) (2C)	83		23 - 133	06/25/26 22:07	07/01/26 10:01	1
Tetrachloro-m-xylene (Surr) (1C)	49		20 - 133	06/25/26 22:07	07/01/26 10:01	1
Tetrachloro-m-xylene (Surr) (2C)	48		20 - 133	06/25/26 22:07	07/01/26 10:01	1

Method: TAL SOP PCB - Total PCB Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.0096	U	0.0096	0.0077	ug/L			07/01/26 10:01	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4900		25	12	ug/L		07/06/26 09:38	07/06/26 19:02	1
Antimony	2.1		1.0	0.20	ug/L		07/06/26 09:38	07/08/26 21:00	1
Arsenic	15		2.0	0.68	ug/L		07/06/26 09:38	07/06/26 19:02	1
Barium	43		2.0	0.75	ug/L		07/06/26 09:38	07/06/26 19:02	1
Beryllium	0.22 J		0.50	0.12	ug/L		07/06/26 09:38	07/06/26 19:02	1
Cadmium	0.22 J		0.50	0.15	ug/L		07/06/26 09:38	07/06/26 19:02	1
Calcium	380000		100	50	ug/L		07/06/26 09:38	07/06/26 19:02	1
Chromium	11		2.0	0.55	ug/L		07/06/26 09:38	07/06/26 19:02	1
Cobalt	1.7		0.50	0.16	ug/L		07/06/26 09:38	07/06/26 19:02	1
Copper	4.1		1.0	0.85	ug/L		07/06/26 09:38	07/06/26 19:02	1
Iron	6500		50	20	ug/L		07/06/26 09:38	07/06/26 19:02	1
Lead	8.5		0.50	0.12	ug/L		07/06/26 09:38	07/06/26 19:02	1
Magnesium	1200000		50	16	ug/L		07/06/26 09:38	07/06/26 19:02	1
Manganese	1400		2.0	1.2	ug/L		07/06/26 09:38	07/06/26 19:02	1
Nickel	4.9		1.0	0.40	ug/L		07/06/26 09:38	07/06/26 19:02	1
Potassium	410000		200	65	ug/L		07/06/26 09:38	07/06/26 19:02	1
Selenium	0.49 J		1.0	0.28	ug/L		07/06/26 09:38	07/06/26 19:02	1
Silver	0.50 U		0.50	0.10	ug/L		07/06/26 09:38	07/06/26 19:02	1
Sodium	9900000		200	90	ug/L		07/06/26 09:38	07/06/26 19:02	1
Thallium	0.50 U		0.50	0.13	ug/L		07/06/26 09:38	07/06/26 19:02	1
Zinc	38		10	4.0	ug/L		07/06/26 09:38	07/06/26 19:02	1
Vanadium	24		4.0	0.79	ug/L		07/06/26 09:38	07/06/26 19:02	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Job ID: 630-138167-3

Client Sample ID: SC-2 COMPOSITE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-26

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.087	ug/L		06/30/26 17:28	07/01/26 01:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	11		10	3.2	ug/L			07/09/26 23:21	1
Cr (VI) (SW846 EPA 7196A)	10	U	10	6.0	ug/L			06/25/26 16:43	1
Cyanide, Total (SW846 EPA 9014)	10	U	10	8.0	ug/L		06/26/26 14:36	06/27/26 13:11	1

Client Sample ID: SC-3 COMPOSITE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-28

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.0	U	1.0	0.14	ug/L		06/25/26 22:18	06/30/26 20:39	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L		06/25/26 22:18	06/30/26 20:39	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0	0.15	ug/L		06/25/26 22:18	06/30/26 20:39	1
1,3-Dichlorobenzene	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 20:39	1
1,4-Dichlorobenzene	1.0	U	1.0	0.24	ug/L		06/25/26 22:18	06/30/26 20:39	1
1,4-Dioxane	2.0	U	2.0	0.63	ug/L		06/25/26 22:18	06/30/26 20:39	1
1,2-Diphenylhydrazine(as Azobenzene)	1.0	U	1.0	0.20	ug/L		06/25/26 22:18	06/30/26 20:39	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.24	ug/L		06/25/26 22:18	06/30/26 20:39	1
2-Chloronaphthalene	0.19	U	0.19	0.059	ug/L		06/25/26 22:18	06/30/26 20:39	1
2-Chlorophenol	1.0	U	1.0	0.23	ug/L		06/25/26 22:18	06/30/26 20:39	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0	0.33	ug/L		06/25/26 22:18	06/30/26 20:39	1
2,4-Dichlorophenol	0.19	U	0.19	0.051	ug/L		06/25/26 22:18	06/30/26 20:39	1
2,4-Dimethylphenol	1.0	U	1.0	0.59	ug/L		06/25/26 22:18	06/30/26 20:39	1
2,4-Dinitrophenol	10	U	10	3.3	ug/L		06/25/26 22:18	06/30/26 20:39	1
2,4-Dinitrotoluene	1.0	U	1.0	0.35	ug/L		06/25/26 22:18	06/30/26 20:39	1
2,6-Dinitrotoluene	1.0	U	1.0	0.17	ug/L		06/25/26 22:18	06/30/26 20:39	1
2-Methylnaphthalene	0.19	U	0.19	0.062	ug/L		06/25/26 22:18	06/30/26 20:39	1
2-Methylphenol	1.0	U	1.0	0.56	ug/L		06/25/26 22:18	06/30/26 20:39	1
Methylphenol, 3 & 4	1.0	U	1.0	0.37	ug/L		06/25/26 22:18	06/30/26 20:39	1
2-Nitroaniline	5.0	U	5.0	0.55	ug/L		06/25/26 22:18	06/30/26 20:39	1
3-Nitroaniline	5.0	U	5.0	0.44	ug/L		06/25/26 22:18	06/30/26 20:39	1
4-Nitroaniline	5.0	U	5.0	0.36	ug/L		06/25/26 22:18	06/30/26 20:39	1
2-Nitrophenol	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 20:39	1
4-Nitrophenol	5.0	U	5.0	0.94	ug/L		06/25/26 22:18	06/30/26 20:39	1
2,2'-oxybis[1-chloropropane]	0.19	U	0.19	0.12	ug/L		06/25/26 22:18	06/30/26 20:39	1
2,4,5-Trichlorophenol	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 20:39	1
2,4,6-Trichlorophenol	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 20:39	1
4-Chloro-3-methylphenol	1.0	U	1.0	0.44	ug/L		06/25/26 22:18	06/30/26 20:39	1
4-Chlorophenyl phenyl ether	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 20:39	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0	1.5	ug/L		06/25/26 22:18	06/30/26 20:39	1
Cresols, Total	2.0	U	2.0	0.77	ug/L		06/25/26 22:18	06/30/26 20:39	1
Acenaphthene	0.070	J	0.19	0.065	ug/L		06/25/26 22:18	06/30/26 20:39	1
Acenaphthylene	0.19	U	0.19	0.065	ug/L		06/25/26 22:18	06/30/26 20:39	1
Acetophenone	1.0	U	1.0	0.16	ug/L		06/25/26 22:18	06/30/26 20:39	1
Aniline	1.0	U	1.0	0.37	ug/L		06/25/26 22:18	06/30/26 20:39	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Client Sample ID: SC-3 COMPOSITE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-28

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	0.19	U	0.19	0.049	ug/L		06/25/26 22:18	06/30/26 20:39	1
Atrazine	1.0	U	1.0	0.30	ug/L		06/25/26 22:18	06/30/26 20:39	1
Benzaldehyde	1.0	U	1.0	0.54	ug/L		06/25/26 22:18	06/30/26 20:39	1
Benzidine	20	U	20	9.1	ug/L		06/25/26 22:18	06/30/26 20:39	1
Benzo[a]anthracene	0.19	U	0.19	0.075	ug/L		06/25/26 22:18	06/30/26 20:39	1
Benzo[b]fluoranthene	0.19	U	0.19	0.097	ug/L		06/25/26 22:18	06/30/26 20:39	1
Benzo[k]fluoranthene	0.19	U	0.19	0.088	ug/L		06/25/26 22:18	06/30/26 20:39	1
Benzoic acid	5.0	U	5.0	2.5	ug/L		06/25/26 22:18	06/30/26 20:39	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.069	ug/L		06/25/26 22:18	06/30/26 20:39	1
Benzo[a]pyrene	0.19	U	0.19	0.13	ug/L		06/25/26 22:18	06/30/26 20:39	1
Bis(2-chloroethoxy)methane	1.0	U	1.0	0.15	ug/L		06/25/26 22:18	06/30/26 20:39	1
Bis(2-chloroethyl)ether	0.19	U	0.19	0.14	ug/L		06/25/26 22:18	06/30/26 20:39	1
Bis(2-ethylhexyl) phthalate	4.2	J	10	2.1	ug/L		06/25/26 22:18	06/30/26 20:39	1
4-Bromophenyl phenyl ether	1.0	U	1.0	0.32	ug/L		06/25/26 22:18	06/30/26 20:39	1
Butyl benzyl phthalate	1.5	J	2.0	0.94	ug/L		06/25/26 22:18	06/30/26 20:39	1
Caprolactam	3.2	J	5.0	0.68	ug/L		06/25/26 22:18	06/30/26 20:39	1
Carbazole	0.19	U	0.19	0.051	ug/L		06/25/26 22:18	06/30/26 20:39	1
4-Chloroaniline	1.0	U	1.0	0.38	ug/L		06/25/26 22:18	06/30/26 20:39	1
Chrysene	0.19	U	0.19	0.081	ug/L		06/25/26 22:18	06/30/26 20:39	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.072	ug/L		06/25/26 22:18	06/30/26 20:39	1
Dibenzofuran	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 20:39	1
Di-n-butyl phthalate	1.5		1.0	0.38	ug/L		06/25/26 22:18	06/30/26 20:39	1
Di-n-octyl phthalate	1.0	U	1.0	0.69	ug/L		06/25/26 22:18	06/30/26 20:39	1
Diethyl phthalate	0.40	J	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 20:39	1
Dimethyl phthalate	0.38	J	2.0	0.20	ug/L		06/25/26 22:18	06/30/26 20:39	1
Fluoranthene	0.19	U	0.19	0.060	ug/L		06/25/26 22:18	06/30/26 20:39	1
Fluorene	0.19	U	0.19	0.069	ug/L		06/25/26 22:18	06/30/26 20:39	1
Hexachlorobenzene	0.19	U	0.19	0.056	ug/L		06/25/26 22:18	06/30/26 20:39	1
Hexachlorobutadiene	0.19	U	0.19	0.16	ug/L		06/25/26 22:18	06/30/26 20:39	1
Hexachlorocyclopentadiene	1.0	U	1.0	0.50	ug/L		06/25/26 22:18	06/30/26 20:39	1
Hexachloroethane	1.0	U	1.0	0.32	ug/L		06/25/26 22:18	06/30/26 20:39	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.085	ug/L		06/25/26 22:18	06/30/26 20:39	1
Isophorone	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 20:39	1
Naphthalene	0.19	U	0.19	0.059	ug/L		06/25/26 22:18	06/30/26 20:39	1
Nitrobenzene	2.0	U	2.0	0.50	ug/L		06/25/26 22:18	06/30/26 20:39	1
N-Nitrosodimethylamine	1.0	U	1.0	0.26	ug/L		06/25/26 22:18	06/30/26 20:39	1
N-Nitrosodiphenylamine	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 20:39	1
N-Nitrosodi-n-propylamine	0.19	U	0.19	0.071	ug/L		06/25/26 22:18	06/30/26 20:39	1
Pentachlorophenol	5.0	U	5.0	0.85	ug/L		06/25/26 22:18	06/30/26 20:39	1
Phenanthrene	0.19	U	0.19	0.16	ug/L		06/25/26 22:18	06/30/26 20:39	1
Phenol	1.0	U	1.0	0.49	ug/L		06/25/26 22:18	06/30/26 20:39	1
Pyrene	0.19	U	0.19	0.11	ug/L		06/25/26 22:18	06/30/26 20:39	1
Pyridine	2.0	U	2.0	1.1	ug/L		06/25/26 22:18	06/30/26 20:39	1
Benzyl alcohol	5.0	U	5.0	1.7	ug/L		06/25/26 22:18	06/30/26 20:39	1
3,3'-Dichlorobenzidine	1.0	U	1.0	0.58	ug/L		06/25/26 22:18	06/30/26 20:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	86		27 - 105	06/25/26 22:18	06/30/26 20:39	1
2-Fluorophenol (Surr)	83		16 - 111	06/25/26 22:18	06/30/26 20:39	1
2,4,6-Tribromophenol (Surr)	95		18 - 128	06/25/26 22:18	06/30/26 20:39	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Job ID: 630-138167-3

Client Sample ID: SC-3 COMPOSITE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-28

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	86		22 - 113	06/25/26 22:18	06/30/26 20:39	1
Phenol-d5 (Surr)	93		27 - 105	06/25/26 22:18	06/30/26 20:39	1
Terphenyl-d14 (Surr)	90		24 - 128	06/25/26 22:18	06/30/26 20:39	1

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	0.0012	U	0.0012	0.00034	ug/L		06/25/26 22:07	07/01/26 10:31	1
alpha-BHC (1C)	0.0023		0.0012	0.00023	ug/L		06/25/26 22:07	07/01/26 10:31	1
beta-BHC (1C)	0.0012	U	0.0012	0.00035	ug/L		06/25/26 22:07	07/01/26 10:31	1
delta-BHC (1C)	0.0012	U	0.0012	0.00061	ug/L		06/25/26 22:07	07/01/26 10:31	1
gamma-BHC (Lindane) (1C)	0.0012	U	0.0012	0.00028	ug/L		06/25/26 22:07	07/01/26 10:31	1
cis-Chlordane (1C)	0.0012	U	0.0012	0.00035	ug/L		06/25/26 22:07	07/01/26 10:31	1
trans-Chlordane (1C)	0.0012	U	0.0012	0.00089	ug/L		06/25/26 22:07	07/01/26 10:31	1
Chlordane (technical) (1C)	0.012	U	0.012	0.0069	ug/L		06/25/26 22:07	07/01/26 10:31	1
4,4'-DDD (1C)	0.0012	U	0.0012	0.00051	ug/L		06/25/26 22:07	07/01/26 10:31	1
4,4'-DDE (1C)	0.0012	U	0.0012	0.00068	ug/L		06/25/26 22:07	07/01/26 10:31	1
4,4'-DDT (1C)	0.0012	U	0.0012	0.00066	ug/L		06/25/26 22:07	07/01/26 10:31	1
Dieldrin (1C)	0.0012	U	0.0012	0.00026	ug/L		06/25/26 22:07	07/01/26 10:31	1
Endosulfan I (1C)	0.0012	U	0.0012	0.00065	ug/L		06/25/26 22:07	07/01/26 10:31	1
Endosulfan II (1C)	0.0012	U	0.0012	0.00090	ug/L		06/25/26 22:07	07/01/26 10:31	1
Endosulfan sulfate (1C)	0.0012	U	0.0012	0.00061	ug/L		06/25/26 22:07	07/01/26 10:31	1
Endrin (1C)	0.0012	U	0.0012	0.00022	ug/L		06/25/26 22:07	07/01/26 10:31	1
Endrin aldehyde (1C)	0.0012	U	0.0012	0.00049	ug/L		06/25/26 22:07	07/01/26 10:31	1
Endrin ketone (1C)	0.0012	U	0.0012	0.00095	ug/L		06/25/26 22:07	07/01/26 10:31	1
Heptachlor (1C)	0.00055	J p	0.0012	0.00043	ug/L		06/25/26 22:07	07/01/26 10:31	1
Heptachlor epoxide (1C)	0.0012	U	0.0012	0.00032	ug/L		06/25/26 22:07	07/01/26 10:31	1
Methoxychlor (1C)	0.0012	U *	0.0012	0.00074	ug/L		06/25/26 22:07	07/01/26 10:31	1
Mirex (1C)	0.0012	U	0.0012	0.00044	ug/L		06/25/26 22:07	07/01/26 10:31	1
Toxaphene (1C)	0.095	U	0.095	0.047	ug/L		06/25/26 22:07	07/01/26 10:31	1
Endosulfan, Total (1C)	0.0025	U	0.0025	0.00095	ug/L		06/25/26 22:07	07/01/26 10:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr) (1C)	91		11 - 150	06/25/26 22:07	07/01/26 10:31	1
Tetrachloro-m-xylene (Surr) (2C)	92		11 - 150	06/25/26 22:07	07/01/26 10:31	1
DCB Decachlorobiphenyl (Surr) (1C)	77		17 - 142	06/25/26 22:07	07/01/26 10:31	1
DCB Decachlorobiphenyl (Surr) (2C)	84		17 - 142	06/25/26 22:07	07/01/26 10:31	1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	0.0095	U	0.0095	0.0045	ug/L		06/25/26 22:07	07/01/26 10:18	1
PCB-1221 (1C)	0.0095	U	0.0095	0.0054	ug/L		06/25/26 22:07	07/01/26 10:18	1
PCB-1232 (1C)	0.0095	U	0.0095	0.0050	ug/L		06/25/26 22:07	07/01/26 10:18	1
PCB-1242 (1C)	0.0095	U	0.0095	0.0034	ug/L		06/25/26 22:07	07/01/26 10:18	1
PCB-1248 (1C)	0.0095	U	0.0095	0.0076	ug/L		06/25/26 22:07	07/01/26 10:18	1
PCB-1254 (1C)	0.0095	U	0.0095	0.0043	ug/L		06/25/26 22:07	07/01/26 10:18	1
PCB-1260 (2C)	0.059	B	0.0095	0.0037	ug/L		06/25/26 22:07	07/01/26 10:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	72		23 - 133	06/25/26 22:07	07/01/26 10:18	1
DCB Decachlorobiphenyl (Surr) (2C)	88		23 - 133	06/25/26 22:07	07/01/26 10:18	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Client Sample ID: SC-3 COMPOSITE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-28

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr) (1C)	54		20 - 133	06/25/26 22:07	07/01/26 10:18	1
Tetrachloro-m-xylene (Surr) (2C)	52		20 - 133	06/25/26 22:07	07/01/26 10:18	1

Method: TAL SOP PCB - Total PCB Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.059		0.0095	0.0076	ug/L			07/01/26 10:18	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	960		25	12	ug/L		07/02/26 09:14	07/02/26 19:47	1
Antimony	1.4		1.0	0.20	ug/L		07/02/26 09:14	07/02/26 19:47	1
Arsenic	8.4		2.0	0.68	ug/L		07/02/26 09:14	07/02/26 19:47	1
Barium	24		2.0	0.75	ug/L		07/02/26 09:14	07/02/26 19:47	1
Beryllium	0.50	U ^+	0.50	0.12	ug/L		07/02/26 09:14	07/02/26 19:47	1
Cadmium	0.50	U	0.50	0.15	ug/L		07/02/26 09:14	07/02/26 19:47	1
Calcium	320000		10000	5000	ug/L		07/02/26 09:14	07/02/26 21:40	100
Chromium	2.4		2.0	0.55	ug/L		07/02/26 09:14	07/02/26 19:47	1
Cobalt	0.47	J	0.50	0.16	ug/L		07/02/26 09:14	07/02/26 19:47	1
Copper	1.2		1.0	0.85	ug/L		07/02/26 09:14	07/02/26 19:47	1
Iron	1400		50	20	ug/L		07/02/26 09:14	07/02/26 19:47	1
Lead	1.8		0.50	0.12	ug/L		07/02/26 09:14	07/02/26 19:47	1
Magnesium	1000000		5000	1600	ug/L		07/02/26 09:14	07/02/26 21:40	100
Manganese	1000		2.0	1.2	ug/L		07/02/26 09:14	07/02/26 19:47	1
Nickel	1.6		1.0	0.40	ug/L		07/02/26 09:14	07/02/26 19:47	1
Potassium	340000		20000	6500	ug/L		07/02/26 09:14	07/02/26 21:40	100
Selenium	0.35	J	1.0	0.28	ug/L		07/02/26 09:14	07/02/26 19:47	1
Silver	0.50	U	0.50	0.10	ug/L		07/02/26 09:14	07/02/26 19:47	1
Sodium	8300000		20000	9000	ug/L		07/02/26 09:14	07/02/26 21:40	100
Thallium	0.50	U	0.50	0.13	ug/L		07/02/26 09:14	07/02/26 19:47	1
Zinc	6.3	J	10	4.0	ug/L		07/02/26 09:14	07/02/26 19:47	1
Vanadium	6.1		4.0	0.79	ug/L		07/02/26 09:14	07/02/26 19:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.087	ug/L		06/30/26 17:28	07/01/26 01:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10	U	10	3.2	ug/L			07/08/26 23:21	1
Cr (VI) (SW846 EPA 7196A)	10	U	10	6.0	ug/L			06/25/26 16:45	1
Cyanide, Total (SW846 EPA 9014)	10	U	10	8.0	ug/L		06/26/26 14:36	06/27/26 13:13	1

Client Sample ID: C-4 DISCRETE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-30

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.0	U	1.0	0.14	ug/L		06/25/26 22:18	06/30/26 21:02	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L		06/25/26 22:18	06/30/26 21:02	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Client Sample ID: C-4 DISCRETE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-30

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0	0.15	ug/L		06/25/26 22:18	06/30/26 21:02	1
1,3-Dichlorobenzene	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 21:02	1
1,4-Dichlorobenzene	1.0	U	1.0	0.24	ug/L		06/25/26 22:18	06/30/26 21:02	1
1,4-Dioxane	2.0	U	2.0	0.63	ug/L		06/25/26 22:18	06/30/26 21:02	1
1,2-Diphenylhydrazine(as Azobenzene)	1.0	U	1.0	0.20	ug/L		06/25/26 22:18	06/30/26 21:02	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.24	ug/L		06/25/26 22:18	06/30/26 21:02	1
2-Chloronaphthalene	0.19	U	0.19	0.059	ug/L		06/25/26 22:18	06/30/26 21:02	1
2-Chlorophenol	1.0	U	1.0	0.23	ug/L		06/25/26 22:18	06/30/26 21:02	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0	0.33	ug/L		06/25/26 22:18	06/30/26 21:02	1
2,4-Dichlorophenol	0.19	U	0.19	0.051	ug/L		06/25/26 22:18	06/30/26 21:02	1
2,4-Dimethylphenol	1.0	U	1.0	0.59	ug/L		06/25/26 22:18	06/30/26 21:02	1
2,4-Dinitrophenol	10	U	10	3.3	ug/L		06/25/26 22:18	06/30/26 21:02	1
2,4-Dinitrotoluene	1.0	U	1.0	0.35	ug/L		06/25/26 22:18	06/30/26 21:02	1
2,6-Dinitrotoluene	1.0	U	1.0	0.17	ug/L		06/25/26 22:18	06/30/26 21:02	1
2-Methylnaphthalene	0.19	U	0.19	0.062	ug/L		06/25/26 22:18	06/30/26 21:02	1
2-Methylphenol	1.0	U	1.0	0.56	ug/L		06/25/26 22:18	06/30/26 21:02	1
Methylphenol, 3 & 4	1.0	U	1.0	0.37	ug/L		06/25/26 22:18	06/30/26 21:02	1
2-Nitroaniline	5.0	U	5.0	0.55	ug/L		06/25/26 22:18	06/30/26 21:02	1
3-Nitroaniline	5.0	U	5.0	0.44	ug/L		06/25/26 22:18	06/30/26 21:02	1
4-Nitroaniline	5.0	U	5.0	0.36	ug/L		06/25/26 22:18	06/30/26 21:02	1
2-Nitrophenol	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 21:02	1
4-Nitrophenol	5.0	U	5.0	0.94	ug/L		06/25/26 22:18	06/30/26 21:02	1
2,2'-oxybis[1-chloropropane]	0.19	U	0.19	0.12	ug/L		06/25/26 22:18	06/30/26 21:02	1
2,4,5-Trichlorophenol	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 21:02	1
2,4,6-Trichlorophenol	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 21:02	1
4-Chloro-3-methylphenol	1.0	U	1.0	0.44	ug/L		06/25/26 22:18	06/30/26 21:02	1
4-Chlorophenyl phenyl ether	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 21:02	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0	1.5	ug/L		06/25/26 22:18	06/30/26 21:02	1
Cresols, Total	2.0	U	2.0	0.77	ug/L		06/25/26 22:18	06/30/26 21:02	1
Acenaphthene	0.19	U	0.19	0.065	ug/L		06/25/26 22:18	06/30/26 21:02	1
Acenaphthylene	0.19	U	0.19	0.065	ug/L		06/25/26 22:18	06/30/26 21:02	1
Acetophenone	1.0	U	1.0	0.16	ug/L		06/25/26 22:18	06/30/26 21:02	1
Aniline	1.0	U	1.0	0.37	ug/L		06/25/26 22:18	06/30/26 21:02	1
Anthracene	0.19	U	0.19	0.049	ug/L		06/25/26 22:18	06/30/26 21:02	1
Atrazine	1.0	U	1.0	0.30	ug/L		06/25/26 22:18	06/30/26 21:02	1
Benzaldehyde	1.0	U	1.0	0.54	ug/L		06/25/26 22:18	06/30/26 21:02	1
Benzidine	20	U	20	9.1	ug/L		06/25/26 22:18	06/30/26 21:02	1
Benzo[a]anthracene	0.19	U	0.19	0.075	ug/L		06/25/26 22:18	06/30/26 21:02	1
Benzo[b]fluoranthene	0.19	U	0.19	0.097	ug/L		06/25/26 22:18	06/30/26 21:02	1
Benzo[k]fluoranthene	0.19	U	0.19	0.088	ug/L		06/25/26 22:18	06/30/26 21:02	1
Benzoic acid	5.0	U	5.0	2.5	ug/L		06/25/26 22:18	06/30/26 21:02	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.069	ug/L		06/25/26 22:18	06/30/26 21:02	1
Benzo[a]pyrene	0.19	U	0.19	0.13	ug/L		06/25/26 22:18	06/30/26 21:02	1
Bis(2-chloroethoxy)methane	1.0	U	1.0	0.15	ug/L		06/25/26 22:18	06/30/26 21:02	1
Bis(2-chloroethyl)ether	0.19	U	0.19	0.14	ug/L		06/25/26 22:18	06/30/26 21:02	1
Bis(2-ethylhexyl) phthalate	2.4	J	10	2.1	ug/L		06/25/26 22:18	06/30/26 21:02	1
4-Bromophenyl phenyl ether	1.0	U	1.0	0.32	ug/L		06/25/26 22:18	06/30/26 21:02	1
Butyl benzyl phthalate	1.6	J	2.0	0.94	ug/L		06/25/26 22:18	06/30/26 21:02	1
Caprolactam	2.7	J	5.0	0.68	ug/L		06/25/26 22:18	06/30/26 21:02	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Client Sample ID: C-4 DISCRETE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-30

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	0.19	U	0.19	0.051	ug/L		06/25/26 22:18	06/30/26 21:02	1
4-Chloroaniline	1.0	U	1.0	0.38	ug/L		06/25/26 22:18	06/30/26 21:02	1
Chrysene	0.19	U	0.19	0.081	ug/L		06/25/26 22:18	06/30/26 21:02	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.072	ug/L		06/25/26 22:18	06/30/26 21:02	1
Dibenzofuran	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 21:02	1
Di-n-butyl phthalate	1.4		1.0	0.38	ug/L		06/25/26 22:18	06/30/26 21:02	1
Di-n-octyl phthalate	1.0	U	1.0	0.69	ug/L		06/25/26 22:18	06/30/26 21:02	1
Diethyl phthalate	0.44	J	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 21:02	1
Dimethyl phthalate	2.0	U	2.0	0.20	ug/L		06/25/26 22:18	06/30/26 21:02	1
Fluoranthene	0.19	U	0.19	0.060	ug/L		06/25/26 22:18	06/30/26 21:02	1
Fluorene	0.19	U	0.19	0.069	ug/L		06/25/26 22:18	06/30/26 21:02	1
Hexachlorobenzene	0.19	U	0.19	0.056	ug/L		06/25/26 22:18	06/30/26 21:02	1
Hexachlorobutadiene	0.19	U	0.19	0.16	ug/L		06/25/26 22:18	06/30/26 21:02	1
Hexachlorocyclopentadiene	1.0	U	1.0	0.50	ug/L		06/25/26 22:18	06/30/26 21:02	1
Hexachloroethane	1.0	U	1.0	0.32	ug/L		06/25/26 22:18	06/30/26 21:02	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.085	ug/L		06/25/26 22:18	06/30/26 21:02	1
Isophorone	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 21:02	1
Naphthalene	0.19	U	0.19	0.059	ug/L		06/25/26 22:18	06/30/26 21:02	1
Nitrobenzene	2.0	U	2.0	0.50	ug/L		06/25/26 22:18	06/30/26 21:02	1
N-Nitrosodimethylamine	1.0	U	1.0	0.26	ug/L		06/25/26 22:18	06/30/26 21:02	1
N-Nitrosodiphenylamine	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 21:02	1
N-Nitrosodi-n-propylamine	0.19	U	0.19	0.071	ug/L		06/25/26 22:18	06/30/26 21:02	1
Pentachlorophenol	5.0	U	5.0	0.85	ug/L		06/25/26 22:18	06/30/26 21:02	1
Phenanthrene	0.19	U	0.19	0.16	ug/L		06/25/26 22:18	06/30/26 21:02	1
Phenol	1.0	U	1.0	0.49	ug/L		06/25/26 22:18	06/30/26 21:02	1
Pyrene	0.19	U	0.19	0.11	ug/L		06/25/26 22:18	06/30/26 21:02	1
Pyridine	2.0	U	2.0	1.1	ug/L		06/25/26 22:18	06/30/26 21:02	1
Benzyl alcohol	5.0	U	5.0	1.7	ug/L		06/25/26 22:18	06/30/26 21:02	1
3,3'-Dichlorobenzidine	1.0	U	1.0	0.58	ug/L		06/25/26 22:18	06/30/26 21:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	71		27 - 105	06/25/26 22:18	06/30/26 21:02	1
2-Fluorophenol (Surr)	67		16 - 111	06/25/26 22:18	06/30/26 21:02	1
2,4,6-Tribromophenol (Surr)	83		18 - 128	06/25/26 22:18	06/30/26 21:02	1
Nitrobenzene-d5 (Surr)	70		22 - 113	06/25/26 22:18	06/30/26 21:02	1
Phenol-d5 (Surr)	75		27 - 105	06/25/26 22:18	06/30/26 21:02	1
Terphenyl-d14 (Surr)	85		24 - 128	06/25/26 22:18	06/30/26 21:02	1

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	0.0012	U	0.0012	0.00034	ug/L		06/25/26 22:07	07/01/26 10:50	1
alpha-BHC (2C)	0.0020		0.0012	0.00023	ug/L		06/25/26 22:07	07/01/26 10:50	1
beta-BHC (1C)	0.0012	U	0.0012	0.00035	ug/L		06/25/26 22:07	07/01/26 10:50	1
delta-BHC (1C)	0.0012	U	0.0012	0.00061	ug/L		06/25/26 22:07	07/01/26 10:50	1
gamma-BHC (Lindane) (1C)	0.0012	U	0.0012	0.00028	ug/L		06/25/26 22:07	07/01/26 10:50	1
cis-Chlordane (1C)	0.0012	U	0.0012	0.00035	ug/L		06/25/26 22:07	07/01/26 10:50	1
trans-Chlordane (1C)	0.0012	U	0.0012	0.00089	ug/L		06/25/26 22:07	07/01/26 10:50	1
Chlordane (technical) (1C)	0.012	U	0.012	0.0069	ug/L		06/25/26 22:07	07/01/26 10:50	1
4,4'-DDD (1C)	0.0012	U	0.0012	0.00051	ug/L		06/25/26 22:07	07/01/26 10:50	1
4,4'-DDE (1C)	0.0012	U	0.0012	0.00068	ug/L		06/25/26 22:07	07/01/26 10:50	1

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Client Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Job ID: 630-138167-3

Client Sample ID: C-4 DISCRETE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-30

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Method: SW846 EPA 8081B LL - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT (1C)	0.0012	U	0.0012	0.00066	ug/L		06/25/26 22:07	07/01/26 10:50	1
Dieldrin (1C)	0.0012	U	0.0012	0.00026	ug/L		06/25/26 22:07	07/01/26 10:50	1
Endosulfan I (1C)	0.0012	U	0.0012	0.00065	ug/L		06/25/26 22:07	07/01/26 10:50	1
Endosulfan II (1C)	0.0012	U	0.0012	0.00090	ug/L		06/25/26 22:07	07/01/26 10:50	1
Endosulfan sulfate (1C)	0.0012	U	0.0012	0.00061	ug/L		06/25/26 22:07	07/01/26 10:50	1
Endrin (1C)	0.0012	U	0.0012	0.00022	ug/L		06/25/26 22:07	07/01/26 10:50	1
Endrin aldehyde (1C)	0.0012	U	0.0012	0.00049	ug/L		06/25/26 22:07	07/01/26 10:50	1
Endrin ketone (1C)	0.0012	U	0.0012	0.00095	ug/L		06/25/26 22:07	07/01/26 10:50	1
Heptachlor (1C)	0.0012	U	0.0012	0.00043	ug/L		06/25/26 22:07	07/01/26 10:50	1
Heptachlor epoxide (1C)	0.0012	U	0.0012	0.00032	ug/L		06/25/26 22:07	07/01/26 10:50	1
Methoxychlor (1C)	0.0012	U *	0.0012	0.00074	ug/L		06/25/26 22:07	07/01/26 10:50	1
Mirex (1C)	0.0012	U	0.0012	0.00044	ug/L		06/25/26 22:07	07/01/26 10:50	1
Toxaphene (1C)	0.095	U	0.095	0.047	ug/L		06/25/26 22:07	07/01/26 10:50	1
Endosulfan, Total (1C)	0.0025	U	0.0025	0.00095	ug/L		06/25/26 22:07	07/01/26 10:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr) (1C)	84		11 - 150	06/25/26 22:07	07/01/26 10:50	1
Tetrachloro-m-xylene (Surr) (2C)	89		11 - 150	06/25/26 22:07	07/01/26 10:50	1
DCB Decachlorobiphenyl (Surr) (1C)	70		17 - 142	06/25/26 22:07	07/01/26 10:50	1
DCB Decachlorobiphenyl (Surr) (2C)	79		17 - 142	06/25/26 22:07	07/01/26 10:50	1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	0.0095	U	0.0095	0.0045	ug/L		06/25/26 22:07	07/01/26 10:36	1
PCB-1221 (1C)	0.0095	U	0.0095	0.0054	ug/L		06/25/26 22:07	07/01/26 10:36	1
PCB-1232 (1C)	0.0095	U	0.0095	0.0050	ug/L		06/25/26 22:07	07/01/26 10:36	1
PCB-1242 (1C)	0.0095	U	0.0095	0.0034	ug/L		06/25/26 22:07	07/01/26 10:36	1
PCB-1248 (1C)	0.0095	U	0.0095	0.0076	ug/L		06/25/26 22:07	07/01/26 10:36	1
PCB-1254 (1C)	0.0095	U	0.0095	0.0043	ug/L		06/25/26 22:07	07/01/26 10:36	1
PCB-1260 (1C)	0.0095	U	0.0095	0.0037	ug/L		06/25/26 22:07	07/01/26 10:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	72		23 - 133	06/25/26 22:07	07/01/26 10:36	1
DCB Decachlorobiphenyl (Surr) (2C)	81		23 - 133	06/25/26 22:07	07/01/26 10:36	1
Tetrachloro-m-xylene (Surr) (1C)	50		20 - 133	06/25/26 22:07	07/01/26 10:36	1
Tetrachloro-m-xylene (Surr) (2C)	48		20 - 133	06/25/26 22:07	07/01/26 10:36	1

Method: TAL SOP PCB - Total PCB Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.0095	U	0.0095	0.0076	ug/L			07/01/26 10:36	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	520		25	12	ug/L		07/06/26 09:38	07/06/26 19:06	1
Antimony	0.85	J	1.0	0.20	ug/L		07/06/26 09:38	07/06/26 19:06	1
Arsenic	3.0		2.0	0.68	ug/L		07/06/26 09:38	07/06/26 19:06	1
Barium	18		2.0	0.75	ug/L		07/06/26 09:38	07/06/26 19:06	1
Beryllium	0.50	U	0.50	0.12	ug/L		07/06/26 09:38	07/06/26 19:06	1
Cadmium	0.50	U	0.50	0.15	ug/L		07/06/26 09:38	07/06/26 19:06	1
Calcium	380000		100	50	ug/L		07/06/26 09:38	07/06/26 19:06	1
Chromium	1.1	J	2.0	0.55	ug/L		07/06/26 09:38	07/06/26 19:06	1

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Client Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Client Sample ID: C-4 DISCRETE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-30

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.50	U	0.50	0.16	ug/L		07/06/26 09:38	07/06/26 19:06	1
Copper	1.0	U	1.0	0.85	ug/L		07/06/26 09:38	07/06/26 19:06	1
Iron	410		50	20	ug/L		07/06/26 09:38	07/06/26 19:06	1
Lead	0.70		0.50	0.12	ug/L		07/06/26 09:38	07/06/26 19:06	1
Magnesium	1200000		50	16	ug/L		07/06/26 09:38	07/06/26 19:06	1
Manganese	160		2.0	1.2	ug/L		07/06/26 09:38	07/06/26 19:06	1
Nickel	0.81	J	1.0	0.40	ug/L		07/06/26 09:38	07/06/26 19:06	1
Potassium	410000		200	65	ug/L		07/06/26 09:38	07/06/26 19:06	1
Selenium	0.32	J	1.0	0.28	ug/L		07/06/26 09:38	07/06/26 19:06	1
Silver	0.50	U	0.50	0.10	ug/L		07/06/26 09:38	07/06/26 19:06	1
Sodium	10000000		200	90	ug/L		07/06/26 09:38	07/06/26 19:06	1
Thallium	0.50	U	0.50	0.13	ug/L		07/06/26 09:38	07/06/26 19:06	1
Zinc	10	U	10	4.0	ug/L		07/06/26 09:38	07/06/26 19:06	1
Vanadium	5.4		4.0	0.79	ug/L		07/06/26 09:38	07/06/26 19:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.087	ug/L		06/30/26 17:28	07/01/26 01:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10	U	10	3.2	ug/L			07/09/26 23:21	1
Cr (VI) (SW846 EPA 7196A)	10	U	10	6.0	ug/L			06/25/26 16:49	1
Cyanide, Total (SW846 EPA 9014)	10	U	10	8.0	ug/L		06/26/26 14:36	06/27/26 13:13	1

Surrogate Summary

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Matrix: MET, Total

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (27-105)	2FP (16-111)	TBP (18-128)	NBZ (22-113)	PHL (27-105)	TPHL (24-128)
630-138167-24	SC-1 COMPOSITE ELUTRIATE TO	71	76	85	75	82	72
630-138167-26	SC-2 COMPOSITE ELUTRIATE TOTAL	55	57	70	60	64	58
630-138167-28	SC-3 COMPOSITE ELUTRIATE TOTAL	86	83	95	86	93	90
630-138167-30	C-4 DISCRETE ELUTRIATE TOTAL	71	67	83	70	75	85
Surrogate Legend							
FBP = 2-Fluorobiphenyl (Surr)							
2FP = 2-Fluorophenol (Surr)							
TBP = 2,4,6-Tribromophenol (Surr)							
NBZ = Nitrobenzene-d5 (Surr)							
PHL = Phenol-d5 (Surr)							
TPHL = Terphenyl-d14 (Surr)							

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (27-105)	2FP (16-111)	TBP (18-128)	NBZ (22-113)	PHL (27-105)	TPHL (24-128)
LCS 180-515477/2-A	Lab Control Sample	66	79	73	73	77	67
MB 180-515477/1-A	Method Blank	85	91	90	88	91	90
Surrogate Legend							
FBP = 2-Fluorobiphenyl (Surr)							
2FP = 2-Fluorophenol (Surr)							
TBP = 2,4,6-Tribromophenol (Surr)							
NBZ = Nitrobenzene-d5 (Surr)							
PHL = Phenol-d5 (Surr)							
TPHL = Terphenyl-d14 (Surr)							

Method: EPA 8081B LL - Organochlorine Pesticides (GC)

Matrix: MET, Total

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (11-150)	TCX2 (11-150)	DCB1 (17-142)	DCB2 (17-142)
630-138167-24	SC-1 COMPOSITE ELUTRIATE TO	85	85	80	80
630-138167-26	SC-2 COMPOSITE ELUTRIATE TOTAL	81	84	75	81
630-138167-28	SC-3 COMPOSITE ELUTRIATE TOTAL	91	92	77	84
630-138167-30	C-4 DISCRETE ELUTRIATE TOTAL	84	89	70	79
Surrogate Legend					
TCX = Tetrachloro-m-xylene (Surr)					
DCB = DCB Decachlorobiphenyl (Surr)					

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Surrogate Summary

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Method: EPA 8081B LL - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (11-150)	TCX2 (11-150)	DCB1 (17-142)	DCB2 (17-142)
LCS 180-515476/4-A	Lab Control Sample	91	92	79	81
LCSD 180-515476/5-A	Lab Control Sample Dup	95	95	85	88
MB 180-515476/1-A	Method Blank	96	97	79	83
Surrogate Legend					
TCX = Tetrachloro-m-xylene (Surr)					
DCB = DCB Decachlorobiphenyl (Surr)					

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: MET, Total

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCB1 (23-133)	DCB2 (23-133)	TCX1 (20-133)	TCX2 (20-133)
630-138167-24	SC-1 COMPOSITE ELUTRIATE TO	82	81	49	48
630-138167-26	SC-2 COMPOSITE ELUTRIATE	69	83	49	48
	TOTAL				
630-138167-28	SC-3 COMPOSITE ELUTRIATE	72	88	54	52
	TOTAL				
630-138167-30	C-4 DISCRETE ELUTRIATE	72	81	50	48
	TOTAL				
Surrogate Legend					
DCB = DCB Decachlorobiphenyl (Surr)					
TCX = Tetrachloro-m-xylene (Surr)					

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCB1 (23-133)	DCB2 (23-133)	TCX1 (20-133)	TCX2 (20-133)
LCS 180-515476/2-A	Lab Control Sample	88	85	59	58
LCSD 180-515476/3-A	Lab Control Sample Dup	91	86	60	58
MB 180-515476/1-A	Method Blank	97	95	65	63
Surrogate Legend					
DCB = DCB Decachlorobiphenyl (Surr)					
TCX = Tetrachloro-m-xylene (Surr)					

QC Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-515477/1-A

Matrix: Water

Analysis Batch: 515605

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 515477

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1'-Biphenyl	1.0	U	1.0	0.14	ug/L		06/25/26 22:18	06/30/26 12:57	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L		06/25/26 22:18	06/30/26 12:57	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0	0.15	ug/L		06/25/26 22:18	06/30/26 12:57	1
1,3-Dichlorobenzene	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 12:57	1
1,4-Dichlorobenzene	1.0	U	1.0	0.24	ug/L		06/25/26 22:18	06/30/26 12:57	1
1,4-Dioxane	2.0	U	2.0	0.63	ug/L		06/25/26 22:18	06/30/26 12:57	1
1,2-Diphenylhydrazine(as Azobenzene)	1.0	U	1.0	0.20	ug/L		06/25/26 22:18	06/30/26 12:57	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.24	ug/L		06/25/26 22:18	06/30/26 12:57	1
2-Chloronaphthalene	0.19	U	0.19	0.059	ug/L		06/25/26 22:18	06/30/26 12:57	1
2-Chlorophenol	1.0	U	1.0	0.23	ug/L		06/25/26 22:18	06/30/26 12:57	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0	0.33	ug/L		06/25/26 22:18	06/30/26 12:57	1
2,4-Dichlorophenol	0.19	U	0.19	0.051	ug/L		06/25/26 22:18	06/30/26 12:57	1
2,4-Dimethylphenol	1.0	U	1.0	0.59	ug/L		06/25/26 22:18	06/30/26 12:57	1
2,4-Dinitrophenol	10	U	10	3.3	ug/L		06/25/26 22:18	06/30/26 12:57	1
2,4-Dinitrotoluene	1.0	U	1.0	0.35	ug/L		06/25/26 22:18	06/30/26 12:57	1
2,6-Dinitrotoluene	1.0	U	1.0	0.17	ug/L		06/25/26 22:18	06/30/26 12:57	1
2-Methylnaphthalene	0.19	U	0.19	0.062	ug/L		06/25/26 22:18	06/30/26 12:57	1
2-Methylphenol	1.0	U	1.0	0.56	ug/L		06/25/26 22:18	06/30/26 12:57	1
Methylphenol, 3 & 4	1.0	U	1.0	0.37	ug/L		06/25/26 22:18	06/30/26 12:57	1
2-Nitroaniline	5.0	U	5.0	0.55	ug/L		06/25/26 22:18	06/30/26 12:57	1
3-Nitroaniline	5.0	U	5.0	0.44	ug/L		06/25/26 22:18	06/30/26 12:57	1
4-Nitroaniline	5.0	U	5.0	0.36	ug/L		06/25/26 22:18	06/30/26 12:57	1
2-Nitrophenol	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 12:57	1
4-Nitrophenol	5.0	U	5.0	0.94	ug/L		06/25/26 22:18	06/30/26 12:57	1
2,2'-oxybis[1-chloropropane]	0.19	U	0.19	0.12	ug/L		06/25/26 22:18	06/30/26 12:57	1
2,4,5-Trichlorophenol	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 12:57	1
2,4,6-Trichlorophenol	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 12:57	1
4-Chloro-3-methylphenol	1.0	U	1.0	0.44	ug/L		06/25/26 22:18	06/30/26 12:57	1
4-Chlorophenyl phenyl ether	1.0	U	1.0	0.22	ug/L		06/25/26 22:18	06/30/26 12:57	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0	1.5	ug/L		06/25/26 22:18	06/30/26 12:57	1
Cresols, Total	2.0	U	2.0	0.77	ug/L		06/25/26 22:18	06/30/26 12:57	1
Acenaphthene	0.19	U	0.19	0.065	ug/L		06/25/26 22:18	06/30/26 12:57	1
Acenaphthylene	0.19	U	0.19	0.065	ug/L		06/25/26 22:18	06/30/26 12:57	1
Acetophenone	1.0	U	1.0	0.16	ug/L		06/25/26 22:18	06/30/26 12:57	1
Aniline	1.0	U	1.0	0.37	ug/L		06/25/26 22:18	06/30/26 12:57	1
Anthracene	0.19	U	0.19	0.049	ug/L		06/25/26 22:18	06/30/26 12:57	1
Atrazine	1.0	U	1.0	0.30	ug/L		06/25/26 22:18	06/30/26 12:57	1
Benzaldehyde	1.0	U	1.0	0.54	ug/L		06/25/26 22:18	06/30/26 12:57	1
Benzidine	20	U	20	9.1	ug/L		06/25/26 22:18	06/30/26 12:57	1
Benzo[a]anthracene	0.19	U	0.19	0.075	ug/L		06/25/26 22:18	06/30/26 12:57	1
Benzo[b]fluoranthene	0.19	U	0.19	0.097	ug/L		06/25/26 22:18	06/30/26 12:57	1
Benzo[k]fluoranthene	0.19	U	0.19	0.088	ug/L		06/25/26 22:18	06/30/26 12:57	1
Benzoic acid	5.0	U	5.0	2.5	ug/L		06/25/26 22:18	06/30/26 12:57	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.069	ug/L		06/25/26 22:18	06/30/26 12:57	1
Benzo[a]pyrene	0.19	U	0.19	0.13	ug/L		06/25/26 22:18	06/30/26 12:57	1
Bis(2-chloroethoxy)methane	1.0	U	1.0	0.15	ug/L		06/25/26 22:18	06/30/26 12:57	1
Bis(2-chloroethyl)ether	0.19	U	0.19	0.14	ug/L		06/25/26 22:18	06/30/26 12:57	1
Bis(2-ethylhexyl) phthalate	10	U	10	2.1	ug/L		06/25/26 22:18	06/30/26 12:57	1

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QC Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-515477/1-A

Matrix: Water

Analysis Batch: 515605

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 515477

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	1.0	U	1.0	0.32	ug/L		06/25/26 22:18	06/30/26 12:57	1
Butyl benzyl phthalate	2.0	U	2.0	0.94	ug/L		06/25/26 22:18	06/30/26 12:57	1
Caprolactam	5.0	U	5.0	0.68	ug/L		06/25/26 22:18	06/30/26 12:57	1
Carbazole	0.19	U	0.19	0.051	ug/L		06/25/26 22:18	06/30/26 12:57	1
4-Chloroaniline	1.0	U	1.0	0.38	ug/L		06/25/26 22:18	06/30/26 12:57	1
Chrysene	0.19	U	0.19	0.081	ug/L		06/25/26 22:18	06/30/26 12:57	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.072	ug/L		06/25/26 22:18	06/30/26 12:57	1
Dibenzofuran	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 12:57	1
Di-n-butyl phthalate	1.0	U	1.0	0.38	ug/L		06/25/26 22:18	06/30/26 12:57	1
Di-n-octyl phthalate	1.0	U	1.0	0.69	ug/L		06/25/26 22:18	06/30/26 12:57	1
Diethyl phthalate	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 12:57	1
Dimethyl phthalate	2.0	U	2.0	0.20	ug/L		06/25/26 22:18	06/30/26 12:57	1
Fluoranthene	0.19	U	0.19	0.060	ug/L		06/25/26 22:18	06/30/26 12:57	1
Fluorene	0.19	U	0.19	0.069	ug/L		06/25/26 22:18	06/30/26 12:57	1
Hexachlorobenzene	0.19	U	0.19	0.056	ug/L		06/25/26 22:18	06/30/26 12:57	1
Hexachlorobutadiene	0.19	U	0.19	0.16	ug/L		06/25/26 22:18	06/30/26 12:57	1
Hexachlorocyclopentadiene	1.0	U	1.0	0.50	ug/L		06/25/26 22:18	06/30/26 12:57	1
Hexachloroethane	1.0	U	1.0	0.32	ug/L		06/25/26 22:18	06/30/26 12:57	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.085	ug/L		06/25/26 22:18	06/30/26 12:57	1
Isophorone	1.0	U	1.0	0.19	ug/L		06/25/26 22:18	06/30/26 12:57	1
Naphthalene	0.19	U	0.19	0.059	ug/L		06/25/26 22:18	06/30/26 12:57	1
Nitrobenzene	2.0	U	2.0	0.50	ug/L		06/25/26 22:18	06/30/26 12:57	1
N-Nitrosodimethylamine	1.0	U	1.0	0.26	ug/L		06/25/26 22:18	06/30/26 12:57	1
N-Nitrosodiphenylamine	1.0	U	1.0	0.25	ug/L		06/25/26 22:18	06/30/26 12:57	1
N-Nitrosodi-n-propylamine	0.19	U	0.19	0.071	ug/L		06/25/26 22:18	06/30/26 12:57	1
Pentachlorophenol	5.0	U	5.0	0.85	ug/L		06/25/26 22:18	06/30/26 12:57	1
Phenanthrene	0.19	U	0.19	0.16	ug/L		06/25/26 22:18	06/30/26 12:57	1
Phenol	1.0	U	1.0	0.49	ug/L		06/25/26 22:18	06/30/26 12:57	1
Pyrene	0.19	U	0.19	0.11	ug/L		06/25/26 22:18	06/30/26 12:57	1
Pyridine	2.0	U	2.0	1.1	ug/L		06/25/26 22:18	06/30/26 12:57	1
Benzyl alcohol	5.0	U	5.0	1.7	ug/L		06/25/26 22:18	06/30/26 12:57	1
3,3'-Dichlorobenzidine	1.0	U	1.0	0.58	ug/L		06/25/26 22:18	06/30/26 12:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	85		27 - 105	06/25/26 22:18	06/30/26 12:57	1
2-Fluorophenol (Surr)	91		16 - 111	06/25/26 22:18	06/30/26 12:57	1
2,4,6-Tribromophenol (Surr)	90		18 - 128	06/25/26 22:18	06/30/26 12:57	1
Nitrobenzene-d5 (Surr)	88		22 - 113	06/25/26 22:18	06/30/26 12:57	1
Phenol-d5 (Surr)	91		27 - 105	06/25/26 22:18	06/30/26 12:57	1
Terphenyl-d14 (Surr)	90		24 - 128	06/25/26 22:18	06/30/26 12:57	1

Lab Sample ID: LCS 180-515477/2-A

Matrix: Water

Analysis Batch: 515605

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515477

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	20.0	13.3		ug/L		67	47 - 100
1,2-Dichlorobenzene	20.0	14.0		ug/L		70	51 - 100

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QC Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-515477/2-A

Matrix: Water

Analysis Batch: 515605

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515477

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4,5-Tetrachlorobenzene	20.0	13.0		ug/L		65	54 - 100
1,3-Dichlorobenzene	20.0	13.9		ug/L		70	51 - 100
1,4-Dichlorobenzene	20.0	14.0		ug/L		70	50 - 100
1,4-Dioxane	20.0	14.2		ug/L		71	39 - 111
1,2-Diphenylhydrazine(as Azobenzene)	20.0	14.9		ug/L		75	38 - 100
1,2,4-Trichlorobenzene	20.0	13.6		ug/L		68	51 - 100
2-Chloronaphthalene	20.0	13.1		ug/L		66	45 - 100
2-Chlorophenol	20.0	15.1		ug/L		76	53 - 100
2,3,4,6-Tetrachlorophenol	20.0	13.6		ug/L		68	54 - 100
2,4-Dichlorophenol	20.0	14.3		ug/L		71	55 - 100
2,4-Dimethylphenol	20.0	14.6		ug/L		73	51 - 100
2,4-Dinitrophenol	40.0	27.2		ug/L		68	32 - 111
2,4-Dinitrotoluene	20.0	15.0		ug/L		75	52 - 100
2,6-Dinitrotoluene	20.0	13.4		ug/L		67	49 - 101
2-Methylnaphthalene	20.0	13.7		ug/L		69	48 - 100
2-Methylphenol	20.0	15.5		ug/L		77	51 - 100
Methylphenol, 3 & 4	20.0	15.3		ug/L		77	51 - 100
2-Nitroaniline	20.0	15.5		ug/L		77	47 - 104
3-Nitroaniline	20.0	15.0		ug/L		75	49 - 100
4-Nitroaniline	20.0	15.2		ug/L		76	47 - 100
2-Nitrophenol	20.0	14.9		ug/L		74	56 - 100
4-Nitrophenol	40.0	29.8		ug/L		74	43 - 113
2,2'-oxybis[1-chloropropane]	20.0	16.2		ug/L		81	33 - 102
2,4,5-Trichlorophenol	20.0	14.1		ug/L		70	55 - 100
2,4,6-Trichlorophenol	20.0	14.3		ug/L		71	54 - 100
4-Chloro-3-methylphenol	20.0	14.7		ug/L		73	53 - 100
4-Chlorophenyl phenyl ether	20.0	13.7		ug/L		68	48 - 100
4,6-Dinitro-2-methylphenol	40.0	29.4		ug/L		73	48 - 100
Cresols, Total	40.0	30.8		ug/L		77	42 - 100
Acenaphthene	20.0	13.2		ug/L		66	51 - 100
Acenaphthylene	20.0	13.2		ug/L		66	50 - 100
Acetophenone	20.0	15.4		ug/L		77	46 - 100
Aniline	20.0	14.9		ug/L		74	42 - 100
Anthracene	20.0	13.8		ug/L		69	49 - 100
Atrazine	20.0	14.5		ug/L		72	54 - 100
Benzaldehyde	20.0	10.8		ug/L		54	15 - 100
Benzidine	20.0	9.90	J	ug/L		50	31 - 115
Benzo[a]anthracene	20.0	13.3		ug/L		66	52 - 100
Benzo[b]fluoranthene	20.0	12.9		ug/L		65	50 - 100
Benzo[k]fluoranthene	20.0	13.2		ug/L		66	42 - 100
Benzoic acid	20.0	16.5		ug/L		83	43 - 114
Benzo[g,h,i]perylene	20.0	13.0		ug/L		65	45 - 100
Benzo[a]pyrene	20.0	13.4		ug/L		67	47 - 100
Bis(2-chloroethoxy)methane	20.0	12.6		ug/L		63	36 - 100
Bis(2-chloroethyl)ether	20.0	15.4		ug/L		77	42 - 100
Bis(2-ethylhexyl) phthalate	20.0	14.2		ug/L		71	42 - 108
4-Bromophenyl phenyl ether	20.0	13.7		ug/L		68	50 - 100
Butyl benzyl phthalate	20.0	14.0		ug/L		70	44 - 106

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QC Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-515477/2-A

Matrix: Water

Analysis Batch: 515605

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515477

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Caprolactam	20.0	18.3		ug/L		92	46 - 105
Carbazole	20.0	14.3		ug/L		71	47 - 100
4-Chloroaniline	20.0	14.3		ug/L		72	48 - 100
Chrysene	20.0	13.1		ug/L		66	44 - 100
Dibenz(a,h)anthracene	20.0	13.7		ug/L		68	52 - 101
Dibenzofuran	20.0	13.3		ug/L		67	47 - 100
Di-n-butyl phthalate	20.0	14.7		ug/L		73	50 - 100
Di-n-octyl phthalate	20.0	13.7		ug/L		69	21 - 130
Diethyl phthalate	20.0	14.0		ug/L		70	52 - 100
Dimethyl phthalate	20.0	13.8		ug/L		69	51 - 100
Fluoranthene	20.0	14.1		ug/L		70	50 - 100
Fluorene	20.0	13.2		ug/L		66	49 - 100
Hexachlorobenzene	20.0	13.6		ug/L		68	46 - 100
Hexachlorobutadiene	20.0	13.7		ug/L		69	46 - 101
Hexachlorocyclopentadiene	20.0	12.5		ug/L		63	24 - 113
Hexachloroethane	20.0	14.7		ug/L		73	46 - 100
Indeno[1,2,3-cd]pyrene	20.0	14.1		ug/L		70	48 - 100
Isophorone	20.0	15.0		ug/L		75	42 - 100
Naphthalene	20.0	13.3		ug/L		67	53 - 100
Nitrobenzene	20.0	14.5		ug/L		73	47 - 100
N-Nitrosodimethylamine	20.0	16.1		ug/L		81	44 - 123
N-Nitrosodiphenylamine	20.0	14.3		ug/L		71	48 - 100
N-Nitrosodi-n-propylamine	20.0	15.5		ug/L		78	47 - 103
Pentachlorophenol	40.0	26.9		ug/L		67	42 - 102
Phenanthrene	20.0	13.8		ug/L		69	47 - 100
Phenol	20.0	15.1		ug/L		75	41 - 100
Pyrene	20.0	13.3		ug/L		66	46 - 100
Pyridine	40.0	29.4		ug/L		73	24 - 127
Benzyl alcohol	20.0	15.6		ug/L		78	33 - 107
3,3'-Dichlorobenzidine	20.0	13.5		ug/L		68	42 - 100

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	66		27 - 105
2-Fluorophenol (Surr)	79		16 - 111
2,4,6-Tribromophenol (Surr)	73		18 - 128
Nitrobenzene-d5 (Surr)	73		22 - 113
Phenol-d5 (Surr)	77		27 - 105
Terphenyl-d14 (Surr)	67		24 - 128

Method: EPA 8081B LL - Organochlorine Pesticides (GC)

Lab Sample ID: MB 180-515476/1-A

Matrix: Water

Analysis Batch: 515650

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 515476

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	0.0013	U	0.0013	0.00036	ug/L		06/25/26 22:07	07/01/26 08:59	1
alpha-BHC (1C)	0.0013	U	0.0013	0.00024	ug/L		06/25/26 22:07	07/01/26 08:59	1
beta-BHC (1C)	0.0013	U	0.0013	0.00037	ug/L		06/25/26 22:07	07/01/26 08:59	1

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QC Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Method: EPA 8081B LL - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 180-515476/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 515650

Prep Batch: 515476

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC (1C)	0.0013	U	0.0013	0.00064	ug/L		06/25/26 22:07	07/01/26 08:59	1
gamma-BHC (Lindane) (1C)	0.0013	U	0.0013	0.00029	ug/L		06/25/26 22:07	07/01/26 08:59	1
cis-Chlordane (1C)	0.0013	U	0.0013	0.00037	ug/L		06/25/26 22:07	07/01/26 08:59	1
trans-Chlordane (1C)	0.0013	U	0.0013	0.00093	ug/L		06/25/26 22:07	07/01/26 08:59	1
Chlordane (technical) (1C)	0.013	U	0.013	0.0073	ug/L		06/25/26 22:07	07/01/26 08:59	1
4,4'-DDD (1C)	0.0013	U	0.0013	0.00053	ug/L		06/25/26 22:07	07/01/26 08:59	1
4,4'-DDE (1C)	0.0013	U	0.0013	0.00072	ug/L		06/25/26 22:07	07/01/26 08:59	1
4,4'-DDT (1C)	0.0013	U	0.0013	0.00069	ug/L		06/25/26 22:07	07/01/26 08:59	1
Dieldrin (1C)	0.0013	U	0.0013	0.00027	ug/L		06/25/26 22:07	07/01/26 08:59	1
Endosulfan I (1C)	0.0013	U	0.0013	0.00069	ug/L		06/25/26 22:07	07/01/26 08:59	1
Endosulfan II (1C)	0.0013	U	0.0013	0.00094	ug/L		06/25/26 22:07	07/01/26 08:59	1
Endosulfan sulfate (1C)	0.0013	U	0.0013	0.00064	ug/L		06/25/26 22:07	07/01/26 08:59	1
Endrin (1C)	0.0013	U	0.0013	0.00023	ug/L		06/25/26 22:07	07/01/26 08:59	1
Endrin aldehyde (1C)	0.0013	U	0.0013	0.00052	ug/L		06/25/26 22:07	07/01/26 08:59	1
Endrin ketone (1C)	0.0013	U	0.0013	0.00099	ug/L		06/25/26 22:07	07/01/26 08:59	1
Heptachlor (1C)	0.0013	U	0.0013	0.00045	ug/L		06/25/26 22:07	07/01/26 08:59	1
Heptachlor epoxide (1C)	0.0013	U	0.0013	0.00034	ug/L		06/25/26 22:07	07/01/26 08:59	1
Methoxychlor (1C)	0.0013	U	0.0013	0.00078	ug/L		06/25/26 22:07	07/01/26 08:59	1
Mirex (1C)	0.0013	U	0.0013	0.00047	ug/L		06/25/26 22:07	07/01/26 08:59	1
Toxaphene (1C)	0.10	U	0.10	0.049	ug/L		06/25/26 22:07	07/01/26 08:59	1
Endosulfan, Total (1C)	0.0026	U	0.0026	0.0010	ug/L		06/25/26 22:07	07/01/26 08:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr) (1C)	96		11 - 150	06/25/26 22:07	07/01/26 08:59	1
Tetrachloro-m-xylene (Surr) (2C)	97		11 - 150	06/25/26 22:07	07/01/26 08:59	1
DCB Decachlorobiphenyl (Surr) (1C)	79		17 - 142	06/25/26 22:07	07/01/26 08:59	1
DCB Decachlorobiphenyl (Surr) (2C)	83		17 - 142	06/25/26 22:07	07/01/26 08:59	1

Lab Sample ID: LCS 180-515476/4-A

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 515650

Prep Batch: 515476

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin (2C)	0.0250	0.0241		ug/L		96	55 - 119
alpha-BHC (2C)	0.0250	0.0230		ug/L		92	56 - 123
beta-BHC (1C)	0.0250	0.0246		ug/L		99	49 - 116
delta-BHC (1C)	0.0250	0.0146		ug/L		58	44 - 110
gamma-BHC (Lindane) (2C)	0.0250	0.0241		ug/L		96	55 - 122
cis-Chlordane (2C)	0.0250	0.0240		ug/L		96	55 - 125
trans-Chlordane (2C)	0.0250	0.0257		ug/L		103	57 - 127
4,4'-DDD (2C)	0.0250	0.0248		ug/L		99	50 - 113
4,4'-DDE (2C)	0.0250	0.0235		ug/L		94	52 - 108
4,4'-DDT (2C)	0.0250	0.0304		ug/L		122	40 - 124
Dieldrin (2C)	0.0250	0.0237		ug/L		95	57 - 122
Endosulfan I (1C)	0.0250	0.0241		ug/L		96	46 - 142
Endosulfan II (2C)	0.0250	0.0244		ug/L		98	52 - 121
Endosulfan sulfate (2C)	0.0250	0.0233		ug/L		93	37 - 124
Endrin (1C)	0.0250	0.0255		ug/L		102	58 - 124

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Job ID: 630-138167-3

Method: EPA 8081B LL - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 180-515476/4-A

Matrix: Water

Analysis Batch: 515650

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515476

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Endrin aldehyde (2C)	0.0250	0.0270		ug/L		108	42 - 125
Endrin ketone (2C)	0.0250	0.0280		ug/L		112	46 - 128
Heptachlor (2C)	0.0250	0.0284		ug/L		113	53 - 131
Heptachlor epoxide (2C)	0.0250	0.0247		ug/L		99	58 - 125
Methoxychlor (2C)	0.0250	0.0322		ug/L		129	33 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene (Surr) (1C)	91		11 - 150
Tetrachloro-m-xylene (Surr) (2C)	92		11 - 150
DCB Decachlorobiphenyl (Surr) (1C)	79		17 - 142
DCB Decachlorobiphenyl (Surr) (2C)	81		17 - 142

Lab Sample ID: LCSD 180-515476/5-A

Matrix: Water

Analysis Batch: 515650

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 515476

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin (2C)	0.0250	0.0248		ug/L		99	55 - 119	3	16
alpha-BHC (1C)	0.0250	0.0239		ug/L		96	56 - 123	4	15
beta-BHC (1C)	0.0250	0.0257		ug/L		103	49 - 116	4	18
delta-BHC (1C)	0.0250	0.0151		ug/L		60	44 - 110	4	19
gamma-BHC (Lindane) (2C)	0.0250	0.0251		ug/L		101	55 - 122	4	15
cis-Chlordane (2C)	0.0250	0.0250		ug/L		100	55 - 125	4	17
trans-Chlordane (2C)	0.0250	0.0269		ug/L		108	57 - 127	5	17
4,4'-DDD (2C)	0.0250	0.0267		ug/L		107	50 - 113	7	19
4,4'-DDE (2C)	0.0250	0.0249		ug/L		100	52 - 108	6	16
4,4'-DDT (1C)	0.0250	0.0304		ug/L		122	40 - 124	0	19
Dieldrin (2C)	0.0250	0.0258		ug/L		103	57 - 122	8	30
Endosulfan I (2C)	0.0250	0.0251		ug/L		100	46 - 142	4	26
Endosulfan II (2C)	0.0250	0.0270		ug/L		108	52 - 121	10	17
Endosulfan sulfate (2C)	0.0250	0.0257		ug/L		103	37 - 124	10	31
Endrin (2C)	0.0250	0.0278		ug/L		111	58 - 124	9	19
Endrin aldehyde (2C)	0.0250	0.0293		ug/L		117	42 - 125	8	29
Endrin ketone (2C)	0.0250	0.0306		ug/L		122	46 - 128	9	35
Heptachlor (2C)	0.0250	0.0292		ug/L		117	53 - 131	3	15
Heptachlor epoxide (2C)	0.0250	0.0256		ug/L		102	58 - 125	4	17
Methoxychlor (2C)	0.0250	0.0351	*+	ug/L		140	33 - 132	9	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene (Surr) (1C)	95		11 - 150
Tetrachloro-m-xylene (Surr) (2C)	95		11 - 150
DCB Decachlorobiphenyl (Surr) (1C)	85		17 - 142

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Job ID: 630-138167-3

Method: EPA 8081B LL - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 180-515476/5-A

Matrix: Water

Analysis Batch: 515650

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 515476

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (2C)	88		17 - 142

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 180-515476/1-A

Matrix: Water

Analysis Batch: 515649

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 515476

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
PCB-1016 (1C)	0.010	U	0.010	0.0048	ug/L		06/25/26 22:07	07/01/26 09:26	1	
PCB-1221 (1C)	0.010	U	0.010	0.0057	ug/L		06/25/26 22:07	07/01/26 09:26	1	
PCB-1232 (1C)	0.010	U	0.010	0.0052	ug/L		06/25/26 22:07	07/01/26 09:26	1	
PCB-1242 (1C)	0.010	U	0.010	0.0036	ug/L		06/25/26 22:07	07/01/26 09:26	1	
PCB-1248 (1C)	0.010	U	0.010	0.0080	ug/L		06/25/26 22:07	07/01/26 09:26	1	
PCB-1254 (1C)	0.010	U	0.010	0.0046	ug/L		06/25/26 22:07	07/01/26 09:26	1	
PCB-1260 (1C)	0.010	U	0.010	0.0039	ug/L		06/25/26 22:07	07/01/26 09:26	1	

Surrogate	MB	MB								
	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
DCB Decachlorobiphenyl (Surr) (1C)	97		23 - 133	06/25/26 22:07	07/01/26 09:26	1				
DCB Decachlorobiphenyl (Surr) (2C)	95		23 - 133	06/25/26 22:07	07/01/26 09:26	1				
Tetrachloro-m-xylene (Surr) (1C)	65		20 - 133	06/25/26 22:07	07/01/26 09:26	1				
Tetrachloro-m-xylene (Surr) (2C)	63		20 - 133	06/25/26 22:07	07/01/26 09:26	1				

Lab Sample ID: LCS 180-515476/2-A

Matrix: Water

Analysis Batch: 515649

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515476

Analyte	Spike	LCS	LCS							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits		
PCB-1016 (1C)	1.00	0.475		ug/L		48		42 - 119		
PCB-1260 (2C)	1.00	0.836		ug/L		84		47 - 107		

Surrogate	LCS	LCS								
	%Recovery	Qualifier	Limits							
DCB Decachlorobiphenyl (Surr) (1C)	88		23 - 133							
DCB Decachlorobiphenyl (Surr) (2C)	85		23 - 133							
Tetrachloro-m-xylene (Surr) (1C)	59		20 - 133							
Tetrachloro-m-xylene (Surr) (2C)	58		20 - 133							

Lab Sample ID: LCSD 180-515476/3-A

Matrix: Water

Analysis Batch: 515649

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 515476

Analyte	Spike	LCSD	LCSD								
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	RPD	RPD	Limit
PCB-1016 (1C)	1.00	0.494		ug/L		49		42 - 119	4		23
PCB-1260 (2C)	1.00	0.890		ug/L		89		47 - 107	6		22

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QC Sample Results

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCSD 180-515476/3-A

Matrix: Water

Analysis Batch: 515649

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 515476

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	91		23 - 133
DCB Decachlorobiphenyl (Surr) (2C)	86		23 - 133
Tetrachloro-m-xylene (Surr) (1C)	60		20 - 133
Tetrachloro-m-xylene (Surr) (2C)	58		20 - 133

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-845388/1-A

Matrix: Water

Analysis Batch: 846889

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 845388

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	25	U	25	12	ug/L		07/06/26 09:38	07/06/26 18:28	1
Antimony	1.0	U	1.0	0.20	ug/L		07/06/26 09:38	07/06/26 18:28	1
Arsenic	2.0	U	2.0	0.68	ug/L		07/06/26 09:38	07/06/26 18:28	1
Barium	2.0	U	2.0	0.75	ug/L		07/06/26 09:38	07/06/26 18:28	1
Beryllium	0.50	U	0.50	0.12	ug/L		07/06/26 09:38	07/06/26 18:28	1
Cadmium	0.50	U	0.50	0.15	ug/L		07/06/26 09:38	07/06/26 18:28	1
Calcium	100	U	100	50	ug/L		07/06/26 09:38	07/06/26 18:28	1
Chromium	2.0	U	2.0	0.55	ug/L		07/06/26 09:38	07/06/26 18:28	1
Cobalt	0.50	U	0.50	0.16	ug/L		07/06/26 09:38	07/06/26 18:28	1
Copper	1.0	U	1.0	0.85	ug/L		07/06/26 09:38	07/06/26 18:28	1
Iron	50	U	50	20	ug/L		07/06/26 09:38	07/06/26 18:28	1
Lead	0.50	U	0.50	0.12	ug/L		07/06/26 09:38	07/06/26 18:28	1
Magnesium	50	U	50	16	ug/L		07/06/26 09:38	07/06/26 18:28	1
Manganese	2.0	U	2.0	1.2	ug/L		07/06/26 09:38	07/06/26 18:28	1
Nickel	1.0	U	1.0	0.40	ug/L		07/06/26 09:38	07/06/26 18:28	1
Potassium	200	U	200	65	ug/L		07/06/26 09:38	07/06/26 18:28	1
Selenium	1.0	U	1.0	0.28	ug/L		07/06/26 09:38	07/06/26 18:28	1
Silver	0.50	U	0.50	0.10	ug/L		07/06/26 09:38	07/06/26 18:28	1
Sodium	200	U	200	90	ug/L		07/06/26 09:38	07/06/26 18:28	1
Thallium	0.50	U	0.50	0.13	ug/L		07/06/26 09:38	07/06/26 18:28	1
Zinc	10	U	10	4.0	ug/L		07/06/26 09:38	07/06/26 18:28	1
Vanadium	4.0	U	4.0	0.79	ug/L		07/06/26 09:38	07/06/26 18:28	1

Lab Sample ID: LCS 410-845388/2-A

Matrix: Water

Analysis Batch: 846889

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 845388

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5000	5200		ug/L		104	83 - 114
Antimony	100	107		ug/L		107	85 - 115
Arsenic	500	515		ug/L		103	86 - 111
Barium	500	533		ug/L		107	86 - 114
Beryllium	50.0	49.3		ug/L		99	80 - 120
Cadmium	50.0	50.2		ug/L		100	86 - 114

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Job ID: 630-138167-3

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-845388/2-A

Matrix: Water

Analysis Batch: 846889

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 845388

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	5000	5190		ug/L		104	84 - 113
Chromium	500	486		ug/L		97	84 - 113
Cobalt	500	537		ug/L		107	85 - 112
Copper	500	529		ug/L		106	86 - 111
Iron	5000	5080		ug/L		102	84 - 114
Lead	50.0	52.2		ug/L		104	86 - 114
Magnesium	5000	5240		ug/L		105	84 - 113
Manganese	500	516		ug/L		103	84 - 113
Nickel	500	512		ug/L		102	85 - 113
Potassium	5000	5270		ug/L		105	87 - 111
Selenium	100	104		ug/L		104	86 - 111
Silver	50.0	51.8		ug/L		104	88 - 116
Sodium	5000	5320		ug/L		106	84 - 114
Thallium	100	104		ug/L		104	86 - 113
Zinc	500	511		ug/L		102	86 - 112
Vanadium	500	516		ug/L		103	84 - 112

Lab Sample ID: MB 410-845411/1-A

Matrix: Water

Analysis Batch: 846032

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 845411

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	25	U	25	12	ug/L		07/02/26 09:14	07/02/26 19:14	1
Antimony	1.0	U	1.0	0.20	ug/L		07/02/26 09:14	07/02/26 19:14	1
Arsenic	2.0	U	2.0	0.68	ug/L		07/02/26 09:14	07/02/26 19:14	1
Barium	2.0	U	2.0	0.75	ug/L		07/02/26 09:14	07/02/26 19:14	1
Cadmium	0.50	U	0.50	0.15	ug/L		07/02/26 09:14	07/02/26 19:14	1
Calcium	100	U	100	50	ug/L		07/02/26 09:14	07/02/26 19:14	1
Chromium	2.0	U	2.0	0.55	ug/L		07/02/26 09:14	07/02/26 19:14	1
Cobalt	0.50	U	0.50	0.16	ug/L		07/02/26 09:14	07/02/26 19:14	1
Copper	1.0	U	1.0	0.85	ug/L		07/02/26 09:14	07/02/26 19:14	1
Iron	50	U	50	20	ug/L		07/02/26 09:14	07/02/26 19:14	1
Lead	0.50	U	0.50	0.12	ug/L		07/02/26 09:14	07/02/26 19:14	1
Magnesium	50	U	50	16	ug/L		07/02/26 09:14	07/02/26 19:14	1
Manganese	2.0	U	2.0	1.2	ug/L		07/02/26 09:14	07/02/26 19:14	1
Nickel	1.0	U	1.0	0.40	ug/L		07/02/26 09:14	07/02/26 19:14	1
Potassium	200	U	200	65	ug/L		07/02/26 09:14	07/02/26 19:14	1
Selenium	1.0	U	1.0	0.28	ug/L		07/02/26 09:14	07/02/26 19:14	1
Silver	0.50	U	0.50	0.10	ug/L		07/02/26 09:14	07/02/26 19:14	1
Sodium	200	U	200	90	ug/L		07/02/26 09:14	07/02/26 19:14	1
Thallium	0.50	U	0.50	0.13	ug/L		07/02/26 09:14	07/02/26 19:14	1
Zinc	10	U	10	4.0	ug/L		07/02/26 09:14	07/02/26 19:14	1
Vanadium	4.0	U	4.0	0.79	ug/L		07/02/26 09:14	07/02/26 19:14	1

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Job ID: 630-138167-3

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-845411/1-A
Matrix: Water
Analysis Batch: 846039

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 845411

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.50	U	0.50	0.12	ug/L		07/02/26 09:14	07/02/26 21:20	1

Lab Sample ID: LCS 410-845411/2-A
Matrix: Water
Analysis Batch: 846032

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 845411

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5000	5200		ug/L		104	83 - 114
Antimony	100	104		ug/L		104	85 - 115
Arsenic	500	508		ug/L		102	86 - 111
Barium	500	511		ug/L		102	86 - 114
Cadmium	50.0	52.6		ug/L		105	86 - 114
Calcium	5000	5140		ug/L		103	84 - 113
Chromium	500	510		ug/L		102	84 - 113
Cobalt	500	513		ug/L		103	85 - 112
Copper	500	509		ug/L		102	86 - 111
Iron	5000	5120		ug/L		102	84 - 114
Lead	50.0	54.0		ug/L		108	86 - 114
Magnesium	5000	5300		ug/L		106	84 - 113
Manganese	500	516		ug/L		103	84 - 113
Nickel	500	516		ug/L		103	85 - 113
Potassium	5000	5200		ug/L		104	87 - 111
Selenium	100	102		ug/L		102	86 - 111
Silver	50.0	55.2		ug/L		110	88 - 116
Sodium	5000	5250		ug/L		105	84 - 114
Thallium	100	103		ug/L		103	86 - 113
Zinc	500	527		ug/L		105	86 - 112
Vanadium	500	519		ug/L		104	84 - 112

Lab Sample ID: LCS 410-845411/2-A
Matrix: Water
Analysis Batch: 846039

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 845411

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	50.0	46.5		ug/L		93	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 410-843692/14-A
Matrix: Water
Analysis Batch: 844805

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 843692

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.087	ug/L		06/30/26 17:28	06/30/26 23:58	1

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Job ID: 630-138167-3

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 410-843692/15-A
Matrix: Water
Analysis Batch: 844805

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 843692

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	1.05		ug/L		105	80 - 120

Lab Sample ID: MB 410-843693/14-A
Matrix: Water
Analysis Batch: 844805

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 843693

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.087	ug/L		06/30/26 17:28	06/30/26 22:19	1

Lab Sample ID: LCS 410-843693/15-A
Matrix: Water
Analysis Batch: 844805

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 843693

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	1.05		ug/L		105	80 - 120

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-515469/12
Matrix: Water
Analysis Batch: 515469

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	10	U	10	6.0	ug/L			06/25/26 16:37	1

Lab Sample ID: LCS 180-515469/13
Matrix: Water
Analysis Batch: 515469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	500	516		ug/L		103	85 - 115

Lab Sample ID: 630-138167-24 MS
Matrix: MET, Total
Analysis Batch: 515469

Client Sample ID: SC-1 COMPOSITE ELUTRIATE TOTAL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	10	U F1	500	423		ug/L		85	85 - 115

Lab Sample ID: 630-138167-24 MSD
Matrix: MET, Total
Analysis Batch: 515469

Client Sample ID: SC-1 COMPOSITE ELUTRIATE TOTAL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	10	U F1	500	410	F1	ug/L		82	85 - 115	3	20

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QC Sample Results

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Job ID: 630-138167-3

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-515501/4-A
Matrix: Water
Analysis Batch: 515513

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 515501

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	10	U	10	8.0	ug/L		06/26/26 14:36	06/27/26 12:29	1

Lab Sample ID: HLCS 180-515501/2-A
Matrix: Water
Analysis Batch: 515513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 515501

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	250	248		ug/L		99	90 - 110

Lab Sample ID: LCS 180-515501/3-A
Matrix: Water
Analysis Batch: 515513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 515501

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	200	196		ug/L		98	85 - 115

Lab Sample ID: LLCS 180-515501/1-A
Matrix: Water
Analysis Batch: 515513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 515501

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	50.0	50.6		ug/L		101	90 - 110

QC Association Summary

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

GC/MS Semi VOA

Prep Batch: 515477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-24	SC-1 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	3520C	
630-138167-26	SC-2 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	3520C	
630-138167-28	SC-3 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	3520C	
630-138167-30	C-4 DISCRETE ELUTRIATE TOTAL	Total/NA	MET, Total	3520C	
MB 180-515477/1-A	Method Blank	Total/NA	Water	3520C	
LCS 180-515477/2-A	Lab Control Sample	Total/NA	Water	3520C	

Analysis Batch: 515605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-24	SC-1 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 8270E LL	515477
630-138167-26	SC-2 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 8270E LL	515477
630-138167-28	SC-3 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 8270E LL	515477
630-138167-30	C-4 DISCRETE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 8270E LL	515477
MB 180-515477/1-A	Method Blank	Total/NA	Water	EPA 8270E LL	515477
LCS 180-515477/2-A	Lab Control Sample	Total/NA	Water	EPA 8270E LL	515477

GC Semi VOA

Prep Batch: 515476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-24	SC-1 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	3510C	
630-138167-26	SC-2 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	3510C	
630-138167-28	SC-3 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	3510C	
630-138167-30	C-4 DISCRETE ELUTRIATE TOTAL	Total/NA	MET, Total	3510C	
MB 180-515476/1-A	Method Blank	Total/NA	Water	3510C	
LCS 180-515476/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 180-515476/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 180-515476/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 180-515476/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 515649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-24	SC-1 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 8082A	515476
630-138167-26	SC-2 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 8082A	515476
630-138167-28	SC-3 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 8082A	515476
630-138167-30	C-4 DISCRETE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 8082A	515476
MB 180-515476/1-A	Method Blank	Total/NA	Water	EPA 8082A	515476
LCS 180-515476/2-A	Lab Control Sample	Total/NA	Water	EPA 8082A	515476
LCSD 180-515476/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 8082A	515476

Analysis Batch: 515650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-24	SC-1 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 8081B LL	515476
630-138167-26	SC-2 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 8081B LL	515476
630-138167-28	SC-3 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 8081B LL	515476
630-138167-30	C-4 DISCRETE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 8081B LL	515476
MB 180-515476/1-A	Method Blank	Total/NA	Water	EPA 8081B LL	515476
LCS 180-515476/4-A	Lab Control Sample	Total/NA	Water	EPA 8081B LL	515476
LCSD 180-515476/5-A	Lab Control Sample Dup	Total/NA	Water	EPA 8081B LL	515476

EurofinsPhiladelphia

QC Association Summary

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Job ID: 630-138167-3

GC Semi VOA

Analysis Batch: 515733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-24	SC-1 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	PCB	
630-138167-26	SC-2 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	PCB	
630-138167-28	SC-3 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	PCB	
630-138167-30	C-4 DISCRETE ELUTRIATE TOTAL	Total/NA	MET, Total	PCB	

Metals

Prep Batch: 843692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-26	SC-2 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	7470A	
630-138167-28	SC-3 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	7470A	
630-138167-30	C-4 DISCRETE ELUTRIATE TOTAL	Total/NA	MET, Total	7470A	
MB 410-843692/14-A	Method Blank	Total/NA	Water	7470A	
LCS 410-843692/15-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 843693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-24	SC-1 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	7470A	
MB 410-843693/14-A	Method Blank	Total/NA	Water	7470A	
LCS 410-843693/15-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 844805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-24	SC-1 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	7470A	843693
630-138167-26	SC-2 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	7470A	843692
630-138167-28	SC-3 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	7470A	843692
630-138167-30	C-4 DISCRETE ELUTRIATE TOTAL	Total/NA	MET, Total	7470A	843692
MB 410-843692/14-A	Method Blank	Total/NA	Water	7470A	843692
MB 410-843693/14-A	Method Blank	Total/NA	Water	7470A	843693
LCS 410-843692/15-A	Lab Control Sample	Total/NA	Water	7470A	843692
LCS 410-843693/15-A	Lab Control Sample	Total/NA	Water	7470A	843693

Prep Batch: 845388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-24	SC-1 COMPOSITE ELUTRIATE TOTAL	Total Recoverable	MET, Total	3005A	
630-138167-26	SC-2 COMPOSITE ELUTRIATE TOTAL	Total Recoverable	MET, Total	3005A	
630-138167-30	C-4 DISCRETE ELUTRIATE TOTAL	Total Recoverable	MET, Total	3005A	
MB 410-845388/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-845388/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 845411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-28	SC-3 COMPOSITE ELUTRIATE TOTAL	Total Recoverable	MET, Total	3005A	
MB 410-845411/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-845411/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 846032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-28	SC-3 COMPOSITE ELUTRIATE TOTAL	Total Recoverable	MET, Total	6020B	845411
MB 410-845411/1-A	Method Blank	Total Recoverable	Water	6020B	845411
LCS 410-845411/2-A	Lab Control Sample	Total Recoverable	Water	6020B	845411

EurofinsPhiladelphia

QC Association Summary

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Metals

Analysis Batch: 846039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-28	SC-3 COMPOSITE ELUTRIATE TOTAL	Total Recoverable	MET, Total	6020B	845411
MB 410-845411/1-A	Method Blank	Total Recoverable	Water	6020B	845411
LCS 410-845411/2-A	Lab Control Sample	Total Recoverable	Water	6020B	845411

Analysis Batch: 846889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-24	SC-1 COMPOSITE ELUTRIATE TOTAL	Total Recoverable	MET, Total	6020B	845388
630-138167-26	SC-2 COMPOSITE ELUTRIATE TOTAL	Total Recoverable	MET, Total	6020B	845388
630-138167-30	C-4 DISCRETE ELUTRIATE TOTAL	Total Recoverable	MET, Total	6020B	845388
MB 410-845388/1-A	Method Blank	Total Recoverable	Water	6020B	845388
LCS 410-845388/2-A	Lab Control Sample	Total Recoverable	Water	6020B	845388

Analysis Batch: 848361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-26	SC-2 COMPOSITE ELUTRIATE TOTAL	Total Recoverable	MET, Total	6020B	845388

General Chemistry

Analysis Batch: 515469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-24	SC-1 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 7196A	
630-138167-26	SC-2 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 7196A	
630-138167-28	SC-3 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 7196A	
630-138167-30	C-4 DISCRETE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 7196A	
MB 180-515469/12	Method Blank	Total/NA	Water	EPA 7196A	
LCS 180-515469/13	Lab Control Sample	Total/NA	Water	EPA 7196A	
630-138167-24 MS	SC-1 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 7196A	
630-138167-24 MSD	SC-1 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 7196A	

Prep Batch: 515501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-24	SC-1 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	9010C	
630-138167-26	SC-2 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	9010C	
630-138167-28	SC-3 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	9010C	
630-138167-30	C-4 DISCRETE ELUTRIATE TOTAL	Total/NA	MET, Total	9010C	
MB 180-515501/4-A	Method Blank	Total/NA	Water	9010C	
HLCS 180-515501/2-A	Lab Control Sample	Total/NA	Water	9010C	
LCS 180-515501/3-A	Lab Control Sample	Total/NA	Water	9010C	
LLCS 180-515501/1-A	Lab Control Sample	Total/NA	Water	9010C	

Analysis Batch: 515513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-24	SC-1 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 9014	515501
630-138167-26	SC-2 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 9014	515501
630-138167-28	SC-3 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 9014	515501
630-138167-30	C-4 DISCRETE ELUTRIATE TOTAL	Total/NA	MET, Total	EPA 9014	515501
MB 180-515501/4-A	Method Blank	Total/NA	Water	EPA 9014	515501
HLCS 180-515501/2-A	Lab Control Sample	Total/NA	Water	EPA 9014	515501
LCS 180-515501/3-A	Lab Control Sample	Total/NA	Water	EPA 9014	515501
LLCS 180-515501/1-A	Lab Control Sample	Total/NA	Water	EPA 9014	515501

EurofinsPhiladelphia

QC Association Summary

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

General Chemistry

Analysis Batch: 515529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-138167-24	SC-1 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	7196A	
630-138167-26	SC-2 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	7196A	
630-138167-28	SC-3 COMPOSITE ELUTRIATE TOTAL	Total/NA	MET, Total	7196A	
630-138167-30	C-4 DISCRETE ELUTRIATE TOTAL	Total/NA	MET, Total	7196A	

Lab Chronicle

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Job ID: 630-138167-3

Client Sample ID: SC-1 COMPOSITE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-24

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3520C			515477	VJC	EET PIT	06/25/26 22:18
Total/NA	Analysis	EPA 8270E LL		1	515605	VVP	EET PIT	06/30/26 19:54
Total/NA	Prep	3510C			515476	VJC	EET PIT	06/25/26 22:07
Total/NA	Analysis	EPA 8081B LL		1	515650	JMO	EET PIT	07/01/26 09:54
Total/NA	Prep	3510C			515476	VJC	EET PIT	06/25/26 22:07
Total/NA	Analysis	EPA 8082A		1	515649	JMO	EET PIT	07/01/26 09:44
Total/NA	Analysis	PCB		1	515733	SAB	EET PIT	07/01/26 09:44
Total Recoverable	Prep	3005A			845388	RFN5	ELLE	07/06/26 09:38
Total Recoverable	Analysis	6020B		1	846889	I9IN	ELLE	07/06/26 19:04
Total/NA	Prep	7470A			843693	HNC4	ELLE	06/30/26 17:28
Total/NA	Analysis	7470A		1	844805	HNC4	ELLE	06/30/26 23:44
Total/NA	Analysis	7196A		1	515529	PS1	EET PIT	07/09/26 23:21
Total/NA	Analysis	EPA 7196A		1	515469	RAO	EET PIT	06/25/26 16:39
Total/NA	Prep	9010C			515501	RAO	EET PIT	06/26/26 14:36
Total/NA	Analysis	EPA 9014		1	515513	RAO	EET PIT	06/27/26 13:10

Client Sample ID: SC-2 COMPOSITE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-26

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3520C			515477	VJC	EET PIT	06/25/26 22:18
Total/NA	Analysis	EPA 8270E LL		1	515605	VVP	EET PIT	06/30/26 20:17
Total/NA	Prep	3510C			515476	VJC	EET PIT	06/25/26 22:07
Total/NA	Analysis	EPA 8081B LL		1	515650	JMO	EET PIT	07/01/26 10:13
Total/NA	Prep	3510C			515476	VJC	EET PIT	06/25/26 22:07
Total/NA	Analysis	EPA 8082A		1	515649	JMO	EET PIT	07/01/26 10:01
Total/NA	Analysis	PCB		1	515733	SAB	EET PIT	07/01/26 10:01
Total Recoverable	Prep	3005A			845388	RFN5	ELLE	07/06/26 09:38
Total Recoverable	Analysis	6020B		1	846889	I9IN	ELLE	07/06/26 19:02
Total Recoverable	Prep	3005A			845388	RFN5	ELLE	07/06/26 09:38
Total Recoverable	Analysis	6020B		1	848361	I9IN	ELLE	07/08/26 21:00
Total/NA	Prep	7470A			843692	HNC4	ELLE	06/30/26 17:28
Total/NA	Analysis	7470A		1	844805	HNC4	ELLE	07/01/26 01:03
Total/NA	Analysis	7196A		1	515529	PS1	EET PIT	07/09/26 23:21
Total/NA	Analysis	EPA 7196A		1	515469	RAO	EET PIT	06/25/26 16:43
Total/NA	Prep	9010C			515501	RAO	EET PIT	06/26/26 14:36
Total/NA	Analysis	EPA 9014		1	515513	RAO	EET PIT	06/27/26 13:11

Lab Chronicle

Client: ST Hudson Engineers
Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Job ID: 630-138167-3

Client Sample ID: SC-3 COMPOSITE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-28

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3520C			515477	VJC	EET PIT	06/25/26 22:18
Total/NA	Analysis	EPA 8270E LL		1	515605	VVP	EET PIT	06/30/26 20:39
Total/NA	Prep	3510C			515476	VJC	EET PIT	06/25/26 22:07
Total/NA	Analysis	EPA 8081B LL		1	515650	JMO	EET PIT	07/01/26 10:31
Total/NA	Prep	3510C			515476	VJC	EET PIT	06/25/26 22:07
Total/NA	Analysis	EPA 8082A		1	515649	JMO	EET PIT	07/01/26 10:18
Total/NA	Analysis	PCB		1	515733	SAB	EET PIT	07/01/26 10:18
Total Recoverable	Prep	3005A			845411	RFN5	ELLE	07/02/26 09:14
Total Recoverable	Analysis	6020B		1	846032	LHF4	ELLE	07/02/26 19:47
Total Recoverable	Prep	3005A			845411	RFN5	ELLE	07/02/26 09:14
Total Recoverable	Analysis	6020B		100	846039	LHF4	ELLE	07/02/26 21:40
Total/NA	Prep	7470A			843692	HNC4	ELLE	06/30/26 17:28
Total/NA	Analysis	7470A		1	844805	HNC4	ELLE	07/01/26 01:06
Total/NA	Analysis	7196A		1	515529	PS1	EET PIT	07/08/26 23:21
Total/NA	Analysis	EPA 7196A		1	515469	RAO	EET PIT	06/25/26 16:45
Total/NA	Prep	9010C			515501	RAO	EET PIT	06/26/26 14:36
Total/NA	Analysis	EPA 9014		1	515513	RAO	EET PIT	06/27/26 13:13

Client Sample ID: C-4 DISCRETE ELUTRIATE TOTAL

Lab Sample ID: 630-138167-30

Date Collected: 06/25/26 07:30

Matrix: MET, Total

Date Received: 06/16/26 09:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3520C			515477	VJC	EET PIT	06/25/26 22:18
Total/NA	Analysis	EPA 8270E LL		1	515605	VVP	EET PIT	06/30/26 21:02
Total/NA	Prep	3510C			515476	VJC	EET PIT	06/25/26 22:07
Total/NA	Analysis	EPA 8081B LL		1	515650	JMO	EET PIT	07/01/26 10:50
Total/NA	Prep	3510C			515476	VJC	EET PIT	06/25/26 22:07
Total/NA	Analysis	EPA 8082A		1	515649	JMO	EET PIT	07/01/26 10:36
Total/NA	Analysis	PCB		1	515733	SAB	EET PIT	07/01/26 10:36
Total Recoverable	Prep	3005A			845388	RFN5	ELLE	07/06/26 09:38
Total Recoverable	Analysis	6020B		1	846889	I9IN	ELLE	07/06/26 19:06
Total/NA	Prep	7470A			843692	HNC4	ELLE	06/30/26 17:28
Total/NA	Analysis	7470A		1	844805	HNC4	ELLE	07/01/26 01:09
Total/NA	Analysis	7196A		1	515529	PS1	EET PIT	07/09/26 23:21
Total/NA	Analysis	EPA 7196A		1	515469	RAO	EET PIT	06/25/26 16:49
Total/NA	Prep	9010C			515501	RAO	EET PIT	06/26/26 14:36
Total/NA	Analysis	EPA 9014		1	515513	RAO	EET PIT	06/27/26 13:13

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

EurofinsPhiladelphia

Accreditation/Certification Summary

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	PA011	06-30-27

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	PA005	06-30-27

The following analytes are included in this report, but the laboratory is not certified by New Jersey NELAP PA005. This list may include analytes for which the agency does not offer certification :

Analysis Method	Prep Method	Matrix	Analyte
7196A		MET, Total	Cr (III)
EPA 8081B LL	3510C	MET, Total	Endosulfan, Total (1C)
EPA 8270E LL	3520C	MET, Total	Cresols, Total
EPA 9014	9010C	MET, Total	Cyanide, Total
PCB		MET, Total	Polychlorinated biphenyls, Total

Method Summary

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Method	Method Description	Protocol	Laboratory
EPA 8270E LL	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8081B LL	Organochlorine Pesticides (GC)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) (GC)	SW846	EET PIT
PCB	Total PCB Calculation	TAL SOP	EET PIT
6020B	Metals (ICP/MS)	SW846	ELLE
7470A	Mercury (CVAA)	SW846	ELLE
7196A	Chromium, Trivalent (Colorimetric)	SW846	EET PIT
EPA 7196A	Chromium, Hexavalent	SW846	EET PIT
EPA 9014	Cyanide	SW846	EET PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET PIT
3520C	Liquid-Liquid Extraction (Continuous)	SW846	EET PIT
7470A	Preparation, Mercury	SW846	ELLE
9010C	Cyanide, Distillation	SW846	EET PIT

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: ST Hudson Engineers

Job ID: 630-138167-3

Project/Site: DRBA Lewes Ferry Terminal - Elutriate - Total

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
630-138167-24	SC-1 COMPOSITE ELUTRIATE TOTAL	MET, Total	06/25/26 07:30	06/16/26 09:49	New Jersey
630-138167-26	SC-2 COMPOSITE ELUTRIATE TOTAL	MET, Total	06/25/26 07:30	06/16/26 09:49	New Jersey
630-138167-28	SC-3 COMPOSITE ELUTRIATE TOTAL	MET, Total	06/25/26 07:30	06/16/26 09:49	New Jersey
630-138167-30	C-4 DISCRETE ELUTRIATE TOTAL	MET, Total	06/25/26 07:30	06/16/26 09:49	New Jersey

63010512



**Drinking Water
and
Wastewater
Northeast, LLC**

795 Horsham Road
Horsham, PA 19044

Phone : 215-355-3900

CHAIN OF CUSTODY

Page 1 of 1

Lab



LAB 630-138167 Chain of Custody

MATRIX CODES

W: DRINKING WATER

GW: GROUND WATER

WW: WASTEWATER

SO: SOIL

SL: SLUDGE

OIL: OIL

SOL: NON SOIL SOLID

MI: MISCELLANEOUS

X: OTHER

___ Ascorbic/HCL Vials # ___ HCl Vials

___ Na₂S₂O₃

___ NaOH/Znacetate

2 HNO₃ 250 pl

___ H₂SO₄

2 NaOH 250 pl

___ Unpreserved 4-Amb qt, 10-250 Amb

___ HCl # ___ NH₄Cl # ___ MeOH

___ DI Water

ANALYSIS REQUESTED

Field pH, Temp (°C),
DO, C12, Cond, etc.

Grain Size, TOC, % Solids

8270, 8081, 8082, TAC Metals,
CN

Client/Acct. No. 900 Dudley Ave
Address

City/State/Zip Cherry Hill, NJ, 08002
Phone/Fax

Client Contact: Claire Mueller

Sampling Site Address (if different) Include State

DRBA LEWES FERRY TERMINAL

P.O. No.

PWSID#:

Quote#

e-mail:

PROJECT

Collection

Number of Containers

FIELD ID

Date

Military Time

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12:34

C-5

↓

1:26

C-6

↓

10:56

C-7

↓

2:39

C-8

↓

1:15

SW

6/10

3:00

FB

6/11

8:41

SAMPLED BY: (Name/Company)

S.T. Hudson Eng, Inc.
Claire Mueller

TAT : ☐ STANDARD (10 DAY)

or DUE DATE ___/___/___

Report Format: ☐ Standard ☐ NJ-RDD ☐ SRP-RDD

☐ Standard + QC ☐ Forms ☐ EDD

Field Parameters Analyzed By:

Initials

Date/Time:

Please call for pricing and availability for rush (<10 day) turnaround and for all but standard reporting format.

SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK, IE. 8AM IS 0800, 4 PM IS 1600)

RELINQUISHED BY: SAMPLER

1. Claire Mueller

DATE

6/11

TIME

8:45

RECEIVED BY

1. [Signature]

DATE

6/11

TIME

08:46

DELIVERY: ☒ FEDEX COURIER ☐ CLIENT

☐ UPS ☐ FEDEX ☐ OTHER

Custody Seal Number

RELINQUISHED BY

2. [Signature]

DATE

6/11

TIME

17:23

RECEIVED BY

2. [Signature]

DATE

DATE

TIME

TIME

Rec'd Temp.: _____ Initials: _____ Ice Y / N Location: _____

RELINQUISHED BY

3. _____

DATE

DATE

TIME

TIME

RECEIVED BY

3. _____

DATE

DATE

TIME

TIME

COMMENTS:

RELINQUISHED BY

4. _____

DATE

DATE

TIME

TIME

RECEIVED BY

4. _____

DATE

DATE

TIME

TIME

RELINQUISHED BY

5. _____

DATE

DATE

TIME

TIME

RECEIVED BY

5. _____

DATE

DATE

TIME

TIME

Hazardous: yes / no

63010512



**Drinking Water
and
Wastewater
Northeast, LLC**

795 Horsham Road
Horsham, PA 19044

Phone : 215-355-3900

CHAIN OF CUSTODY

Page 2 of

Lab LIMS No:

Loc: 630

138167

MATRIX CODES

LAB USE ONLY:

Ascorbic/HCl CI Vials

Na₂S₂O₃

NaOH/Znacetate

HNO₃

H₂SO₄

NaOH

Unpreserved

HCl # NH₄Cl # MeOH

DI Water

DW: DRINKING WATER

GW: GROUND WATER

WW: WASTEWATER

SO: SOIL

SL: SLUDGE

OIL: OIL

SOL: NON SOIL SOLID

MI: MISCELLANEOUS

X: OTHER

ANALYSIS REQUESTED

Field pH, Temp (°C),
DO, C12, Cond, etc.

Client/Acct. No. ST HUDSON
Address

City/State/Zip

Phone/Fax

Client Contact:

Sampling Site Address (if different) Include State DRBA LEWES FERRY TERMINAL

P.O. No.

PWSID#:

Quote#

e-mail:

PROJECT Comps / Elutriates

FIELD ID

Collection

Date

Military
Time

G
R
A
B

C
O
M
P

Matrix
Code

Number of Containers

Total

H
2
S
O
4

H
C
l

V
i
a
l
s

H
N
O
3

N
a
O
H

Z
n
A
c

U
N
P
R
E

B
A
C
T

Grain Size, rcc, % Solids, P270,
P801, P802, TAL Metals, Cu,
Cr6, Cr3

Modified Elutriate - Total + Dissolved:

P270, P801, P802, Cu,
TAL Metals, Cr6, Cr3

SAMPLED BY: (Name/Company)

TAT : ☐ STANDARD (10 DAY)

or DUE DATE / /

Report Format: ☐ Standard ☐ NJ-RDD ☐ SRP-RDD

☐ Standard + QC ☐ Forms ☐ EDD

Field Parameters Analyzed By:

Initials

Date/Time:

Please call for pricing and availability for rush (<10 day) turnaround and for all but standard reporting format.

SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK, IE. 8AM IS 0800, 4 PM IS 1600)

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME	DELIVERY:	Custody Seal Number
1. SAMPLER			1.			☐ EETP COURIER ☐ CLIENT ☐ UPS ☐ FEDEX ☐ OTHER <u> </u>	
2.			2.			Rec'd Temp.: <u> </u> Initials: <u> </u> Ice Y / N Location: <u> </u> COMMENTS: Hazardous: yes / no	
3.			3.				
4.			4.				
5.			5.				

ORIGIN ID:SEGA (215) 355-3900

EUROFINS ENVIRON TESTING PHILA LLC
795 HORSHAM ROAD

HORSHAM, PA 19044
UNITED STATES US

SHIP DATE: 17JUN26
ACTWGT: 54.95 LB
CAD: 265788972/CAFE4004
DIMS: 24x16x14 IN

BILL SENDER

TO **SAMPLE RECEIVING**
EUROFINS PITTSBURGH
301 ALPHA DR

PITTSBURGH PA 15238

(412) 963-7058

REF:

DEPT:



Uncorrected temp
Thermometer ID

51.6 °C
28

CF -0.3

Initials NR

PT-WL-SR-001 effective 7/26/13

FedEx
Express

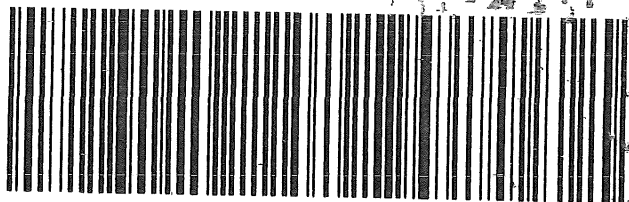


THU - 18 JUN 10:30A
PRIORITY OVERNIGHT

TRK# 4881 3411 2669
0201

NP AGCA

15238
PA-US PIT



ORIGIN ID:SEGA (215) 355-3900

EUROFINS ENVIRON TESTING PHILA LLC
795 HORSHAM ROAD

HORSHAM, PA 19044
UNITED STATES US

SHIP DATE: 17JUN26

ACTWGT: 40.00 LB
CAD: 265788972/CAFE4004
DIMS: 18x16x13 IN

BILL SENDER

TO **SAMPLE RECEIVING**
EUROFINS PITTSBURGH
301 ALPHA DR

PITTSBURGH PA 15238

(412) 963-7058

REF:

DEPT:

INVT
PO1



Uncorrected temp
Thermometer ID

21.9 °C
28

CF -0.3

Initials NR

PT-WL-SR-001 effective 7/26/13

FedEx
Express

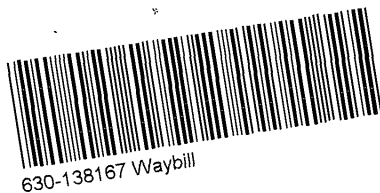
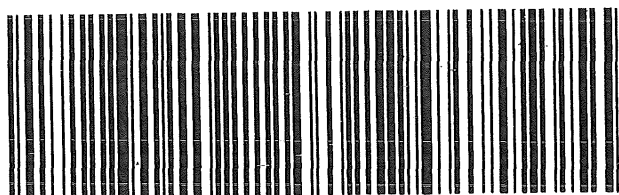


THU - 18 JUN 10:30A
PRIORITY OVERNIGHT

TRK# 4881 3411 2658
0201

NP AGCA

15238
PA-US PIT



630-138167 Waybill

ORIGIN ID:SEGA (215) 355-3900
EUROFINS ENVIRON TESTING PHILA LLC
795 HORSHAM ROAD
HORSHAM, PA 19044
UNITED STATES US

SHIP DATE: 17JUN26
ACTWGT: 59.20 LB
CAD: 265788972/CAFE4004
DIMS: 25x14x13 IN
BILL SENDER

ORIGIN ID:SEGA (215) 355-3900
EUROFINS ENVIRON TESTING PHILA LLC
795 HORSHAM ROAD
HORSHAM, PA 19044
UNITED STATES US

SHIP DATE: 17JUN26
ACTWGT: 56.45 LB
CAD: 265788972/CAFE4004
DIMS: 25x14x13 IN
BILL SENDER

TO **SAMPLE RECEIVING**
EUROFINS PITTSBURGH
301 ALPHA DR

TO **SAMPLE RECEIVING**
EUROFINS PITTSBURGH
301 ALPHA DR

PITTSBURGH PA 15238

PITTSBURGH PA 15238

(412) 983-7058

REF:

DEPT:

(412) 983-7058

REF:

DEPT:

Uncorrected temp 21.1 °C
Thermometer ID 28
CF -0.3 Initials NR

PT-WI-SR-001 effective 7/26/13



Uncorrected temp 21.4 °C
Thermometer ID 28
CF -0.3 Initials NR

PT-WI-SR-001 effective 7/26/13



TRK# 4881 3411 2680
0201

THU - 18 JUN 10:30A
PRIORITY OVERNIGHT

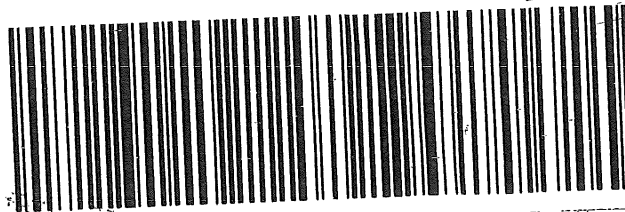
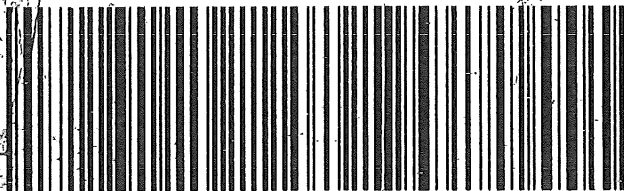
TRK# 4881 3411 2670
0201

THU - 18 JUN 10:30A
PRIORITY OVERNIGHT

NP AGCA

NP AGCA

15238
PA-US PIT



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Page 54 of 60

Chain of Custody Record

[illegible]

Login Sample Receipt Checklist

Client: ST Hudson Engineers

Job Number: 630-138167-3

Login Number: 138167

List Source: EurofinsPhiladelphia

List Number: 1

Creator: Kurz, Chris

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

EurofinsPhiladelphia

Login Sample Receipt Checklist

Client: ST Hudson Engineers

Job Number: 630-138167-3

Login Number: 138167

List Number: 2

Creator: Cyms, Carolyn M

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 06/16/26 03:06 AM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

EurofinsPhiladelphia

Login Sample Receipt Checklist

Client: ST Hudson Engineers

Job Number: 630-138167-3

Login Number: 138167

List Number: 4

Creator: Williams, Peter

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 06/26/26 10:20 AM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

EurofinsPhiladelphia

Login Sample Receipt Checklist

Client: ST Hudson Engineers

Job Number: 630-138167-3

Login Number: 138167

List Number: 3

Creator: Rucker, Keenyn J

List Source: Eurofins Pittsburgh

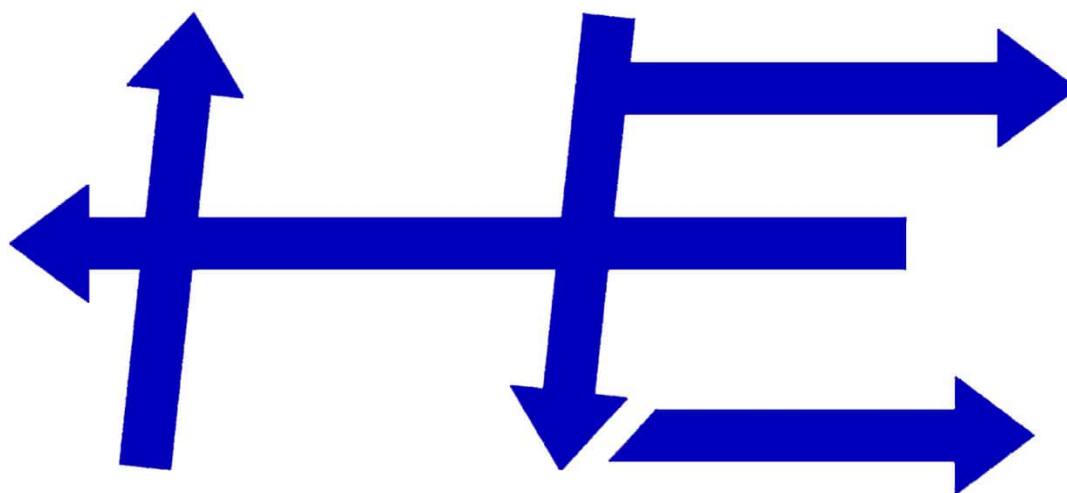
List Creation: 06/18/26 01:15 PM

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

PHONE 856-342-6600

FAX 856-342-8323



S.T. HUDSON ENGINEERS, INC.

PROFESSIONAL ENGINEERS & CONSULTANTS

900 DUDLEY AVENUE, CHERRY HILL, NEW JERSEY 08002

VISIT OUR WEBSITE AT WWW.STHE.COM