

Consulting Engineers and Scientists

February 5, 2020 171.06108.008

Mr. Dan Pennessi Mason Station, LLC 485 West Putnam Avenue Greenwich, Connecticut 06830

RE: Electrical Transformer Removal and Disposal

Mason Station Powerhouse

Wiscasset, Maine

Dear Mr. Pennessi:

On behalf of Mason Station LLC, Ransom Consulting, LLC (Ransom) has prepared the following letter report documenting the removal and disposal of known electrical transformers associated with the Mason Station Powerhouse building, located on Birch Point Road in Wiscasset, Maine (the "Site"). A Site Location Map is included as Figure 1, Attachment A.

These activities were performed in accordance with the Contractor Work Plan, Revision 3, dated September 22, 2020. The Contractor Work Plan was reviewed and accepted by the U.S. Environmental Protection Agency (U.S. EPA) and the Maine Department of Environmental Protection (MEDEP) prior to implementation of transformer removal activities.

BACKGROUND

The Site is occupied by the Mason Station Powerhouse Building. The Powerhouse Building is generally divided into the following areas: Units #1 and #2 (constructed from 1940 to 1946); Units #3 and #4 (constructed in 1952), and Unit #5 (constructed in the late 1950s). The Powerhouse Building was deactivated in 1997 and much of the former power generating equipment has been removed. The general layout of the Powerhouse Building is shown on Figure 1, Attachment A.

In 2019, Ransom completed an Initial Transformer Evaluation of the electrical transformers remaining at the Site. The Initial Transformer Evaluation included general observations, collection of transformer oil samples for laboratory analysis of polychlorinated biphenyls (PCBs), and quantification of the amount of oil present in each of the transformers identified on-Site. Electrical transformer locations are shown on Figure 1, Attachment A. Pertinent information obtained from the electrical transformers, including serial numbers and total PCB concentrations, is included in Table 1, Attachment B.

Mr. Dan Pennessi and Mr. Scott Houldin Mason Station, LLC

Based on the information presented in Table 1, the four exterior transformers were considered *PCB Transformers* as defined in 40 C.F.R. §761.3 and required disposal as Toxic Substances Control Act (TSCA)-regulated waste. The interior transformers containing oil exhibiting PCB concentrations <50 milligrams per kilogram (mg/kg) were considered *Non-PCB Transformers* as defined in 40 C.F.R. §761.3 and were handled and disposed of in accordance with applicable State and local regulations.

In addition to the electrical transformers, oily water was observed in a concrete spill containment structure on the 4th floor of Unit 3 and 4, associated with Transformer Serial Numbers 51334 and 51335. The oily water within the spill containment structure exhibited a total PCB concentration of 51.6 mg/kg. Based on these results, the oily water and portions of the concrete spill containment structure impacted by PCBs were considered PCB remediation waste, subject to TSCA disposal regulations.

EXTERIOR TRANSFORMER REMOVAL

On September 22, 2020, transformer oil was removed from the four exterior electrical transformers. Oil removal was conducted by Trans-Cycle Industries, Inc. (TCI) of Pell City, Alabama. Oil was removed using a hazardous waste tanker truck equipped with a vacuum pump. Prior to oil transfer, the tanker truck was driven onto a secondary containment pad, and spill containment was placed under each hose fitting. Oil was vacuumed from the drain valve on the bottom of each transformer until the transformer was observed to be empty. No oil spills, leaks, or releases were observed during oil transfer activities. Approximately 5,718.9 gallons of TSCA-regulated transformer oil was transported by TCI for incineration at Veolia Environmental Services in Port Arthur, Texas. Disposal receipts for the TSCA-regulated transformer oil are included in Attachment C.

On September 28, 2020 the four exterior electrical transformers were hoisted by crane on to flat-bed hazardous waste transport trailers equipped with spill containment pans. Prior to transport, the electrical transformers were inspected for holes, cracks, or other damage. The transformers were observed to be in good condition at the time of transport, with no evidence of leaks or releases of residual oil. The exterior transformers were transported to the TCI facility in Pell City, Alabama, for metals cleaning and smelting. Photographs of the exterior transformer removal are included in the photolog, Attachment D.

INTERIOR TRANSFORMER REMOVAL

Between October 27 and December 3, 2020, the 10 interior electrical transformers were drained and removed by Environmental Projects Inc. (EPI) of Auburn, Maine. Oil removed from the interior transformers was placed in 55-gallon drums and transported to Northland Environmental in Providence, Rhode Island for disposal as non-hazardous oily waste. Disposal receipts are included in Attachment C.

Prior to removal from the Site, the exterior carcasses of Transformer Serial Numbers 51334 and 51335 were decontaminated to remove residual PCBs that may have been present as a result of contact with the oily water contained in the spill containment structure. The exterior surfaces of these transformers were decontaminated with diesel fuel, followed by a surfactant wash. The rags, diesel fuel, and surfactant utilized for decontamination was containerized in labeled 55-gallon drums and transported to the Clean Earth of New Jersey facility, located in Kearny, New Jersey, for disposal as TSCA-regulated PCB waste. Wipe samples collected from the exterior of Transformer Serial Numbers 51334 and 51335 confirmed that no PCBs were detectable following the decontamination activities. Laboratory analytical reports are included in Attachment E.

Mr. Dan Pennessi and Mr. Scott Houldin Mason Station, LLC

Other interior transformer carcasses were transported to EPI's facility in Auburn, Maine, for cleaning and dismantling. At the EPI facility, the transformer carcasses were cut into transportable pieces using a plasma torch. The transformer pieces were wiped down with diesel fuel and a surfactant wash and wipe sampled to determine compliance with disposal facility requirements. Upon approval from the receiving facility, the transformer pieces were transported to Schnitzer Metals Recycling of Auburn, Maine, for disposal as scrap metal. The rags, diesel and surfactant utilized to clean the transformer pieces as well as single use components of the processing containment were containerized and disposed of as nonhazardous oily waste at Northland Environmental in Providence, Rhode Island, Disposal receipts are included in Attachment C.

CLEANUP ACTIVITIES

In an effort to reduce potential impacts from the overflow of oily water from the spill containment structure associated with Transformer Serial Numbers 51334 and 51335, the oily water was pumped from the containment structure into 55-gallon drums. Based on the previous analytical characterization, the drums were labeled and transported to Clean Earth of New Jersey for disposal as TSCA-regulated PCB waste.

In addition to the oily water, the concrete berms and the top 1 to 2 inches of the concrete flooring that made up the containment structure was removed using a jack hammer. The concrete waste was collected into cubic-yard industrial totes and was also transported to the Clean Earth of New Jersey facility for disposal as TSCA-regulated PCB remediation waste. Disposal receipts for the oily water and concrete debris removed from the spill containment structure are included in Appendix C. Additional assessment will be necessary to evaluate the remaining portions of the concrete containment structure as well as other potentially impacted substrates that may have been in contact with the oily water from the spill containment structure.

CONCLUSIONS

The activities discussed herein were successful in removing known interior and exterior electrical transformers from the Mason Station Powerhouse building. The electrical transformers and associated oil were transported for off-site disposal in accordance with applicable Federal and State disposal regulations. Work plans are currently being developed to evaluate potential impacts to interior and exterior portions of the Site in connection with the former electrical transformers.

If you have any questions regarding this submittal, please feel free to call us at your convenience.

Sincerely,

RANSOM CONSULTING, LLC

Eik Pheny

Eriksen P. Phenix, L.G.

Project Geologist

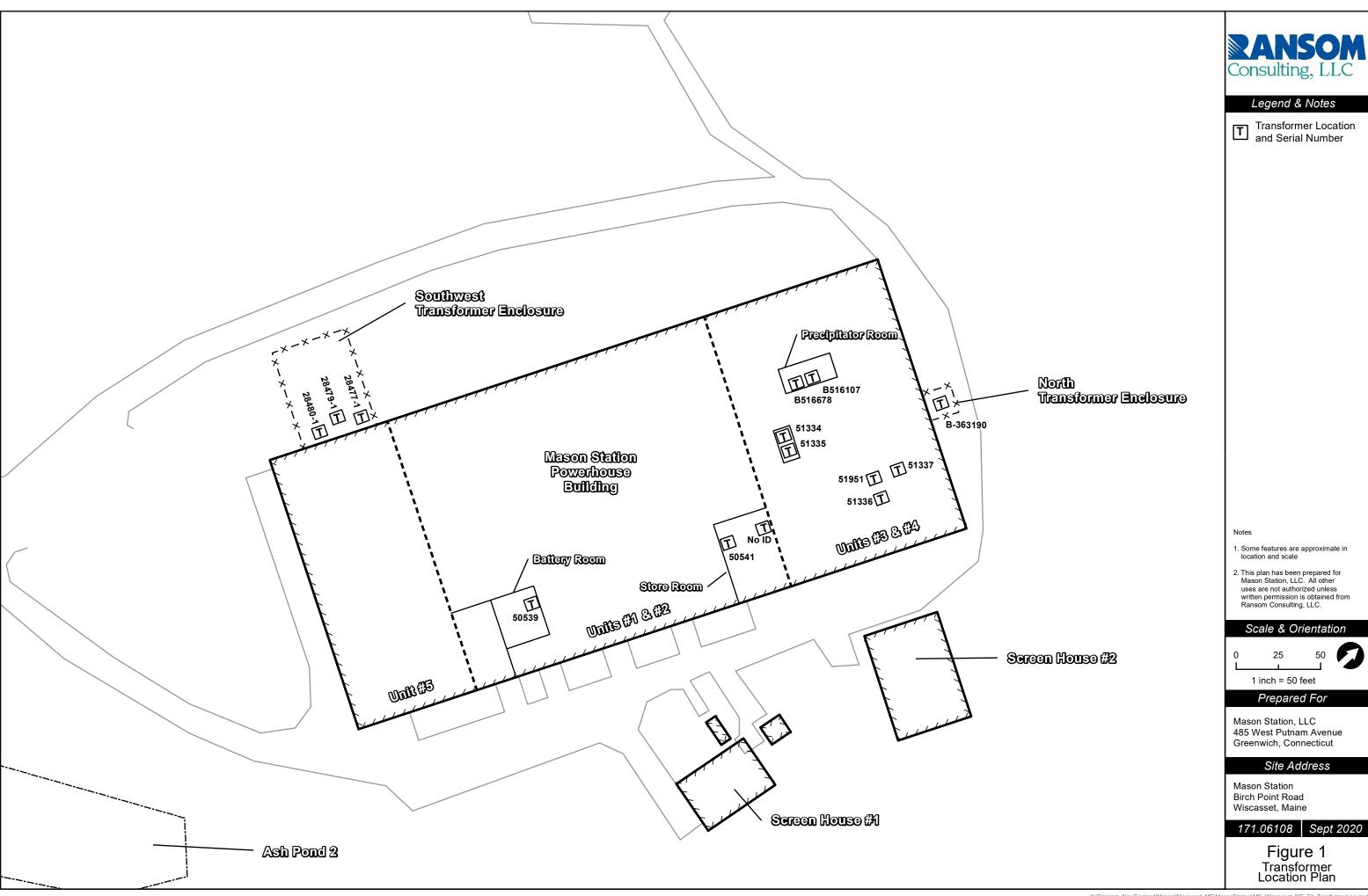
Stephen J. Dyer, P.E. Senior Project Manager

EPP/SJD: mes Attachments

ATTACHMENT A

Site Figures

Electrical Transformer Removal and Disposal Mason Station Powerhouse Wiscasset, Maine



ATTACHMENT B

Table 1: Electrical Transformer Information

Electrical Transformer Removal and Disposal Mason Station Powerhouse Wiscasset, Maine

Table 1: Electrical Transformer Information Mason Station Wiscasset, Maine

Transformer Location	Manufacturer	Serial Number	Date of Manufacture	Capacity	Liquid Level Observations 8/19/19	Total PCB Concentration (mg/kg)
Exterior Transforme	ers					
Northern Transformer Cage	General Electric	B-363190	Unknown	1025 gallons	Full	455,000
Southwestern Transformer Cage	Pennsylvania	28480-1	Unknown	965 gallons	Full	358,000
Southwestern Transformer Cage	Pennsylvania	28479-1	Unknown	965 gallons	Full	352,000
Southwestern Transformer Cage	Pennsylvania	28477-1	Unknown	825 gallons	Full	320,000
Interior Transforme	rs					
Unit 3&4, 7th Floor Precipitator Room	General Electric	B516678	Unknown ¹	75 gallons	Full	13.9
Unit 3&4, 7th Floor Precipitator Room	General Electric	B516107	Unknown ¹	75 gallons	Full	4.61
Unit 3&4, 4th Floor	Niagara Transformer Corp.	51334	1989	97 gallons	Full	2.04
Unit 3&4, 4th Floor	Niagara Transformer Corp.	51335	1989	97 gallons	Empty	BRL (2.0)
Unit 1&2, 2nd Floor, Storeroom #1	Niagara Transformer Corp.	50541	1988	512 gallons	Full	BRL (<0.936)
Unit 1&2, 2nd Floor, Storeroom #1	No ID Plate (Presumed to be Niagara Transformer)	No I.D.	Unknown	No capacity info	Full	BRL (<0.943)
Unit 1&2, 1st Foor, Battery Room #2	Niagara Transformer Corp.	50539	1988	135 gallons	Full	BRL (<0.938)
Unit 3&4, 1st Floor	Niagara Transformer Corp.	51951	1990	635-gal	Full	BRL (<0.940)
Unit 3&4, 1st Floor	Niagara Transformer Corp.	51337	1989	36-gal	Full	2.22
Unit 3&4, 1st Floor	Niagara Transformer Corp.	51336	1989	36-gal	Full	4.08

^{(1) -} Name plate indicates transformer oils were sampled on 11/16/1992 and results were < 50 ppm. BRL(#) = Below the laboratory reporting limit of #

ATTACHMENT C

Disposal Receipts

Electrical Transformer Removal and Disposal Mason Station Powerhouse Wiscasset, Maine

EP-14708

142 35735 EPI Transfer 01/04/21 print or type. Form Approved. OMB No. 2050-0039 4. Manifest Tracking Number 1 Generator ID Number UNIFORM HAZARDOUS Page 1 of 3. Emergency Response Phone WASTE MANIFEST MED985467547 877-846-0447 Generator's Name and Mailing Address Generator's Site Address (if different than mailing address) Mason Station LLC C/O NR, 485 W Pulnam Ave. Greenwich CT 06830 Birch Point Road Wiscasset, ME 04578 Generator's Phone: (207) 786-7390 6. Transporter 1 Company Name LLS FPAID Number Environmental Projects Inc. MEROCO504191 2077867890 U.S. FPA ID Number 7. Transporter 2 Company Name Republic Env Sys (Trans Group) LLC 401-781-6340 PAD982661981 8. Designated Facility Name and Site Address U.S. EPA ID Number Clean Earth of New Jersey 135 Jacobus Avenue kenny, NJ 07032 Facility's Phone: 973-344-4004 NID991291105 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11 Total 12 Unit 13. Waste Codes and Packing Group (if any)) No. Type Quantity Wt./Vol. JN 3077, Wasto Environmentally hazardove substances id GENERATOR 3,992 solid, n.o.s..(Polychlorinated Blohemis), 9, PG 195 UN3082. Waste Environmentally hazardous substances Ø4002 liquid, n.o.s., (Polychlarinated Blohenyls), 9, PG 8 1550 **数 ENG# 171** 12/1/21 spec # out of Sewer 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified; packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and Lam.the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true Generator's/Offeror's Printed/Typed Name Year 16. International Shipments Import to U.S. Export from U.S. Port of entry/exit Transporter signature (for exports only) Date leaving U.S. 17. Transporter Acknowledgment of Receipt of Materials Tribe and the s Signature Year 6 14 m Transporter 2 P inted/Typed Name Signature 9 18. Discrepancy 18a. Discrepancy Indication Space Quantity Type Residue Partial Rejection __ Full Rejection 18b. Alternate Facility (or Generator) U.S. EPA ID Number Received Pending Manifest Review/Quality Control Data 18c. Signature of Alternate Facility (or Generator) Day 19. Hazardous Waste Report Management Method Codes (i.e., codes/for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials govered by the manifest except as noted in Item 286 Printed/Typed Name

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PCB Manifest Continuation Form

Please include on the manifest or on and attachment to the manifest

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^{*}Each drum must have unique # and be listed in kilograms

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

H010

DESIGNATED FACILITY TO GENERATOR



TCI OF ALABAMA, LLC

Receiving Report for Shipment

203127

Company_Name

NATURAL RESOURCES

EPA ID Number

MED985467547

Date_Pickup

9/28/2020

ID_Manifest

006439377GBF

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		TIME IN: DECKEE: En GENERATOR'S/OFFEROF marked and labeled/placard Exporter, I certify that the va- I certify that the waste mining erator's/Offeror's Printed/Typ	R'S CERTIFICATION: I hereby ded, and are in all respects in pronnents of this consignment confinization statement identified in 4 and Name	declare that the coper condition for orm to the terms	ontents of this consig transport according to of the attached EPA	019N nment are fully a o applicable inte	and accurately demonstrational and national and national and national and national and consent.	scribed above	by the proper shi	pping name	and are cla	ssified, pack am the Prin	mary -
1	16 1	7.m #/A	KKIR			1/90	4/1		# Electrical			1 28	120
INT		nternational Shipments sporter signature (for export	Import to U.S.		Expor	t from U.S.	Port of ent Date leavir				7		
	17. T	ransporter Acknowledgment	of Receipt of Materials					1		42.			1,
TRANSPORTER	Iran	sporter 1 Print ed/T yped Nam	T/			Signature	11/		11	1	Mor	nth Day	Year 10
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E	18. E	Discrepancy					-	- And	E. Calendaria			1.0	1
	-	Discrepancy Indication Space	ce Quantity		Туре	Γ	Residue	200	Partial Reje	ction	. [Full Rej	ection
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	18b.	Alternate Facility (or General	tor)	16000	,	Ma	inifest Reference	Number:	⊕U.S. EPA ID No	ımber			
FACILITY	Facili	tulo Disease		(al and the second				
	-	ity's Phone: Signature of Alternate Facility	y (or Generator)								Mo	nth Day	y Year
DESIGNATED	40.11								*				
DESI	19. H	azardous Waste Report Mar	nagement Method Codes (i.e., co	odes for hazardou	is waste treatment, d	sposal, and recy 3.	cling systems)		4.				
				-				41		. '		v ·	
		esignated Facility Owner or (ed/Typed Name	Operator: Certification of receipt	of hazardous ma	terials covered by the	manifest except	as noted in Item	18a	7		Mor	nth Day	Year
 	1		RDEN			1	A 0		10	>	1/	011	120
EPA	Form	8700-22 (Rev. 12-17) F	Previous editions are obsolet	e.		10	U		DECIONAT	ED EAG	11 177/74	OFNE	DATOR



TCI OF ALABAMA, LLC

Receiving Report for Shipment

203080

Company_Name

NATURAL RESOURCES

EPA ID Number

MED985467547

Date_Pickup

ID_Manifest

006439375GBF

9/28/2020

#	Gen Ref #	Serial #	Туре	Size	PCB (ppm)	RFS	Gals	Lbs	Kg
DRAIN	IED PCB ELEC	TRICAL EQUIPM	ENT						
001 002	PAD 1 PAD 4	B-363190 78477-1	PADMOUNT PADMOUNT	3000 1380	500 500	9/22/2020	0.0	18330 18330	8332 8332
Quan	tity: 2		Sum	4380		Sum	0.0	36660	16664
Total	Qty: 2		Total	4380		Total	0.0	36660	16664

TCI of Alabama, LLC Disposal Document Package



NATURAL RESOURCES						
485 WEST PUTNAM AVE						
GREENWICH, CT 06830						
DANIEL PENNESS	сте да така и на мет те петемен и претима и на претима и пот претима и при претима и претима и претима и претим	talagain debumben muset i samerameneen, mere naven soor et talastalainta talas en et marietikalainin kun et m				
Manifest Tracking Informa	ation					
TCI Manifest #:	202981					
Manifest Tracking #:	006439366GBF					
Date Picked Up:	09/22/20					
Date Received:	09/24/20					
Enclosed please find the fol manifest listed above:	lowing disposal docum	ents (if applicable) for the				
☐ TCI Disposal Summary	y Issued	01/27/21				
☐ TCI Certificate of Disp	☐ TCI Certificate of Disposal Issued: No TCI CD Issued					
☐ List of TCI Outbound	Manifest(s) and associa	ted CD				
208346	engan semenun anap dan dapat dan ganpat bisak berlehi anta Antahak Salah setak dapat dan kelah Pesanda di	r tallitation (1994) est est visite (1994) est (1997) est est est block all acceptations est est est anticomment units (1997) (1997) est				



TCI of Alabama, LLC

101 Parkway East Pell City, AL 35125 Phone: (205) 338-9997 Fax: (205) 338-9979

EPA ID #: ALD983167891

Certificate Number: 202981

Generator: NATURAL RESOURCES

485 WEST PUTNAM AVE

Manifest Id Number: 006439366GBF

GREENWICH, CT 06830

Pickup Date: 09/22/20

Date Issued: 01/27/21

Location: WISCASSET

Disposal Summary

In accordance with our agreement to provide disposal services, we hereby certify the completion of all items picked up on the above listed manifest. A

Total Items: 1

summary of the disposition is as follows:

Serial #

TANKER

Size / Gen Ref#

KVA

Description LIQUID

PCB (ppm) PCB

09/24/20

Disposed Method Outbound DRN

Item(s)

Disposed Method Outbound 10/13/20

INC 208346

01/27/21

Date

Liquid(s)

Quantity: 1

TCI Barcode

AA790435

Disposal Method Key:

CWL: PCB Chemical Waste Landfill - Waste Management, Emelle, AL

DRN: Complete Draining - TCI of Alabama, LLC, Pell City, AL IHB: TCI Thermal Destruction - TCI of Alabama, LLC, Pell City, AL

INC: PCB Incineration - Veolia, Pt. Arthur, TX

MCR: Metals Cleaning and Recycling - TCI of Alabama, LLC, Pell City, A

RCY: Recycling - TCI of Alabama, LLC, Pell City, AL THM: Thermal Destruction - See Attached Outbound

DTX: Dechlorination - See Attached Outbound

IHX: Dechlorination - TCI of Alabama, LLC Pell City, AL FLR: Fluid Recycling - TCI of Alabama, LLC Pell City, AL

Quality Director



TEL TV221 875225

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		urupatata Atata		% V	Cnt. Greg		Genalator's Sign	Address (if different	than mailing addre	995)			
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DESIGNATED FACILITY		ly's Phono: Fignature of Alternot	o Facility (or G	recrator)			-				Mau	th Day	Yesi
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PĀ	Form	5760-22 Rev. 1	2-17) Preve	us editivas are obsolele.			11	DESIGNATE	D FACILITY	TO EPA	s e-MAÑ	FEST S	YSTEM



RECEIVED JAN 1 8 2021

208346

Veolia ES Technical Solutions, L.L.C.

Federal EPA ID: TXD000838896

State EPA ID: 50212-001

Highway 73, 3.5 miles W. of Taylor's Bayou Bridge

Port Arthur, TX 77643

(409) 736-2821

TCI OF ALABAMA, LLC 101 PARKWAY E PELL CITY, AL 351252749

CERTIFICATE OF DESTRUCTION

Veolia ES Technical Solutions, L.L.C. has received waste material from TCI OF ALABAMA, LLC (Fed EPA ID - ALD983167891) on 2020-09-25 00:00:00 as described on [State Manifest or Uniform] Hazardous Waste Manifest number 022124053JJK. Veolia ES Technical Solutions, L.L.C. hereby certifies that the above described material was incinerated, and thereby destroyed, in accordance with the 40 CFR, part 761, as it pertains to the incineration of Poly-Chlorinated Biphenyl contaminated materials.

Sequence 1

Profile Number: PTABV2871

Veolia Tracking ID: 875225

<u>Date CD</u> Inter-Company# Was Issued

Process Veolia Unit ID Treatment Date Generator # Inter-Company #

INCINERATION 1 10/13/2020 41356995500001010 413569955000001010 10/19/2020

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Paul V. Conrad

Material Services Manager

TCI of Alabama, LLC Disposal Document Package



NATURAL RESOURCES		
485 WEST PUTNAM AVE		
GREENWICH, CT 06830 DANIEL PENNESS		
Manifest Tracking Infor	mation	
TCI Manifest #:	202985	
Manifest Tracking #:	006439367GBF	
Date Picked Up:	09/22/20	
Date Received:	09/24/20	
Enclosed please find the manifest listed above:	following disposal docum	ents (if applicable) for the
☐ TCI Disposal Summ	ary Issued	01/27/21
☐ TCI Certificate of D	No TCI CD Issued	
☐ List of TCI Outboun	d Manifest(s) and associa	ted CD
208388	et yr inniu tuariau yn Arthur Afeth is, tafar fawr far (150 ° 1466), ei 141 yn gefel et a'r ddddidddiff.	and the second second sector of the second sector is a second second sector of the sector is the second sector is the sector is the second sector is the sector is the second sector is the second sector is the second sector is the second sector is the sector is



TCI of Alabama, LLC

101 Parkway East Pell City, AL 35125 Phone: (205) 338-9997 Fax: (205) 338-9979

EPA ID #: ALD983167891

Date Issued: 01/27/21

485 WEST PUTNAM AVE

Generator: NATURAL RESOURCES

Manifest Id Number: 006439367GBF

Total Items: 1

Certificate Number: 202985

GREENWICH, CT 06830

Pickup Date: 09/22/20

Location: WISCASSET

Disposal Summary

In accordance with our agreement to provide disposal services, we hereby certify the completion of all items picked up on the above listed manifest. A

summary of the disposition is as follows:

Item(s) Liquid(s) Size / TCI Barcode Gen Ref# **KVA** Description Disposed Method Outbound Serial # PCB (ppm) Disposed Method Outbound AA788100 TANKER #216 LIQUID 09/24/20 DRN 600,000 10/29/20 INC 208388

Quantity: 1

Disposal Method Key:

CWL: PCB Chemical Waste Landfill - Waste Management, Emelle, AL

DRN: Complete Draining - TCl of Alabama, LLC, Pell City, AL IHB: TCI Thermal Destruction - TCI of Alabama, LLC, Pell City, AL

INC: PCB Incineration - Veolia, Pt. Arthur, TX

MCR: Metals Cleaning and Recycling - TCI of Alabama, LLC, Pell City, A

RCY: Recycling - TCI of Alabama, LLC, Pell City, AL THM: Thermal Destruction - See Attached Outbound

DTX: Dechlorination - See Attached Outbound

IHX: Dechlorination - TCI of Alabama, LLC Pell City, AL FLR: Fluid Recycling - TCI of Alabama, LLC Pell City, AL

Quality Director

01/27/21

Date



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	5.	Gentlock at Atlanta	ng Address	*-			Generator's	Site Address (if different t	han mailing addres	is)			
Ш	1	101 PARKWAY E			Cnt. Greg									
Ш	1	PELL CITY	•	AL 35125	Massa	iro				•				
Ш		Hierator's Priorie.	(05) 338-9997	Ext 0						110 554 55	t			
Ш	6.	6. Transporter 1 Company Name ROBRIE D WOOD							U.S. EPAID		717		7	
Ш	Ļ	KOBBIE	~	0015						U.S. EPAIDA	humbor	713	001	<u></u>
П	1	Transporter 2 Company Nan	10							1	iumoei			
	8	Designated Facility Name at	nd Site Address				-			U.S. EPA ID N	lumber			
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Ш	14	Special Handling Instruction	s and Additional In	formation				1	FMFR	GENCY RESP	ONSE G	UDE: 47	4 And	<u> </u>
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П	L		35784			Trailer #		Lbs.:	44,10	o Gal.:62	55	W.O. #		
Ш	15.	GENERATOR'S/OFFERO marked and labeled/placar	R'S CERTIFICATION And and are in all a	DN: I hereby declari respects in amoer co	that the contents of this	consignment a	re fully and a shie internation	courately desi	ribed abovi	e by the proper shi	poing name	e, and are clas	ssified, pack	aged,
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خ	7- 18b	Alternate Facility (or General	E COSTRE	470 u. (1)	<u> </u>		Manifes	t Reference N	lumber:	U.S. EPA ID No	-mhor			
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屉	18c	. Signature of Alternate Facili	ty (or Generator)									Mor	nth Day	Yoar
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DESIGNATED FACILITY	19.	Hazardous Waste Report Ma	magement Method		or hazardous waste treatr	nent, disposal,	and recycling	systems)				***************************************	·	
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11	20	Designated Facility Owner or	Operator Cortifica	tion of receipt of hor	parlace materials assess	1 by the monito	et avona ta	adad in Ham 4	00					
		ted/Typed Name (7)	. II .	M /	MENT CHRISTIAN CONCIN	Sign:		RAEG ET (TETT)	oa // fi			Mon	th Day	Year
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EP/	For	m 8700-22 (Rev. 12-17)	Previous editions	s are obsolete.				DESIC	NATED	FACILITY 1	O EPA'	s e-MAN	IFEST S	YSTEM

RECEIVED NOV 0 9 2020



208388

Veolia ES Technical Solutions, L.L.C.

Federal EPA ID: TXD000838896

State EPA ID: 50212-001

Highway 73, 3.5 miles W. of Taylor's Bayou Bridge

Port Arthur, TX 77643

(409) 736-2821

TCI OF ALABAMA, LLC 101 PARKWAY E PELL CITY, AL 351252749

CERTIFICATE OF DESTRUCTION

Veolia ES Technical Solutions, L.L.C. has received waste material from TCI OF ALABAMA, LLC (Fed EPA ID - ALD983167891) on 2020-10-27 00:00:00 as described on [State Manifest or Uniform] Hazardous Waste Manifest number 022124202JJK. Veolia ES Technical Solutions, L.L.C., hereby certifies that the above described material was incinerated, and thereby destroyed, in accordance with the 40 CFR, part 761, as it pertains to the incineration of Poly-Chlorinated Biphenyl contaminated materials.

Sequence 1

Profile Number:

PTABV2871

Veolia Tracking ID:

877047

Process

Veolia Unit ID

Treatment Date

Generator#

Inter-Company #

INCINERATION

1

10/29/2020

7443

453578487004001010

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Paul V. Conrad

Material Services Manager

03-Nov-20

TCI of Alabama, LLC Disposal Document Package



NATURAL RESOURCES		
485 WEST PUTNAM AVE		
GREENWICH, CT 06830		
DANIEL PENNESS	CENTER STRUCTURE OF THE WAS DESCRIBED AND ADDRESS OF THE STRUCTURE OF THE	
Manifest Tracking Informa	tion	
TCI Manifest #:	203080	
Manifest Tracking #:	006439375GBF	
Date Picked Up:	09/28/20	
Date Received:	10/01/20	
Enclosed please find the follomanifest listed above:	owing disposal documents	(if applicable) for the
☐ TCI Disposal Summary	Issued	01/27/21
☐ TCI Certificate of Dispo	sal Issued:	01/27/21
☐ List of TCI Outbound M	Manifest(s) and associated (CD

01/27/21



TCI of Alabama, LLC

101 Parkway East Pell City, AL 35125 Phone: (205) 338-9997 Fax: (205) 338-9979

EPA ID #: ALD983167891

Certificate Number: 203080

Generator: NATURAL RESOURCES

485 WEST PUTNAM AVE

Manifest Id Number: 006439375GBF

Total Items: 2

GREENWICH, CT 06830

Pickup Date: 09/28/20

Location: WISCASSET

Disposal Summary

Date Issued: 01/27/21

In accordance with our agreement to provide disposal services, we hereby certify the completion of all items picked up on the above listed manifest. A

summary of the disposition is as follows:

outilities of the	, dioposition is t	30 10110440.	Size /				Item(s)	<u>Liquid(s)</u>
TCI Barcode	Serial #	Gen Ref #	<u>KVA</u>	Description	PCB (ppm)	<u>Disposed</u>	Method Outbound	Disposed Method Outbound
AA783579	B-363190	PAD 1	3,000	PADMOUNT TRANSFORMER	PCB	01/15/21	MCR	
AA783580	78477-1	PAD 4	1,380	PADMOUNT TRANSFORMER	PCB	01/15/21	MCR	

Quantity: 2

Disposal Method Key:

CWL: PCB Chemical Waste Landfill - Waste Management, Emelle, AL

DRN: Complete Draining - TCl of Alabama, LLC, Pell City, AL IHB: TCI Thermal Destruction - TCI of Alabama, LLC, Pell City, AL

INC: PCB Incineration - Veolia, Pt. Arthur, TX

MCR: Metals Cleaning and Recycling - TCI of Alabama, LLC, Pell City, A

RCY: Recycling - TCI of Alabama, LLC, Pell City, AL THM: Thermal Destruction - See Attached Outbound

DTX: Dechlorination - See Attached Outbound

IHX: Dechlorination - TCI of Alabama, LLC Pell City, AL FLR: Fluid Recycling - TCI of Alabama, LLC Pell City, AL

Date

Quality Director

203080



TCI of Alabama, LLC

101 Parkway East Pell City, AL 35125 Phone: (205) 338-9997 Fax: (205) 338-9979

EPA ID #: ALD983167891

Certificate of Disposal

Certificate Number: 203080 Generator: NATURAL RESOURCES

Date Issued: 01/27/21 485 WEST PUTNAM AVE

Manifest Id Number: 006439375GBF

Pickup Date: 09/28/20 GREENWICH, CT 06830

We hereby certify that the following PCB items were disposed of by TCI of Alabama, LLC metals cleaning and recycling process as of the date(s) shown below:

Barcode	Description	Serial #	Date
AA783579	PADMOUNT TRANSFORMER	B-363190	01/15/21
AA783580	PADMOUNT TRANSFORMER	78477-1	01/15/21

Under civil and criminal penalities of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Tracy Helms

Quality Director

01/27/21

Date

TCI of Alabama, LLC Disposal Document Package



ng disposal documents (ued Issued:	(if applicable) for the 01/27/21 01/27/21
	, , ,
ng disposal documents ((if applicable) for the
·李明传送的经验,我们就是一个人,我们就是我们的一个一个人,一个人,不是一个人的人,我们就是一个人,我们也是一个人的人,他们就是一个人的人,他们就是一个人的人, "	в навистовийский объе выменяльной комплектической поменение фотов калентов профессовый от выполнение и по выпос В применение
10/06/20	
09/28/20	
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	203127 006439377GBF 09/28/20



TCI of Alabama, LLC

101 Parkway East Pell City, AL 35125 Phone: (205) 338-9997 Fax: (205) 338-9979

EPA ID #: ALD983167891

Certificate Number: 203127

Date Issued: 01/27/21

Generator: NATURAL RESOURCES

485 WEST PUTNAM AVE

Manifest Id Number: 006439377GBF

GREENWICH, CT 06830

Total Items: 2

Pickup Date: 09/28/20

Location: WISCASSET

Disposal Summary

In accordance with our agreement to provide disposal services, we hereby certify the completion of all items picked up on the above listed manifest. A summary of the disposition is as follows: Itam/al

			Size /				item(s)	<u>Liquid(s)</u>
TCI Barcode	Serial #	Gen Ref#	<u>KVA</u>	<u>Description</u>	PCB (ppm)	Disposed	Method Outbound	<u>Disposed</u> <u>Method</u> <u>Outbound</u>
AA783684	28480-1	PAD 2	3,125	PADMOUNT TRANSFORMER	PCB	01/15/21	MCR	
AA783685	28479-1	PAD 3	2,500	PADMOUNT TRANSFORMER	PCB	01/15/21	MCR	

Quantity: 2

Disposal Method Key:

CWL: PCB Chemical Waste Landfill - Waste Management, Emelle, AL

DRN: Complete Draining - TCl of Alabama, LLC, Pell City, AL IHB: TCI Thermal Destruction - TCI of Alabama, LLC, Pell City, AL

INC: PCB Incineration - Veolia, Pt. Arthur, TX

MCR: Metals Cleaning and Recycling - TCI of Alabama, LLC, Pell City, A

RCY: Recycling - TCI of Alabama, LLC, Pell City, AL THM: Thermal Destruction - See Attached Outbound

DTX: Dechlorination - See Attached Outbound

IHX: Dechlorination - TCI of Alabama, LLC Pell City, AL FLR: Fluid Recycling - TCI of Alabama, LLC Pell City, AL 01/27/21

Date



TCI of Alabama, LLC

101 Parkway East Pell City, AL 35125 Phone: (205) 338-9997

Fax: (205) 338-9979 EPA ID #: ALD983167891

Certificate of Disposal

Certificate Number: 203127 Generator: NATURAL RESOURCES

Date Issued: 01/27/21 485 WEST PUTNAM AVE

Manifest Id Number: 006439377GBF

Pickup Date: 09/28/20 GREENWICH, CT 06830

We hereby certify that the following PCB items were disposed of by TCI of Alabama, LLC metals cleaning and recycling process as of the date(s) shown below:

Barcode	Description	Serial #	Date
AA783684	PADMOUNT TRANSFORMER	28480-1	01/15/21
AA783685	PADMOUNT TRANSFORMER	28479-1	01/15/21

Under civil and criminal penalities of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Tracy Helms

Quality Director

01/27/21

Date

		WASTE MANIFEST IN Generator ID Number M E D9 8 5 4 6 7 5	2. Page 1 of 3. E	mergency Response Phone		GA39366 GBF
		Generator's Name and Mailing Address LLC 50 Waturn 1 485 West Transporter 1 Company Name Transporter 1 Compa	Soirces Priman Are	erator's Site Address (if different inch Point Res		20-0435
		enerator's Phone: 203-65: Transporter 1 Company Name 7 19 10 10 10 10 10 10 10 10 10 10 10 10 10	1-0058 imen willich	CT 06830	U.S. EPA ID N	umber 7 1 5 2 9 9 7 5
	7.	Transporter 2 Company Name			U.S. EPA ID N	
4	8.	Designated Facility Name and Site Address TCl of Alabama, LLC 101 Packway East		\	U.S. EPA ID N	umber
	Fa	Pell City, AL 35125	205-338-9997		A L D9	83167891
	9a H	and Packing Group (if any))	Class, ID Number,	10. Containers No. Type	11. Total Quantity	12. Unit Wt./Vol. 13. Waste Codes
GENERATOR -		RQ UN2315 Folychlorinated Bip 9. FGIII FCB FLUID	henyls LIQUID	1 Tr	16,634	K M0G2
GENE		2.				
		3.				
iu] =] +		4.				
		Bike and contain in case of strike IN: 730/PIME OUT: 1/2 Broker Env. Projects Inc. GENERATOR'S/OFFEROR'S CERTIFICATION: Thereby declare that marked and labeled/placarded, and are in all respects in proper condition Exporter, I certify that the contents of this consignment conform to the tell certify that the waste minimization statement identified in 40 CFR 262.3 mergator's/Offeror's Printed/Typed Name	the contents of this consignment are full in for transport according to applicable in trins of the attached EPA Acknowledgme (7(a) (if I am a large quantity generator) Signature	y and accurately described above nternational and national government of Consent. or (b) (if I am a small quantity ge	by the proper ship ental regulations. If	ping name, and are classified, packaged
INT'L +		International Shipments Import to U.S.	Export from U.S.	Port of entry/exit:	Leage	7 20
	17.	Insporter signature (for exports only): Transporter Acknowledgment of Receipt of Materials Insporter 1 Printed Typed Name		Date leaving U.S.:		
TRANSPORTER		nsporter 2 Printed/Typed Name	Signature Signature	o they		Month Day Year Month Day Year
1		Discrepancy				
	18a.	Discrepancy Indication Space Quantity	Туре	Residue Manifest Reference Number:	Partial Reject	ion Full Rejection
FACILI		. Alternate Facility (or Generator)			U.S. EPA ID Nur	nber
SNATED	18c.	Signature of Alternate Facility (or Generator) Hazardous Waste Report Management Method Codes (i.e., codes for haze	ardour worth fractional illinois 1	polaling quota		Month Day Year
	1.	HO10 H141 2.	3.		4.	
	Print	Designated Facility Owner or Operator: Certification of receipt of hazardou ted/Typed Name 8700-22 (Rev. 12-17) Previous editions are obsolete.	s materials covered by the manifest exc Signature	ept as noted in Item 18a		Month Day Year



TCI OF ALABAMA, LLC

Receiving Report for Shipment

202981

Company_Name

NATURAL RESOURCES

EPA ID Number

MED985467547

Date_Pickup

9/22/2020

ID_Manifest

006439366GBF

# Gen Ref #	Serial #	Туре	Size	PCB (ppm)	RFS	Gals	Lbs	Kg
PCB FLUID >499 PPI	/I PCBS							
001	TANKER	LIQUID	0	500	9/22/2020	4720.0	35400	16091
Quantity: 1		Sum	0		Sum	4720.0	35400	16091
Total Qty: 1		Total	0		Total	4720.0	35400	16091

PDen

Month

Day

Year



TCI OF ALABAMA, LLC

Receiving Report for Shipment

202985

Company_Name

NATURAL RESOURCES

EPA ID Number

MED985467547

Date_Pickup

9/22/2020

ID_Manifest

006439367GBF

#	Gen Ref #	Serial #	Tuna	0:	DOD ()				
	——————————————————————————————————————		Туре	Size	PCB (ppm)	RFS	Gals	Lbs	Kg
PCB F	FLUID >499 PP	M PCBS							
001		TANKER #216	LIQUID	0	600000	9/22/2020	998.9	12400	5636
Quan	tity: 1		Sum	0		Sum	998.9	12400	5636
Total	Qty: 1		Total	0		Total	998.9	12400	5636

Signature

Month

Day



Receiving Report for Shipment

202981

Company_Name

NATURAL RESOURCES

EPA ID Number

MED985467547

Date_Pickup

ID_Manifest

006439366GBF

9/22/2020

#	Gen Ref #	Serial #	Туре	Size	PCB (ppm)	RFS	Gals	Lbs	Kg
PCB F	FLUID >499 PPN	F PCBS							
001		TANKER	LIQUID	0	500	9/22/2020	4720.0	35400	16091
Quan	itity: 1		Sum	0		Sum	4720.0	35400	16091
Total	Qty: 1		Total	0		Total	4720.0	35400	16091

Please print or type. OCT 1 2 2020		CO				
WASTE MANIEGET M. F. FIG. 8 C. A. C. P. 2. Page 1 of 3.	CCN222702 Emergency Response F	LPZ	98	Approv	ed. OMB	No. 20
5. Generator Name and Mailing Address T. T. T.	800-424-9	900	anifest Trackli 0064			
c/o Marce Parante (egovice) Ge	nerator's Site Address (if	different than mailing	address)	333	200	<u>GB</u>
Street 485 west Potnam Ave	irch Point	Road		garja ta jije	20-	-045
Generalor's Phone: Jonaph Cattle Green Which CT 06830		WE U4578				-
o. transporter I Company Name Daniel PernesSi						
7. Transportation Co. Inc.	Area and a virtual or	W101 L	THE PROPERTY			
To support 2 Company Name	W HART IN	L M	DO 7 1	. 62 9	97	б.
8. Designated Facility Name and Site Address		, U.S. E	A ID Number			
TOT ALADAMA. T.T.		USE	A ID Number			42
101 Parkway East Pell City, AL 25125		5.1 A.M. 1981. 1981.	AUD MOUIDED		, " · · ·	
raciny's Phone:						
9a. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, HM and Packing Group (if any))	7 5. 1 10 2 m= 1	PL	D9 8 S	167	8 9 :	1.
	10. Containers	- 11. Tota	12. Uni	T		
X RQ UN2315 Polyablariant V S	No.	Type Quantity			Waste Cod	tes :
RQ UN2315 Polychlorinated Biphenyls LIQUID 9. PGIII PCB FLUID 2.	1 1	TT -		M002		Tis
2,		TT 570	2 K		200	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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		10 X	1 1	1	20.00	0.00
4. Special Handling Instructions and Additional Information	1	,				
Dike and contain in case of spill ERG-171 Emer TIME IN: 7:30 A TIME OUT: 1:15 POSD: 09/22/2 Broker: Env. Projects Tr						
Dike and contain in case of spill. ERG-171 Emg-171 Emg-171 English Time IN: 7:30 A TIME OUT: 1.15 OSD: 09/22/2 Ercker: Env. Projects, Inc. Quote: 1911019N 5. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully, are marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable intentional contents of the contents of this consignment conform to the terms of the attached EPAAcknowledgment of the contents of t	nd accurately described a	Mason	Ctati			ged,
Dike and contain in case of spill ERG-171 Emer TIME IN: 7:30 A TIME OUT: 1:5 003D: 09/21/2 Broker: Env. Projects, Inc. Quote: 1911019N Generators/Sofferors Certification: Thereby declare that the contents of this consignment are fully, are marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable intentional execution of the contents of the contents of the contents of the contents of the attached EPAAcknowledgment of the contents of the contents of the contents of the attached EPAAcknowledgment of the contents of	nd accurately described a national and national gov of Consent. b) (if I am a small quantit	Mason bove by the proper semmental regulation y generator) is true.	Ctati	and are classi ment and I am	fied, packag 1 the Primar	y
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5. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully, an marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable intention of the certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (international Shipments	nd accurately described a national and national gov of Consent. b) (if I am a small quantity) (if I a	Mason bove by the proper semmental regulation y generator) is true.	Station Stipping name, s. If export ship	Month 9 Month	Day Day Day Day Day	Year Year Year Year
Dike and contain in case of spill ERG-171 Ender TIME IN: 7:30 A TIME OUT: 003D: 09/23/2 Broker: Env - Projects, Inc - Quote: 1911019N 5. GENERATOR'S/OFFEROR'S CERTIFICATION: Thereby declare that the contents of this consignment are fully are marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable inter Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment I certify that the waste minimization statement identified in 40 CFR 26.27(a) (if I am a large quantity generator) or (energtor's) Offeror's Printed/Typed Name The Acknowledgment of Receipt of Materials International Shipments Import to U.S. Export from U.S. International Shipments Import to U.S. Export from U.S. International Shipments Signature Signature Signature Signature Signature Discrepancy Indication Space Quantity Type Manife Alternate Facility (or Generator) Alternate Facility (or Generator) We Phone: Signature of Alternate Facility (or Generator) Alternate Facility (or Generator) Alternate Facility (or Generator) Alternate F	and accurately described a national and national gov of Consent. b) (if I am a small quantity) Port of entry/exit: Date leaving U.S.: Residue est Reference Number:	Mason bove by the proper semmental regulation y generator) is true.	Station Stipping name, s. If export ship	Month 9 Month	Day Day Day Day Day	Year Year Year Year
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Receiving Report for Shipment

202985

Company_Name

NATURAL RESOURCES

EPA ID Number

MED985467547

Date_Pickup

ckup 9/22/2020

ID_Manifest 006439367GBF

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001		TANKER #216	LIQUID	0	600000	9/22/2020	998.9	12400	5636
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	u Va		Total	0		Total	998.9	12400	5636

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	1. T. St.	405 - Weet. I	11th man 2			Birch	Address (if differer Point Ro:	ad	o almos o	Y	20-	-0501
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11	8. De	esignaled Facility Name an	d Site Address									
\parallel		101 Parkwa	v East					U.S. EPA ID	Number			
П	Facili	Pell City, bys Phone:	AL 35125		18							
11	9a.	9b. U.S. DOT Description	n finduding Proper Shipping	205-; Name, Hazard Class, ID Number,	338-9997	-		ly r na	8 3	167	8 9	1
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ľ	ma:	NEKATOR'S/OFFEROR'S ked and labeled/placarded	CERTIFICATION: I hereby d	eclare that the contents of this co	nsignment are full	and accurately	y described above	hy the proper chion	ing name			
	Exp	orter, I certify that the conte tify that the waste minimize	ents of this consignment confo	eclare that the contents of this co per condition for transport accord orm to the terms of the attached E	ing to applicable in PA Acknowledgme	temational and	national governme	ntal regulations. If	export ships	nentand I am	neo, packa i the Prima	ged, - ry
G	enerate	Cal Offeror's Printed/Typed	Namo	orm to the terms of the attached E D CFR 262.27(a) (if I am a large q	uantity generator)	gr (b) (ift am a	small quantity gene	erator) is true.		# 1	. TX	-711
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17	Transe	er signature (for exports on orter Acknowledgment of R	ily):		port from 0,5,	Port of Date le	entry/exit: aving U.S.:					
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18	Discrep	agent			1					Month	Day	Year-
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Facil	ily's Ph	one:						O.O. LI AID NUMBE	pt.			
8c.	Signatu	re of Alternate Facility (or C	Senerator)		-		* h					- 1
			To Day on:						_	Month	Day	Year
9. H	azardo	us Waste Report Managem	ent Method Codes (i.e., code	s for hazardous waste treatment,	disposal, and recu	clina systems)					. [
ò	H	010	2		3.	and avarents)		14.				
). De	esignate	ed Facility Owner or Operat	or Certification of	,				: "				
inte	Typed	Name	or. Certification of receipt of h	azardous malerials covered by th	e manifest except	as noted in Hen	n 18a			,		
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orm	8/00%	2 (Rev. 12-17) Previou	IS editions are obsoleto	Commence of the second second second		11 6	1	(101	1 17	0



Receiving Report for Shipment

203080

Company_Name

NATURAL RESOURCES

EPA ID Number

MED985467547

Date_Pickup

ID_Manifest

006439375GBF

9/28/2020

_		4				_		*** .020,3	CDI
#	Gen Ref#	Serial #	Туре	Size	PCB (ppm)	RFS	Gals	Lbs	Kg
DRAIN	NED PCB ELEC	TRICAL EQUIPIV	TENT				The second second		
001 002	PAD 1 PAD 4	B-363190 78477-1	PADMOUNT	3000	500	9/22/2020	0.0	18330	8332
	- Угран	70477-1	PADMOUNT	1380	500	9/22/2020	0.0	18330	8332
	tity: 2		Sum	4380		Sum	0.0	36660	16664
Total	Qty: 2		Total	4380	The state of the s	Total	0.0	36660	16664

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

urden

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

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Year



Receiving Report for Shipment

203127

Company_Name

NATURAL RESOURCES

EPA ID Number

MED985467547

Date_Pickup

9/28/2020

ID_Manifest

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- Attention								000-1000//	UDF
#	Gen Ref#	Serial #	Туре	Size	PCB (ppm)	RFS	Gals	Lbs	i/a
DRAIN	IED PCB ELEC	RICAL EQUIPN	//ENT		No.				Kg
001	PAD 2	28480-1	PADMOUNT	3125					
002	PAD 3	28479-1	PADMOUNT		500	9/22/2020	0.0	15710	7141
				2500	500	9/22/2020	0.0	15710	7141
-	ity: 2		Sum	5625	N. N	Sum	0.0	31420	14282
Total (Qty: 2		Total	5005			~	01120	14202
			TOLAT	5625		Total	0.0	31420	14282

ATTACHMENT D

Photograph Log

Electrical Transformer Removal and Disposal Mason Station Powerhouse Wiscasset, Maine



Photo 1: Removal of Transformer No. 28479-1.



Photo 2: Removal of Transformer No. 28479-1.



Photo 3: Loading Transformer No. 28479-1 for transport.



Photo 4: Concrete Pad following removal of Transformer No. 28479-1.



Photo 5: Removal of Transformer No. 28477-1.



Photo 6: Loading Transformer No. 28477-1 for transport.



Photo 7: Concrete pad following removal of Transformer No. 28477-1.



Photo 8: Removal of Transformer No. 28480-1.



Photo 9: Concrete pad following removal of Transformer No. 28480-1.



Photo 10: Removal of Transformer No. B-363190.



Photo 11: Loading Transformer B-363190 for transport with Transformer 28480-1.



Photo 12: Concrete pad following removal of Transformer No. B363190.



Photo 13: Transformer Serial Number 50539.



Photo 14: Location of Transformer Serial Number 50539 following removal.



Photo 15: Transformer Serial number 51951.



Photo 16: Location of Transformer Serial number 51951 following removal.



Photo 17: Transformer Serial Number 51336.



Photo 18: Location of Transformer Serial Number 51336 following removal.



Photo 19: Transformer Serial Number 51337.



Photo 20: Location of Transformer Serial Number 51337 following removal.



Photo 21: Transformer Serial Number 50541.



Photo 22: Location of Transformer Serial Number 50541 following removal.



Photo 23: Transformer No I.D. Number.



Photo 24: Location of Transformer No I.D. Number, following removal.



Photo 25: Transformer Serial Numbers 51334 and 51335 in spill containment structure.



Photo 26: Spill containment structure following removal of Transformer Serial Numbers 51334 and 51335, oily water, and concrete.



Photo 27: Oily water from spill containment structure, awaiting shipment as TSCA-regulated waste.



Photo 28: Totes of demolished concrete from spill containment structure, awaiting transport for disposal.



Photo 29: Transformer Serial Numbers 516107 and 516678.



Photo 30: Location of Transformer Serial Numbers 516107 and 516678 following removal.

ATTACHMENT E

Laboratory Analytical Reports

Electrical Transformer Removal and Disposal Mason Station Powerhouse Wiscasset, Maine



ANALYTICAL REPORT

Lab Number: L2048099

Client: Environmental Projects, Inc

P.O. Box 1417

Auburn, ME 04211-1417

ATTN: Brian Fons
Phone: (207) 786-7390

Project Name: EP-14708
Project Number: EP-14708
Report Date: 11/05/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019 508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: EP-14708 **Project Number:** EP-14708

 Lab Number:
 L2048099

 Report Date:
 11/05/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2048099-01	WIPE-51334	WIPE	WISCASSET	10/30/20 10:00	11/03/20
L2048099-02	WIPE-51335	WIPE	WISCASSET	10/30/20 10:10	11/03/20



 Project Name:
 EP-14708
 Lab Number:
 L2048099

 Project Number:
 EP-14708
 Report Date:
 11/05/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Title: Technical Director/Representative Date: 11/05/20

Melissa Sturgis Melissa Sturgis

ALPHA

ORGANICS



PCBS



Project Name: EP-14708 Lab Number: L2048099

Project Number: EP-14708 Report Date: 11/05/20

SAMPLE RESULTS

Lab ID: L2048099-01 Date Collected: 10/30/20 10:00

Client ID: WIPE-51334 Date Received: 11/03/20 Sample Location: WISCASSET Field Prep: Not Specified

Sample Depth:

Matrix: Wipe Extraction Method: EPA 3540C

Analytical Method: 1,8082A Extraction Date: 11/03/20 20:45
Analytical Date: 11/05/20 04:52 Cleanup Method: EPA 3665A

Analyst: JM Cleanup Date: 11/05/20
Cleanup Method: EPA 3660B
Cleanup Date: 11/05/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by G	GC - Westborough Lab						
Aroclor 1016	ND		ug Abs	0.500		1	Α
Aroclor 1221	ND		ug Abs	0.500		1	Α
Aroclor 1232	ND		ug Abs	0.500		1	Α
Aroclor 1242	ND		ug Abs	0.500		1	Α
Aroclor 1248	ND		ug Abs	0.500		1	Α
Aroclor 1254	ND		ug Abs	0.500		1	Α
Aroclor 1260	ND		ug Abs	0.500		1	Α
Aroclor 1262	ND		ug Abs	0.500		1	Α
Aroclor 1268	ND		ug Abs	0.500		1	А
PCBs, Total	ND		ug Abs	0.500		1	Α

			Acceptance	
Surrogate	% Recovery	Qualifier	Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	В
Decachlorobiphenyl	75		30-150	В
2,4,5,6-Tetrachloro-m-xylene	68		30-150	Α
Decachlorobiphenyl	86		30-150	Α



Project Name: EP-14708 Lab Number: L2048099

Project Number: EP-14708 Report Date: 11/05/20

SAMPLE RESULTS

Lab ID: L2048099-02 Date Collected: 10/30/20 10:10

Client ID: WIPE-51335 Date Received: 11/03/20 Sample Location: WISCASSET Field Prep: Not Specified

Sample Depth:

Matrix: Wipe Extraction Method: EPA 3540C

Analytical Method: 1,8082A Extraction Date: 11/03/20 20:45
Analytical Date: 11/05/20 04:59 Cleanup Method: EPA 3665A

Analyst: JM Cleanup Date: 11/05/20
Cleanup Method: EPA 3660B
Cleanup Date: 11/05/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC	C - Westborough Lab						
Aroclor 1016	ND		ug Abs	0.500	<u></u>	1	Α
Aroclor 1221	ND		ug Abs	0.500		1	Α
Aroclor 1232	ND		ug Abs	0.500		1	Α
Aroclor 1242	ND		ug Abs	0.500		1	Α
Aroclor 1248	ND		ug Abs	0.500		1	Α
Aroclor 1254	ND		ug Abs	0.500		1	Α
Aroclor 1260	ND		ug Abs	0.500		1	Α
Aroclor 1262	ND		ug Abs	0.500		1	Α
Aroclor 1268	ND		ug Abs	0.500		1	Α
PCBs, Total	ND		ua Abs	0.500		1	Α

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	В
Decachlorobiphenyl	74		30-150	В
2,4,5,6-Tetrachloro-m-xylene	71		30-150	Α
Decachlorobiphenyl	87		30-150	Α

Project Name: EP-14708 Lab Number: L2048099

Project Number: EP-14708 Report Date: 11/05/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A Analytical Date: 11/05/20 04:31

Analyst: JM

Extraction Method: EPA 3540C
Extraction Date: 11/03/20 20:45
Cleanup Method: EPA 3665A
Cleanup Date: 11/05/20
Cleanup Method: EPA 3660B
Cleanup Date: 11/05/20

Parameter	Result	Qualifier	Units	RL		MDL	Column
Polychlorinated Biphenyls by GC	- Westborough	n Lab for s	ample(s):	01-02	Batch:	WG14	30018-1
Aroclor 1016	ND		ug Abs	0.500			А
Aroclor 1221	ND		ug Abs	0.500			Α
Aroclor 1232	ND		ug Abs	0.500			Α
Aroclor 1242	ND		ug Abs	0.500			Α
Aroclor 1248	ND		ug Abs	0.500			Α
Aroclor 1254	ND		ug Abs	0.500			Α
Aroclor 1260	ND		ug Abs	0.500			Α
Aroclor 1262	ND		ug Abs	0.500			Α
Aroclor 1268	ND		ug Abs	0.500			А
PCBs, Total	ND		ug Abs	0.500			Α

	Acceptance							
Surrogate	%Recovery Qualifi	er Criteria	Column					
2,4,5,6-Tetrachloro-m-xylene	65	30-150	В					
Decachlorobiphenyl	70	30-150	В					
2,4,5,6-Tetrachloro-m-xylene	61	30-150	Α					
Decachlorobiphenyl	78	30-150	Α					



Lab Control Sample Analysis Batch Quality Control

Project Name: EP-14708
Project Number: EP-14708

708

Lab Number:

L2048099

Report Date:

11/05/20

	LCS		LCSD		%Recovery			RPD	
Parameter	%Recovery	Qual	%Recovery	Qual	Limits	RPD	Qual	Limits	Column
Polychlorinated Biphenyls by GC - Westbord	ough Lab Associa	ated sample(s)	: 01-02 Batch	: WG1430	0018-2 WG143001	18-3			
Aroclor 1016	88		85		40-140	4		50	Α
Aroclor 1260	74		69		40-140	6		50	Α

Surrogate	LCS %Recovery C	LCSD Qual %Recovery Qual	Acceptance Criteria Column
2,4,5,6-Tetrachloro-m-xylene	71	67	30-150 B
Decachlorobiphenyl	70	69	30-150 B
2,4,5,6-Tetrachloro-m-xylene	69	64	30-150 A
Decachlorobiphenyl	87	77	30-150 A



Lab Number: L2048099

Report Date: 11/05/20

Sample Receipt and Container Information

Were project specific reporting limits specified?

Cooler Information

Project Name:

Cooler Custody Seal

EP-14708

A Absent

Project Number: EP-14708

Container Info	rmation		Initial		nitial Final Temp F		Frozen			
Container ID	Container Type	Cooler		рН	deg C	Pres	Seal	Date/Time	Analysis(*)	
L2048099-01A	Glass 120ml/4oz w/1:4 Acetone:Hexane	Α	NA		2.5	Υ	Absent		PCB-8082-3540C(14)	
I 2048099-02A	Glass 120ml/4oz w/1·4 Acetone:Hexane	Α	NA		2.5	Υ	Absent		PCB-8082-3540C(14)	



 Project Name:
 EP-14708
 Lab Number:
 L2048099

 Project Number:
 EP-14708
 Report Date:
 11/05/20

GLOSSARY

Acronyms

EDL

LOQ

MS

NP

RPD

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis

of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

 Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

 Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile

Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



 Project Name:
 EP-14708
 Lab Number:
 L2048099

 Project Number:
 EP-14708
 Report Date:
 11/05/20

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benza(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
- H The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I The lower value for the two columns has been reported due to obvious interference.
- J Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- **ND** Not detected at the reporting limit (RL) for the sample.
- NJ Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- **P** The RPD between the results for the two columns exceeds the method-specified criteria.

Report Format: Data Usability Report



 Project Name:
 EP-14708
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 L2048099

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 EP-14708
 Report Date:
 11/05/20

Data Qualifiers

Q -The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

- **R** Analytical results are from sample re-analysis.
- $\boldsymbol{RE} \quad \ \, \text{-Analytical results} \text{ are from sample re-extraction}.$
- S Analytical results are from modified screening analysis.

Report Format: Data Usability Report



 Project Name:
 EP-14708
 Lab Number:
 L2048099

 Project Number:
 EP-14708
 Report Date:
 11/05/20

REFERENCES

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc. Facility: Company-wide

Revision 17 Published Date: 4/28/2020 9:42:21 AM Department: Quality Assurance Title: Certificate/Approval Program Summary

Page 1 of 1

ID No.:17873

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: lodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene

EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

EPA TO-12 Non-methane organics

EPA 3C Fixed gases

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; EPA 353.2: Nitrate-N, Nitrite-N; SM4500NO3-F: Nitrate-N, Nitrite-N; SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; EPA 524.2: THMs and VOCs; EPA 504.1: EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, EPA 350.1: Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, EPA 351.1, SM4500NO3-F, EPA 353.2: Nitrate-N, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate. **EPA 624.1**: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan II, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), EPA 600/4-81-045: PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. EPA 200.8: Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. EPA 245.1 Hg. EPA 522.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Pre-Qualtrax Document ID: 08-113 Document Type: Form

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ANALYTICAL REPORT

Lab Number: L2054723

Client: Environmental Projects, Inc

P.O. Box 1417

Auburn, ME 04211-1417

ATTN: Brian Fons
Phone: (207) 786-7390

Project Name: MASON STATION

Project Number: EP-14708
Report Date: 12/10/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019 508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: MASON STATION

Project Number: EP-14708

Lab Number: L2054723 **Report Date:** 12/10/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2054723-01	51336	WIPE	WISCASSET	12/07/20 14:15	12/08/20
L2054723-02	51337	WIPE	WISCASSET	12/07/20 14:20	12/08/20
L2054723-03	B516678	WIPE	WISCASSET	12/08/20 08:20	12/08/20
L2054723-04	B516107	WIPE	WISCASSET	12/08/20 08:30	12/08/20
L2054723-05	51335	WIPE	WISCASSET	12/08/20 12:05	12/08/20
L2054723-06	51334	WIPE	WISCASSET	12/08/20 13:25	12/08/20



Serial No:12102012:54

Project Name:MASON STATIONLab Number:L2054723Project Number:EP-14708Report Date:12/10/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Title: Technical Director/Representative Date: 12/10/20

Melissa Sturgis Melissa Sturgis

ALPHA

ORGANICS



PCBS



Project Name: MASON STATION Lab Number: L2054723

Project Number: EP-14708 Report Date: 12/10/20

SAMPLE RESULTS

Lab ID: L2054723-01 Date Collected: 12/07/20 14:15

Client ID: 51336 Date Received: 12/08/20 Sample Location: WISCASSET Field Prep: Not Specified

Sample Depth:

Matrix: Wipe Extraction Method: EPA 3540C

Analytical Method: 1,8082A Extraction Date: 12/08/20 23:23
Analytical Date: 12/09/20 20:44 Extraction Date: 12/08/20 23:23

Analyst: JAW Cleanup Date: 12/09/20
Cleanup Method: EPA 3660B
Cleanup Date: 12/09/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC	C - Westborough Lab						
Aroclor 1016	ND		ug Abs	0.500		1	А
Aroclor 1221	ND		ug Abs	0.500		1	Α
Aroclor 1232	ND		ug Abs	0.500		1	Α
Aroclor 1242	ND		ug Abs	0.500		1	Α
Aroclor 1248	ND		ug Abs	0.500		1	Α
Aroclor 1254	ND		ug Abs	0.500		1	Α
Aroclor 1260	ND		ug Abs	0.500		1	Α
Aroclor 1262	ND		ug Abs	0.500		1	Α
Aroclor 1268	ND		ug Abs	0.500		1	А
PCBs, Total	ND		ug Abs	0.500		1	Α

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	В
Decachlorobiphenyl	53		30-150	В
2,4,5,6-Tetrachloro-m-xylene	51		30-150	Α
Decachlorobiphenyl	62		30-150	Α



12/09/20

Cleanup Date:

Project Name: MASON STATION Lab Number: L2054723

Project Number: EP-14708 Report Date: 12/10/20

SAMPLE RESULTS

Lab ID: L2054723-02 Date Collected: 12/07/20 14:20

Client ID: 51337 Date Received: 12/08/20 Sample Location: WISCASSET Field Prep: Not Specified

Sample Depth:

Matrix: Wipe Extraction Method: EPA 3540C
Analytical Method: 1,8082A Extraction Date: 12/08/20 23:23
Analytical Date: 12/09/20 20:51 Cleanup Method: EPA 3665A

Analytical Date: 12/09/20 20:51 Cleanup Method: EPA 3665A
Analyst: JAW Cleanup Date: 12/09/20
Cleanup Method: EPA 3660B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westb	orough Lab						
Aroclor 1016	ND		ug Abs	0.500		1	Α
Aroclor 1221	ND		ug Abs	0.500		1	Α
Aroclor 1232	ND		ug Abs	0.500		1	Α
Aroclor 1242	ND		ug Abs	0.500		1	Α
Aroclor 1248	ND		ug Abs	0.500		1	Α
Aroclor 1254	ND		ug Abs	0.500		1	Α
Aroclor 1260	ND		ug Abs	0.500		1	Α
Aroclor 1262	ND		ug Abs	0.500		1	Α
Aroclor 1268	ND		ug Abs	0.500		1	Α
PCBs, Total	ND		ug Abs	0.500		1	Α

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	В
Decachlorobiphenyl	47		30-150	В
2,4,5,6-Tetrachloro-m-xylene	51		30-150	Α
Decachlorobiphenyl	56		30-150	Α



Project Name: MASON STATION Lab Number: L2054723

Project Number: EP-14708 Report Date: 12/10/20

SAMPLE RESULTS

 Lab ID:
 L2054723-03
 Date Collected:
 12/08/20 08:20

 Client ID:
 B516678
 Date Received:
 12/08/20

Client ID: B516678 Date Received: 12/08/20
Sample Location: WISCASSET Field Prep: Not Specified

Sample Depth:

Matrix: Wipe Extraction Method: EPA 3540C
Analytical Method: 1,8082A Extraction Date: 12/08/20 23:23

Analystical Date: 12/09/20 20:58

Analyst: JAW

Cleanup Method: EPA 3665A

Cleanup Date: 12/09/20

Cleanup Method: EPA 3660B Cleanup Date: 12/09/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westl	oorough Lab						
Aroclor 1016	ND		ug Abs	0.500		1	Α
Aroclor 1221	ND		ug Abs	0.500		1	Α
Aroclor 1232	ND		ug Abs	0.500		1	Α
Aroclor 1242	ND		ug Abs	0.500		1	Α
Aroclor 1248	ND		ug Abs	0.500		1	Α
Aroclor 1254	ND		ug Abs	0.500		1	Α
Aroclor 1260	ND		ug Abs	0.500		1	Α
Aroclor 1262	ND		ug Abs	0.500		1	Α
Aroclor 1268	ND		ug Abs	0.500		1	Α
PCBs, Total	ND		ug Abs	0.500		1	Α

		Acceptance			
Surrogate	% Recovery	Qualifier	Criteria	Column	
2,4,5,6-Tetrachloro-m-xylene	53		30-150	В	
Decachlorobiphenyl	49		30-150	В	
2,4,5,6-Tetrachloro-m-xylene	47		30-150	Α	
Decachlorobiphenyl	60		30-150	Α	



Project Name: MASON STATION Lab Number: L2054723

Project Number: EP-14708 Report Date: 12/10/20

SAMPLE RESULTS

Lab ID: L2054723-04 Date Collected: 12/08/20 08:30

Client ID: B516107 Date Received: 12/08/20 Sample Location: WISCASSET Field Prep: Not Specified

Sample Depth:

Matrix: Wipe Extraction Method: EPA 3540C
Analytical Method: 1,8082A Extraction Date: 12/08/20 23:23

Analytical Date: 12/09/20 21:05
Analyst: JAW

Cleanup Method: EPA 3665A
Cleanup Date: 12/09/20

Cleanup Method: EPA 3660B Cleanup Date: 12/09/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by C	GC - Westborough Lab						
Aroclor 1016	ND		ug Abs	0.500		1	Α
Aroclor 1221	ND		ug Abs	0.500		1	Α
Aroclor 1232	ND		ug Abs	0.500		1	Α
Aroclor 1242	ND		ug Abs	0.500		1	Α
Aroclor 1248	ND		ug Abs	0.500		1	Α
Aroclor 1254	ND		ug Abs	0.500		1	Α
Aroclor 1260	ND		ug Abs	0.500		1	Α
Aroclor 1262	ND		ug Abs	0.500		1	Α
Aroclor 1268	ND		ug Abs	0.500		1	Α
PCBs, Total	ND		ua Abs	0.500		1	Α

		Acceptance	е	
Surrogate	% Recovery	Qualifier	Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	В
Decachlorobiphenyl	61		30-150	В
2,4,5,6-Tetrachloro-m-xylene	54		30-150	Α
Decachlorobiphenyl	72		30-150	Α



Project Name: MASON STATION Lab Number: L2054723

Project Number: EP-14708 Report Date: 12/10/20

SAMPLE RESULTS

Lab ID: L2054723-05 Date Collected: 12/08/20 12:05

Client ID: 51335 Date Received: 12/08/20 Sample Location: WISCASSET Field Prep: Not Specified

Sample Depth:

Matrix: Wipe Extraction Method: EPA 3540C

Analytical Method: 1,8082A Extraction Date: 12/08/20 23:23
Analytical Date: 12/09/20 21:12 Cleanup Method: EPA 3665A

Analyst: JAW Cleanup Date: 12/09/20
Cleanup Method: EPA 3660B
Cleanup Date: 12/09/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC	C - Westborough Lab						
Aroclor 1016	ND		ug Abs	0.500		1	А
Aroclor 1221	ND		ug Abs	0.500		1	Α
Aroclor 1232	ND		ug Abs	0.500		1	Α
Aroclor 1242	ND		ug Abs	0.500		1	Α
Aroclor 1248	ND		ug Abs	0.500		1	Α
Aroclor 1254	ND		ug Abs	0.500		1	Α
Aroclor 1260	ND		ug Abs	0.500		1	Α
Aroclor 1262	ND		ug Abs	0.500		1	А
Aroclor 1268	ND		ug Abs	0.500		1	А
PCBs, Total	ND		ug Abs	0.500		1	Α

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	В
Decachlorobiphenyl	52		30-150	В
2,4,5,6-Tetrachloro-m-xylene	47		30-150	Α
Decachlorobiphenyl	59		30-150	Α

Project Name: MASON STATION Lab Number: L2054723

Project Number: EP-14708 Report Date: 12/10/20

SAMPLE RESULTS

Lab ID: L2054723-06 Date Collected: 12/08/20 13:25

Client ID: 51334 Date Received: 12/08/20 Sample Location: WISCASSET Field Prep: Not Specified

Sample Depth:

Matrix: Wipe Extraction Method: EPA 3540C
Analytical Method: 1,8082A Extraction Date: 12/08/20 23:23

Analytical Date: 12/09/20 21:19
Analytical Date: JAW

Cleanup Method: EPA 3665A
Cleanup Date: 12/09/20

Cleanup Method: EPA 3660B Cleanup Date: 12/09/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by Go	C - Westborough Lab						
Aroclor 1016	ND		ug Abs	0.500		1	Α
Aroclor 1221	ND		ug Abs	0.500		1	A
Aroclor 1232	ND		ug Abs	0.500		1	A
Aroclor 1242	ND		ug Abs	0.500		1	Α
Aroclor 1248	ND		ug Abs	0.500		1	Α
Aroclor 1254	ND		ug Abs	0.500		1	Α
Aroclor 1260	ND		ug Abs	0.500		1	Α
Aroclor 1262	ND		ug Abs	0.500		1	Α
Aroclor 1268	ND		ug Abs	0.500		1	Α
PCBs. Total	ND		ua Abs	0.500		1	Α

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	В
Decachlorobiphenyl	53		30-150	В
2,4,5,6-Tetrachloro-m-xylene	53		30-150	Α
Decachlorobiphenyl	63		30-150	Α



L2054723

Project Name: MASON STATION Lab Number:

Project Number: EP-14708 Report Date: 12/10/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A Analytical Date: 12/09/20 20:24

Analyst: JAW

Extraction Method: EPA 3540C
Extraction Date: 12/08/20 23:23
Cleanup Method: EPA 3665A
Cleanup Date: 12/09/20
Cleanup Method: EPA 3660B
Cleanup Date: 12/09/20

	Qualifier	Units	RL		MDL	Column
Westborough	Lab for sa	ample(s):	01-06	Batch:	WG144	12599-1
ND		ug Abs	0.500			А
ND		ug Abs	0.500			Α
ND		ug Abs	0.500			Α
ND		ug Abs	0.500			Α
ND		ug Abs	0.500			Α
ND		ug Abs	0.500			Α
ND		ug Abs	0.500			А
ND		ug Abs	0.500			А
ND		ug Abs	0.500			Α
ND		ug Abs	0.500			Α
	ND N	ND N	ND ug Abs	ND ug Abs 0.500 ND ug Abs 0.500	ND ug Abs 0.500 ND ug Abs 0.500	ND ug Abs 0.500 ND ug Abs 0.500

		Acceptance			
Surrogate	%Recovery Qualifier	Criteria	Column		
O 45 O Tytoshlov vy vylysy	50	00.450	_		
2,4,5,6-Tetrachloro-m-xylene	59	30-150	В		
Decachlorobiphenyl	53	30-150	В		
2,4,5,6-Tetrachloro-m-xylene	52	30-150	Α		
Decachlorobiphenyl	58	30-150	Α		



Lab Control Sample Analysis Batch Quality Control

Project Name: MASON STATION

Project Number:

EP-14708

Lab Number:

L2054723

Report Date:

12/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column	
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1442599-2 WG1442599-3										
Aroclor 1016	68		64		40-140	6		50	Α	
Aroclor 1260	62		59		40-140	6		50	Α	

Surrogate	LCS %Recovery Q	LCSD ual %Recovery Qual	Acceptance Criteria Column
2,4,5,6-Tetrachloro-m-xylene	56	55	30-150 B
Decachlorobiphenyl	51	52	30-150 B
2,4,5,6-Tetrachloro-m-xylene	54	50	30-150 A
Decachlorobiphenyl	60	56	30-150 A

Lab Number: L2054723

Report Date: 12/10/20

Project Name: MASON STATION

Project Number: EP-14708

Sample Receipt and Container Information

Were project specific reporting limits specified?

Cooler Information

Cooler Custody Seal

A Absent

Container Info	Initial	Final	Temp			Frozen			
Container ID	er ID Container Type Cooler			pН	deg C	Pres	Seal	Date/Time	Analysis(*)
L2054723-01A	Glass 120ml/4oz w/1:4 Acetone:Hexane	Α	NA		2.9	Υ	Absent		PCB-8082-3540C(14)
L2054723-02A	Glass 120ml/4oz w/1:4 Acetone:Hexane	Α	NA		2.9	Υ	Absent		PCB-8082-3540C(14)
L2054723-03A	Glass 120ml/4oz w/1:4 Acetone:Hexane	Α	NA		2.9	Υ	Absent		PCB-8082-3540C(14)
L2054723-04A	Glass 120ml/4oz w/1:4 Acetone:Hexane	Α	NA		2.9	Υ	Absent		PCB-8082-3540C(14)
L2054723-05A	Glass 120ml/4oz w/1:4 Acetone:Hexane	Α	NA		2.9	Υ	Absent		PCB-8082-3540C(14)
L2054723-06A	Glass 120ml/4oz w/1:4 Acetone:Hexane	Α	NA		2.9	Υ	Absent		PCB-8082-3540C(14)



Project Name: Lab Number: MASON STATION L2054723

Project Number: EP-14708 **Report Date:** 12/10/20

GLOSSARY

Acronyms

LCSD

LOQ

MS

RPD

SRM

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments

from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis

of PAHs using Solid-Phase Microextraction (SPME).

Laboratory Control Sample Duplicate: Refer to LCS.

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case

estimate of the concentration. **EPA**

Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of

analytes or a material containing known and verified amounts of analytes.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats

MDI - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile

Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the

associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEO - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



Project Name:MASON STATIONLab Number:L2054723Project Number:EP-14708Report Date:12/10/20

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'. Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon

receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benza(a)anthracene, C1-C4 Chrysenes, Benza(b)fluoranthene, Benza(j)+(k)fluoranthene, Benza(e)pyrene,

results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a "Total' result is requested, the results of its individual components will also be reported.

Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a "Total' result is requested, the

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A -Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
- H The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I The lower value for the two columns has been reported due to obvious interference.
- J Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- **ND** Not detected at the reporting limit (RL) for the sample.
- NJ Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report



Project Name:MASON STATIONLab Number:L2054723Project Number:EP-14708Report Date:12/10/20

Data Qualifiers

the identification is based on a mass spectral library search.

- P The RPD between the results for the two columns exceeds the method-specified criteria.
- Q -The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- **R** Analytical results are from sample re-analysis.
- **RE** Analytical results are from sample re-extraction.
- S Analytical results are from modified screening analysis.

Report Format: Data Usability Report



Project Name:MASON STATIONLab Number:L2054723Project Number:EP-14708Report Date:12/10/20

REFERENCES

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc. Facility: Company-wide

Department: Quality Assurance

Title: Certificate/Approval Program Summary

Serial_No:12102012:54

ID No.:17873 Revision 17

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: lodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene

EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

EPA TO-12 Non-methane organics

EPA 3C Fixed gases

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; EPA 353.2: Nitrate-N, Nitrite-N; SM4500NO3-F: Nitrate-N, Nitrite-N; SM4500F-C, SM4500CN-CE,

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; EPA 524.2: THMs and VOCs; EPA 504.1: EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, EPA 350.1: Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, EPA 351.1, SM4500NO3-F, EPA 353.2: Nitrate-N, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate. **EPA 624.1**: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan II, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), EPA 600/4-81-045: PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. EPA 200.8: Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. EPA 245.1 Hg. EPA 522.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Pre-Qualtrax Document ID: 08-113 Document Type: Form

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Container Type	Preservative A= None			Conta	ainer Type				6							
A= Amber glass V= Vial G= Glass	B= HCI C= HNO ₃ D= H ₂ SO ₄		2	Preservative					A							
B= Bacteria cup C= Cube O= Other E= Encore D= BOD Bottle age 20 of 20	E= NaOH F= MeOH G= NaHSO4 H = Na ₂ S ₂ O ₂	LARCHÉ	12/8/20 133			Received By: Date ALLAHOME 125010 Plantage				Date	All samples submitted are subject to Alpha's Terms and Conditions. See reverse side. FORM NO: 01-01 (rev. 12-Mar-2012)					