

708 Heartland Trail Suite 3000 Madison, WI 53717

608-826-3600 PHONE 608-826-3941 FAX

www.TRCsolutions.com

April 25, 2019

Mr. Mike Schmoller Hydrogeologist Wisconsin Department of Natural Resources 3911 Fish Hatchery Road Fitchburg, WI 53711

Subject: Polychlorinated Biphenyls (PCBs) Bike Path Investigation Documentation

Dear Mr. Schmoller:

In accordance with the Wisconsin Department of Natural Resources (WDNR)-approved Bike Path Investigation and Excavation Work Plan (TRC, March 2019), TRC, on behalf of Madison Kipp Corporation (MKC), completed an investigation of the soils below the Capitol City Bike Path located north of MKC's 201 Waubesa Street Facility in Madison, WI (site) (Figure 1).

Soil Investigation

On April 3, 2019, On-Site Environmental Services, Inc. (OES) and TRC mobilized to the site to complete the soil investigation. The bike path was temporarily closed, and detour signage was setup as requested by the City of Madison. Using direct push Geoprobe® methods, OES advanced six soil borings to a depth of four feet below ground surface (bgs). TRC completed oversight for the work and field screened the soil in each boring visually, olfactory, and for hydrocarbon vapors using a photoionization detector (PID). Each soil-filled liner was split open and the contents were field logged in accordance with the Unified Soil Classification System (USCS). Borings logs are included Attachment 1.

The soil core from each boring was divided into sample intervals (0 to 2 feet, and 2 to 4 feet bgs) and a portion of soil from each interval was placed in laboratory provided containers for analysis of polychlorinated biphenyls (PCBs). Each sample was identified with a "BP-" notation, followed by a location number and letter representing the depth of collection. Each sample with a "A" identifier represents a sample collected from the 0-2 ft bgs and a "B" identifier represents a sample collected from the 2-4-ft bgs interval.

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Soil boring lithology showed the top 1 to 1.25 feet consists of asphalt underlain by base sand and gravel fill followed by 0.25 feet of black sand and gravel. The bottom 3 feet generally consisted of a combination of lean clay, fat clay, or a silty sand depending on the location. In one boring (GP-1) crushed concrete fill was noted at 1.5-1.75 feet bgs. No odors or visual evidence of contamination was observed in the soil from any of the six borings. PID readings ranged between less than one part per million (ppm) and 1.8 ppm. Following the installation of each boring, all loose cuttings were cleaned off the bike path, boreholes were abandoned with bentonite chips, and surface penetrations were repaired with asphalt. Bore hole abandonment forms are included in Attachment 1.

Each boring location was logged using a differential global positioning system (GPS) and the locations are shown on Figure 2.

Results

Overall six soil borings were installed, and two samples were collected from each boring and analyzed for PCBs using Environmental Protection Agency Method 8082. The laboratory analytical report is included in Attachment 2. All PCB Aroclors analyzed were reported below the method detection limit.

Investigative Derived Waste

An additional sample for waste characterization was collected from Boring BP-4 and an analysis for Protocol B, diesel range organics, and gasoline range organics was place on hold pending the investigative sample results. Based on field screening and investigative results for PCBs, no additional analyses were completed. Investigative derived waste was containerized in a 5-gallon bucket and will be disposed of by Covanta Environmental Solutions with other waste from the site.

Conclusion/Recommendations

MKC has completed the soil investigation below the Capitol City Bike Path north of their site, as approved and requested by WDNR, and results indicate that no further action is required. Based on the reported analytical results, no excavation or remedial action is warranted prior to or as part of work being completed along the bike path by the City of Madison.



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If you have questions or comments, please feel free to contact Andrew Stehn (608-826-3665) or Katherine Vater (608-826-3663).

Sincerely,

TRC

Andrew Stehn, P.E. Senior Project Engineer

Katherine Vater, P.E.

Project Manger

Attachments: Figures

Attachment 1 – Soil Boring Logs and Borehole Abandonment Forms

Attachment 2 – Laboratory Analytical Report

cc: Tony Koblinski and Mark Sheppard, Madison-Kipp Corporation (electronic) Peter Ramanauskas and Michael Beedle, U.S. EPA (electronic)

Brynn Bemis, City of Madison Engineering Department (electronic)



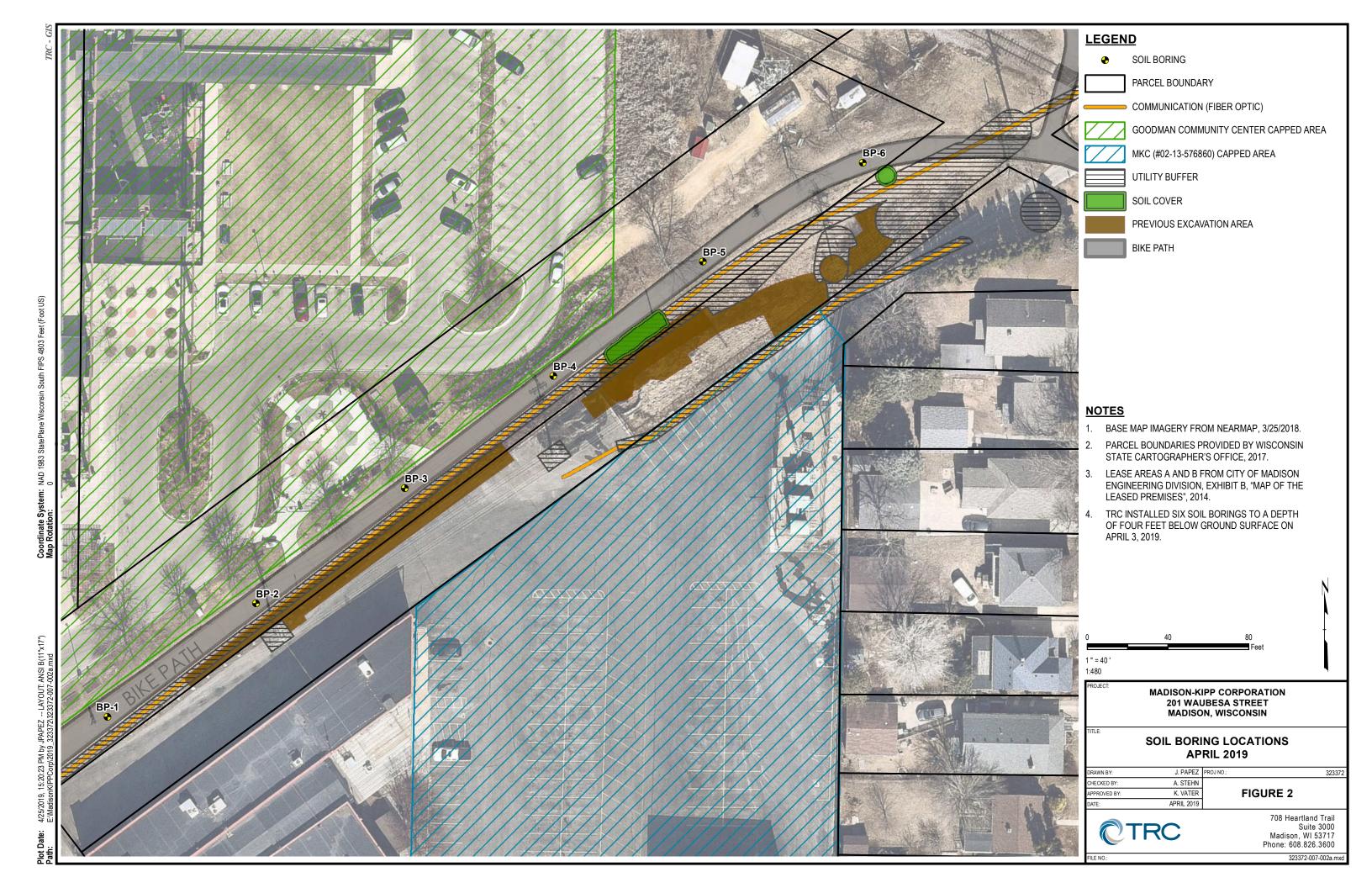


TITLE:

MADISON, WISCONSIN

SITE LOCATION MAP

24,000	/ N
RAWN BY:	J. PAPEZ
HECKED BY:	A STEHN
PPROVED BY:	K. VATER
ATE:	MARCH 2019
ROJ. NO.:	323372-007
ILE:	323372-007-001slm.mxd
	FIGURE 1



Attachment 1 Soil Boring Logs and Borehole Abandonment Forms

Soil Boring Logs

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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			-3.5		ttle silt, high plasticity, da	.1										
Ē			F	yellowish brown (10 Y	(R 3/2), dry, no odor, stift	irk f.	СН									
			-4.0													
			1.0	Boring terminated at 4	l feet bgs (4/3/2019)											
herel Signat	-		,		true and correct to the b											
ngnal	uic	,	Weslu	1 Duayer	TRC Environmental Tel: 608.826.3600 708 Heartland Trail, Suite 3000 Madison, WI 53717 Fax: 608.826.3941											

Borehole Abandonment

 $\verb|\NTAPB-MADISON\MSN-VOL6|-\WPMSN\PJT2\323372\0000\000007\L3233720000PH7-003.DOCX|$

Form 3300-5 (R 4/2015)

Page 1 of 2

Waste Management	
County WI Unique Well # of Removed Well (BP-1) Hicap # Madison Kipp Corp Facility Name Madison Kipp Corp Lattitude / Longitude (see instructions) Format Code Method Code SGPS008 SCR002 SCR002 SCR002 SCR002 SCR002 SCR002 SCR002 SCR002 SCR002 License/Permit/Monitoring # 02-13-578014 ½ /½ NW ½ SW Section Township or Gov't Lot # Range Scrop	
Dane Removed Well (BP-1)	
Dane (BP-1) Madison Kipp Corp Lattitude / Longitude (see instructions) Format Code Method Code 43.09633 ° N DD SCR002 -89.34347 ° W DDM SCR002 License/Permit/Monitoring # 7 Township Range Company Company Company Company 7 Township Township Madison Kipp Corp Corginal Well Owner Madison Kipp Corp Madison Kipp Corp Madison Kipp Corp Madison Kipp Corp 10 W	
Lattitude / Longitude (see instructions) Format Code Method Code I 13125320 43.09633 ° N N DD SCR002 License/Permit/Monitoring # -89.34347 ° W Section Township Range E 07 Gov't Lot # 5 7 10 W Wadison Kipp Corp.	
43.09633 ° N	
-89.34347 ° W □ DDM □ OTH001 02-13-578014 1/4 NW	
½ /½ NW ½ SW Section or Gov't Lot # Township for Sov't Lot # Range Sov't Lot # E Township Name Fange Sov't Lot # Original Well Owner Madison Kipp Corp.	
or Gov't Lot # 5 7 10 W Madison Kipp Corp.	
Well Street Address Present Well Owner	
201 Waubesa St Mailing Address of Present Owner	
Well City Village or Town Well ZIP Code	
Madison 201 Waubesa St City of Present Owner State	ZIP Code
Subdivision Name Lot # Madison W	
4. Pump, Liner, Screen, Casing & Sealing Material	1 33704
Reason For Removal From Service WI Unique Well # of Replacement Well	□ No □ N/A
soil boring	
3. Filled & Sealed Well / Drillhole / Borehole Information	= =
Monitoring Well Screen removed?	= =
Water Well 04/03/2019 Casing left in place? Yes	□ No □ N/A
Borehole / Drillhole If a Well Construction Report is available, please attach. Was casing cut off below surface? Yes	□ No □ N/A
Did sealing material rise to surface?	No NA
Construction Type: Drilled Driven (Sandpoint) Dug Did material settle after 24 hours?	No NA
If yes, was hole retopped?	☐ No ⊠ N/A
Other (Specify) If bentonite chips were used, were they hydrated	
Formation Type: with water from a known safe source Yes	□ No □ N/A
Unconsolidated Formation Bedrock Required Method of Placing Sealing Material	
Total Well Depth From Ground Surface (ft) Casing Diameter (in.) Conductor Pipe-Gravity Screened & Poured (Bentonite Chips) Conductor Pipe-Gravity Other (Explainment)	
Lower Drillhole Diameter (in.) Casing Depth (ft.) Sealing Materials	
2.0 Neat Cement Grout Concrete	Э
□ Sand-Cement (Concrete) Grout ☑ Bentonit	e Chips
Was well annular space grouted? Yes No Unknown For Monitoring Wells and Monitoring Well Boreholes Only:	
If yes, to what depth (feet)? Depth to Water (feet) Bentonite Chips Bentonite - Cemen	
Granular Bentonite Bentonite - Sand S	Man de Sa
5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Hole Plug Surface 4.0 0.09 cubic feet	
6. Comments	
BP-1	
7. Supervision of Work DNR Use	e Only
A 1900 CHARLES AND A 1900 CHARLE	Noted By
On-Site Environmental (mm/dd/yyyy) 04/03/2019	
Street or Route Telephone Number Comments	
PO Box 280 (608) 837-8992	
City State ZIP Code Signature of Person Doing Work	Date Signed
Sun Prairie WI 53590 Wester Bury TRL	4/16/18

State of Wis., Dept. of Natural Resources dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

Verification	on Or	nly of Fill a	nd Seal	100000000000000000000000000000000000000	o DNR Bureau	u:	7			
Vermoatio) ii Oi	ny or r in a	na ocai		rinking Water Vaste Manager	ment	Watershe Other	d/Wastewater	⊠ Remedi	ation/Redevelopment
1. Well Locatio	n Info	rmation				2. Facility /		formation		
County		WI Unique We Removed We		Hicap #		Facility Name	inn Corn	W-0-10-00-00-00-00-00-00-00-00-00-00-00-0		
Dane		(BP-2)				Madison K Facility ID (FID				
Lattitude / Longitud	le (see	instructions)		at Code	Method Code					
43.09649°		N	7/2/2	DD		License/Permit		#		
-89.34319°		W		DDM	OTH001	02-13-5786	014			
14/14 NW	1/4	SW		Township	Range	E Original Well C	Owner			
or Gov't Lot#			5	7	10	w Madison K				
Well Street Addres	s					Present Well C	Owner			
201 Waubesa	St					Mailing Addres	s of Present	t Owner		
Well City, Village of	r Town			Well ZIP	Code	201 Waube		Counci		
Madison				53704	4	City of Present			State	ZIP Code
Subdivision Name				Lot #		Madison			W	53704
B F B	-1 F		W 1 1 - 1 - 1 - 1 A 1 - 1	L# - (D - 1 - 1		4. Pump, Li	ner, Scree	en, Casing & Se	aling Material	
Reason For Remov	vai Froi	n Service V	/I Unique Wel	# of Replac	ement vveii	Pump and p	piping remov	red?	Yes	□ No ⊠ N/A
soil boring 3. Filled & Seal	led W	all / Drillhole	/ Borehole	Informatio	n	Liner(s) rem	noved?		Yes	□ No ⊠ N/A
		on a brinning			e (mm/dd/yyyy	Liner(s) per	forated?		Yes	☐ No ⊠ N/A
Monitoring	5000000000 500000000000000000000000000		04/03/201	19		Screen rem			Yes	□ No ⊠ N/A
Water We	ell		If a Mall C	anata ation [Donast in	Casing left i	n place?		Yes	☐ No ☐ N/A
Borehole /	/ Drillho	ole		onstruction folloase attach		Was casing	cut off belo	w surface?	Yes	□ No ⊠ N/A
Construction Type:						555		e to surface?	∑ Yes	☐ No ☐ N/A ☐ No ☐ N/A
Drilled		Driven	(Sandpoint)		Dug	Did materia			Yes Yes	No NA
Other (Specify	/)						is hole retop chips were i	used, were they hy		
Formation Type:			13-20			with water fr	rom a knowr	n safe source	Yes	☐ No ⊠ N/A
Unconsolidated	d Form	ation		Bedrock				g Sealing Material		
Total Well Depth F	rom Gr	ound Surface (f	t) Casing E	Diameter (in.)	Screene	or Pipe-Gra d & Poured te Chips)	vity	Conductor P Other (Expla	
Lower Drillhole Dia	meter (in.)	Casing D	Depth (ft.)		Sealing Materi	als			
2.0						Neat Ce	ment Grout		Concrete	•
-		- In F	Yes 🖂		() Companyación sax		ement (Conc			e Chips
Was well annular s		Contract Contract	☐ Yes ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐		Unknown	$\neg \Box$		Monitoring Well B	oreholes Only: entonite - Cemen	
If yes, to what dept	iii (ieet)	14	Deptil to vvai	er (reet)		Bentonit Granula	e Chips Bentonite	= =	entonite - Cemen entonite - Sand S	
5. Material Use	d to F	ill Well / Drill	hole			From (ft.)	To (ft.)	No. Yards, S	acks Sealant (circle one)	Mix Ratio or Mud Weight
3/8" Hole Plug	/					Surface	4.0	0.09 ca	ibic feet	
-										
6. Comments		. 850						V 1 3 d	. 13.07	14.86m (19.1)
BP-2										
7. Supervision	of Wo	ork	5 511				QUE		DNR Use	e Only
Name of Person or	Firm D	oing Filling & Se	ealing	License	#		Sealing or Ve	erification Date Re	ceived	loted By
On-Site Enviro	nment	al				(mm/dd/yyyy)	04/03/201	7.72		
Street or Route						Telephone Numb		Commer	nts	
PO Box 280				Ctotc	7ID Codo	(608) 837-89		1Mork	Te-	Note Cianad
City Sun Prairie				State	ZIP Code 53590	Signature of P	O		L	Pate Signed
Sun France				WI	33390	NO SYC	200	yn MRC		דוושוויז

State of Wis., Dept. of Natural Resources dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

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☐ Verification Or	nly of Fill a	nd Seal		to DNR Bureau: Drinking Water		Watershee	d/Wastewater	Remedia	ation/Redevelopment
			\	Naste Managem	ent	Other			
1. Well Location Info	Approximation and the second				2. Facility /	Owner Inf	formation	N -15 97	
County	WI Unique W Removed We		Hicap #		Facility Name				
Dane	(BP-3)	***			Madison K				
Lattitude / Longitude (see		Form	at Code	Method Code	Facility ID (FID	55111 AND ACCESSED A			
43.09664°	N		DD	☐ GPS008	113125320 License/Permit	Character and Control of the Control			
-89.34291 °	W		DDM	☐ SCR002	02-13-5780		**		
1/4/1/4 NW 1/4 :	SW	Section	Township	Range 🖂	04-1-1144-11-0				
or Gov't Lot#		5	7	10 D W					
Well Street Address					Present Well C				
201 Waubesa St					Matt Sill	- (5			
Well City, Village or Town			Well ZIF	^o Code	Mailing Addres		Owner		
Madison			5370	14	201 Waube City of Present	211 22		State	ZIP Code
Subdivision Name			Lot#		Madison	Owner		WI	53704
						ner Scree	n Casing & S	ealing Material	33704
Reason For Removal From	n Service V	VI Unique Wel	# of Repla	cement Well				Yes	□ No □ N/A
soil boring					Liner(s) rem	piping remov	ed/	Yes	No NA
3. Filled & Sealed We	ell / Drillhole				Liner(s) rem			Yes	No NA
Monitoring Well		Contract Con		te (mm/dd/yyyy)	Screen rem			Yes	□ No □ N/A
Water Well		04/03/201	9		Casing left i			Yes	□ No □ N/A
Borehole / Drillhol	le		onstruction blease attac			cut off below	w surface?	Yes	□ No ⊠ N/A
Construction Type:				NIL.	Did sealing	material rise	to surface?	Yes	□ No □ N/A
Construction Type: Drilled	Driven	(Sandpoint)	Г	Dug	Did material	settle after	24 hours?	Yes	No □ N/A
=	☐ Dilyeii	(Sandpoint)		_ Dug	If yes, wa	s hole retop	ped?	Yes	☐ No ⊠ N/A
Other (Specify)							used, were they h		
Formation Type:					/ 10/00/2009 (40/00/2000)		safe source	Yes	∐ No ⊠ N/A
Unconsolidated Forma	ation		Bedrock			emelina micara.	g Sealing Materia		
Total Well Depth From Gro	ound Surface (f	t) Casing D	Diameter (in	.)		or Pipe-Grav d & Poured te Chips)	vity	Conductor Pi	
Lower Drillhole Diameter (i	n)	Casing [Depth (ft.)		Sealing Materia	als			
2.0		ouding c	opai (ic.)		☐ Neat Cer	ment Grout		Concrete	
		1 5		1	Sand-Ce	ement (Conc	rete) Grout	Bentonite	Chips
Was well annular space gr	outed?	」Yes ⊠		Unknown	For Monitoring	Wells and	Monitoring Well	Boreholes Only:	
If yes, to what depth (feet)	?	Depth to Wat	er (feet)		Bentonite	e Chips		Bentonite - Cement	
					Granular Granular	Bentonite		Bentonite - Sand Sl	
5. Material Used to Fi	ill Well / Drill	hole			From (ft.)	To (ft.)		Sacks Sealant e (circle one)	Mix Ratio or Mud Weight
3/8" Hole Plug					Surface	4.0	0.09	cubic feet	,
6. Comments	- 1			Section 1				· · · · · · · · · · · · · · · · · · ·	
BP-3									
7. Supervision of Wo	rk			A. Tell I		N. T.		DNR Use	Only
Name of Person or Firm Do		ealing	License		Date of Filling & S	Sealing or Ve	erification Date R	The same of the sa	oted By
On-Site Environmenta	al			(mm/dd/yyyy)	04/03/201	9		5
Street or Route			- 1 ² 4	1	Telephone Numbe	er	Comme	ents	
PO Box 280					(608) 837-899	92	,		
City			State	ZIP Code	Signature of Pe	erson Poing	Work	D	ate Signed
Sun Prairie			WI	53590	Weslu	8 g 130	rose HA		4/16/19

Form 3300-5 (R 4/2015)

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Verification Or	lly of Fill a	nd Seal	0.000	to DNR Bureau Drinking Water	u:	Watersh	ed/Wastewater	Remedi	ation/Redevelopment
4 W. III				Waste Manager		Other			
1. Well Location Infor	mation WI Unique We	.11.446	110		2. Facility		nformation	1,500	
County	Removed We		Hicap #		Facility Name				
Dane	(BP-4)				Madison I Facility ID (FII				
Lattitude / Longitude (see i	nstructions)	Forma		Method Code					
43.09679°	N			GPS008	License/Perm		1#		
-89.34263 °	W		DDM	OTH001	02-13-578		,		
1/4 NW 1/4 S	SW S	Section T	ownship	Range	E Original Well				
or Gov't Lot #		5	7	10 🖂	W Madison I	Cipp Corp			
Well Street Address					Present Well	and the second liverage and the second	<u> </u>		
201 Waubesa St					Mailing Addre	ss of Preser	nt Owner		
Well City, Village or Town			Well ZIF	P Code	201 Waub		it Owner		
Madison			5370)4	City of Presen			State	ZIP Code
Subdivision Name			Lot#		Madison			W	a second second
						iner, Scree	en, Casing & Sea		33704
Reason For Removal From	Service W	I Unique Well	# of Repla	cement Well		piping remo		☐ Yes	□ No □ N/A
soil boring					Liner(s) rer		vedr	Yes	No NA
3. Filled & Sealed We								Yes	□ No □ N/A
Monitoring Well				te (mm/dd/yyyy)	Screen rem			Yes	□ No □ N/A
Water Well	-	04/03/2019	,		Casing left			Yes	□ No □ N/A
Borehole / Drillhole	,	If a Well Cor				22 Str. 2 W	2 3		
Bordriole / Drillinok	,	available, ple	ease attac	h		cut off belo		Yes Ves	□ No □ N/A
Construction Type:							e to surface?	∑ Yes ☐ Yes	☐ No ☐ N/A
Drilled	Driven (Sandpoint)		Dug	7000	al settle after as hole retor		Yes	No NA
Other (Specify)						A TOTAL MANAGEMENT	used, were they hyd		
Formation Type:							n safe source	Yes	□ No □ N/A
Unconsolidated Format	i.	П.			0.54 Page 100 Co. 105 Page 10		ng Sealing Material	(
	(10)H	20.22.23	Bedrock			tor Pipe-Gra	Г	Conductor Pi	ne-Pumped
Total Well Depth From Gro	und Surface (ft)	Casing Dia	ameter (in	.)	Screene	ed & Poured ite Chips)		Other (Explai	
Lower Drillhole Diameter (in	1.)	Casing De	pth (ft.)		Sealing Materi	als			
2.0			SHOULD STATE		Neat Ce	ment Grout		Concrete	i
		1 🖂		1	— ∐ Sand-Ce	ement (Cond	crete) Grout	□ Bentonite	e Chips
Was well annular space gro			No L	Unknown	For Monitoring	Wells and	Monitoring Well Bo	reholes Only:	
If yes, to what depth (feet)?	1	Depth to Water	(feet)			e Chips	☐ Be	ntonite - Cement	Grout
					☐ Granula	r Bentonite	Be	ntonite - Sand SI	lurry
5. Material Used to Fil	l Well / Drillh	ole			From (ft.)	To (ft.)	No. Yards, Sa or Volume (Mix Ratio or Mud Weight
3/8" Hole Plug					Surface	4.0	0.09 cu	oic feet	
6. Comments	The state of								
BP-4									
7. Supervision of Wor	k				1 =-			DND	0-1-
Name of Person or Firm Doi		aling	License	#	Date of Filling & S	Sealing or V	erification Date Reco	DNR Use	oted By
On-Site Environmental		10	2.501100		(mm/dd/yyyy)	04/03/201		IVGU N	oted by
Street or Route			1		Telephone Number		Comment	9	
PO Box 280					(608) 837-89		Comment	5	
City		19	State	ZIP Code	Signature of Po		Work	ln.	ate Gigned
Sun Prairie		ľ	WI	53590	Most	Mh	2 /1/11	0	ate Signed
			1015	, , , , , , , , , , , , , , , , , , , ,	110000	11,20	1111		mw(L)

Form 3300-5 (R 4/2015)

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□ Verification On	v of Fill a	nd Spal	Route	to DNR Burea	u:									
Vernication on	y Oi Fill a	nu Sear		Drinking Water Waste Manage		Watershe Other	ed/Wastewater	Remedia	ation/Redevelopment					
1. Well Location Inform	nation					/ Owner In	formation							
County	WI Unique W Removed We		Hicap #		Facility Name)								
Dane	(BP-5)	111	-			Kipp Corp								
Lattitude / Longitude (see in		For	mat Code	Method Code	Facility ID (FI	D or PWS)								
43.09695 °	N	100	DD DD	GPS008	11312532	***								
-89.34236 °	W	1	DDM	☐ SCR002			#							
		Section	Township	Range 🖂	02-13-370									
or Gov't Lot#	**	5	7	10	E Original Well	Owner Kipp Corp.								
Well Street Address					W Madison Present Well									
					Matt Sill									
201 Waubesa St Well City, Village or Town			Molt 71	P Code	Mailing Addre	ess of Presen	t Owner							
Madison			300000000000000000000000000000000000000		201 Waut									
Subdivision Name			5370 Lot #	J4	City of Preser	nt Owner		State	ZIP Code					
			1200		Madison			WI	53704					
Reason For Removal From	Service V	/I Unique W	ell # of Repla	acement Well			en, Casing & Sealir	-						
soil boring						piping remov	/ed?	Yes	□ No □ N/A □ No □ N/A					
3. Filled & Sealed Well	/ Drillhole	/ Borehole	Informati	on	Liner(s) re			☐ Yes ☐ No						
Monitoring Well		Original Cor	nstruction Da	ate (mm/dd/yyyy				Yes No						
Water Well		04/03/20)19		Screen ren			Yes Yes	No ⊠ N/A No ⊠ N/A					
Borehole / Drillhole		If a Well (Construction	Report is	Casing left				□ No □ N/A					
Soletiole / Ditilifiole		available,	please attac	ch.	and the second of the second	Was casing cut off below surface? Yes Did sealing material rise to surface? Yes								
Construction Type:	·				35	al settle after		Yes	No No N/A					
□ Drilled	Driven (Sandpoint)	[Dug	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	as hole retop		Yes	□ No □ N/A					
Other (Specify)							used, were they hydrat		ш ы					
Formation Type:							n safe source	Yes	☐ No ⊠ N/A					
Unconsolidated Formati	on		Bedrock		Required Met	hod of Placin	g Sealing Material							
	396			S.**	Conduc	tor Pipe-Gra	vity	Conductor Pi	pe-Pumped					
Total Well Depth From Grou	nd Surface (n	Casing	Diameter (in	1.)		ed & Poured nite Chips)		Other (Explai	n)					
Lower Drillhole Diameter (in.)	Casing	Depth (ft.)		Sealing Mater	ials		_						
2.0						ement Grout		Concrete						
Was well annular space grou	ited?	Yes 🗵	No [Unknown		ement (Cond	4667446766677666	⊠ Bentonite	Chips					
If yes, to what depth (feet)?	ACCOUNTY CO.	Depth to Wa	- cae	J OTHEROWAY	The second secon	te Chips	Monitoring Well Borel	<i>ioles Only:</i> nite - Cement	Const					
2 - 1 1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			ator (root)			ar Bentonite		nite - Cement nite - Sand Sli						
5. Material Used to Fill	W-U / D-100	22.5			Second Reviewed	15 2.1	No. Yards, Sack		Mix Ratio					
5. Waterial Used to Fill	well / Drill	noie	VI THE	340-14	From (ft.)	To (ft.)	or Volume (cir		or Mud Weight					
3/8" Hole Plug					Surface	4.0	0.09 cubic	feet						
6. Comments		5 - 7		1.11										
BP-5														
7. Supervision of Work								DNR Use	Only					
Name of Person or Firm Doir		aling	License	e #	Date of Filling & S	Sealing or Ve	erification Date Receive		oted By					
On-Site Environmental			100000000000000000000000000000000000000		(mm/dd/yyyy)	04/03/201		Thomas by						
Street or Route					Telephone Numb		Comments							
PO Box 280					(608) 837-89		, santasareast.							
City			State	ZIP Code	Signature of P		Work	Da	ate \$igned					
Sun Prairie			WI	53590	Wester	113	~ ITRC		ate Signed					

Form 3300-5 (R 4/2015)

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3. Filled & Sealed Well / Drillhole / Borehole Information Monitoring Well	☐ Verification Or	nly of Fill ar	nd Seal		Drinking Water		Watershee	d/Wastewater	Remedia	ation/Redevelopment				
Dame					Waste Managem	The second second								
Dame		-					Owner Inf	formation						
Dame Carbon Car	County		II# of	Hicap #										
Lithtucker Longitude (see instructions)	Dane	(BP-6)												
## AS 93 4206 ° W DDM G1002 ## Sey 34206 ° W Socion Township Range Sey 34206 ° W Socion Township Program Sey 34206 ° W Socion Township Program Sey 34206 ° W Socion Township Program Sey 34206 ° W Socion Township Socion Township Socion Socion	Lattitude / Longitude (see	-												
4.7 May May Saw Saction Township Range Same Sam	43.09708°	N	10000					#						
Sortion of New New Section Township Farage For GovTLot III For GovTLot III For Machines For GovTLot III For Machines For Machines	-89.34206 °	W		DDM			A STATE OF THE PARTY OF THE PAR	50						
Well Street Address Well City, Village or Town Madison Sat704 Sold-Wising Freedred Well Address of Present Cover Madison Name Lot # Madison City of Present Cover Satic State ZIP Code Subdivision Name Lot # Madison City of Present Cover Satic State ZIP Code Sold-Well Deriven (Sandpoint) Sarehole Information Filled & Sealed Well / Drillhole / Borehole Information Monitoring Viel Original Construction Date (mm0dd/yyy) Water Well If a Well Construction Report is available, please attach. Construction Type: Other (Specify) Cother (Specify) Cother (Specify) Cother (Specify) Casing Diameter (in) Casing Diameter (in) Casing Diameter (in) Casing Diameter (in) Saling Material Saling Material Conductor Pipe-Gravity Conductor Pipe-Gravity Saling M	1/4/1/4 NW 1/4 :	sw s	ection To	ownship	Range 🖂 c	0 -1 -1 110/- # 6								
Well Street Address S 201 Watubesa St Mat Still Mating Address of Present Owner Madison Saro4 Subdivision Name Lot # Mation	or Gov't Lot#		5	7	10	la l								
## Well City, Village or Town Madison ## Well ZiP Code Madison ## Say 04 Clif # Walbeas St	Well Street Address				v	Present Well C								
Walet Cycle Sard Walet Pode SarOu Sarous Sa	201 Waubesa St						e of Present	Owner						
Sation S	Well City, Village or Town			Well ZII	P Code			Owner						
Reason For Removal From Service Wil Unique Well # of Replacement Well Solitoring A. Pump, Liner, Screen, Casing & Soaling Material Pump and piping removed? Yes No Same No Same	Madison			5370)4				State	ZIP Code				
A. Pump, Liner, Screen, Casing & Sealing Material Pump and piping removed? Yes No No No No No No No	Subdivision Name			Lot#										
Reason For Removal From Service Water Well Original Construction Date (mm/dd/yyyr)														
Soil boring Monitoring Well Original Construction Date (mm/dd/yyyy) Othor (right) Original Construction Date (mm/dd/yyyy) Othor (right) Othor (ri	Reason For Removal From	n Service WI	Unique Well #	of Repla	acement Well									
Monitoring Well								eur		= =				
Monitoring Well Output (Sandpoint) Output (Sandpoint) Dug If a Well Construction Report Is available, please attach. Construction Type:	3. Filled & Sealed We					Lines(a) nee				= =				
Water Well	Monitoring Well	C			ate (mm/dd/yyyy)	Security and a security of								
Borehole / Drillhole If a Well Construction Report is available, please attach. Was casing out off below surface? Yes No Did sealing material rise to surface? Yes No Did sealing material rise to surface? Yes No Did sealing material rise to surface? Yes No Did material settle after 24 hours? Yes N	Water Well	-	04/03/2019											
Construction Type: Drilled Driven (Sandpoint) Dug			If a Well Con	struction	Report is	3	Cooling for in place:							
Construction Type: Drilled	Borenoie / Drillnoi	le	available, ple	ease attac	zh.									
Drilled	Construction Type:													
Cther (Specify)	☑ Drilled	Driven (S	Sandpoint)	Ε	Dug									
Formation Type: Unconsolidated Formation Bedrock Required Method of Placing Sealing Material Conductor Pipe-Gravity Conductor Pipe-Pumped Other (Explain)	Other (Specify)							Ř		L 2				
Unconsolidated Formation	A STATE OF THE STA					Halland Control Control				□ No □ N/A				
Total Well Depth From Ground Surface (ft)				565 D1 (2011) V3										
Total Well Depth From Ground Surface (ft) Casing Diameter (in.) Casing Depth (ft.) 2.0 Was well annular space grouted? Yes No Unknown If yes, to what depth (feet)? Depth to Water (feet) Sand-Cement (Concrete) Grout Bentonite Chips Bentonite Chips Bentonite Chips Bentonite Chips Bentonite - Cement Grout Granular Bentonite Bentonite - Cement Grout Bentonite - Cement Grout Bentonite - Cement Grout Granular Bentonite Bentonite - Cement Grout Bentonite - Casing Depth to Water (feet) Sand-Cement (Concrete) Grout Bentonite - Casing Depth to Water (feet) Bentonite - Casing Depth to Water (feet) Bentonite - Casing Depth to Water (feet) Bentonite - Casing Depth (ft.) To (ft.) No. Yards, Sacks Sealant or Volume (circle one) Mix Ratic or Mud Weit Surface 4.0 0.09 cubic feet DNR Use Only Non-Site Environmental Telephone Number Gomments PO Box 280 City State ZIP Code Signature of Person Deing Work Date of Filling & Sealing Work Postproprious Comments Comments Comments Date of Filling & Sealing Or Verification Date Received Noted By Telephone Number Gomments Comments PO Box 280 City State ZIP Code Signature of Person Deing Work Date of Person Deing Work	Unconsolidated Forma	ation	Ы В	ledrock					Conductor Pir	pe-Pumped				
Neat Cement Grout Concrete	Total Well Depth From Gro	ound Surface (ft)	Casing Dia	ameter (in	1.)	Screene	d & Poured	,		S				
Neat Cement Grout Concrete Sand-Cement (Concrete) Sand-Sembles San	Lower Drillhole Diameter (i	in.)	Casing De	oth (ft.)		Sealing Materi	als							
Was well annular space grouted?		100 6				☐ Neat Ce	ment Grout		Concrete					
Surface Surf	2.0		1 52		7	Sand-Ce	ement (Conc	rete) Grout	Bentonite	Chips				
5. Material Used to Fill Well / Drillhole From (ft.) Surface 4.0 O.09 cubic feet Surface 6. Comments BP-6 7. Supervision of Work Name of Person or Firm Doing Filling & Sealing On-Site Environmental Street or Route PO Box 280 City Surface Surface From (ft.) To (ft.) No. Yards, Sacks Sealant or Volume (circle one) Double feet Mix Ratic or Mux Weit or Mux Weit or Mud Weit o	Was well annular space gr	outed?	Yes 🖂	No L	Unknown	For Monitoring	Wells and	Monitoring Well B	oreholes Only:					
5. Material Used to Fill Well / Drillhole From (ft.) Surface 4.0 O.09 cubic feet Surface 6. Comments BP-6 7. Supervision of Work Name of Person or Firm Doing Filling & Sealing On-Site Environmental Street or Route PO Box 280 City State Surface 4.0 No. Yards, Sacks Sealant or Mix Plus Only On-O9 cubic feet Date of Filling & Sealing or Verification (mm/dd/yyyy) (04/03/2019) Street or Route PO Box 280 City State State Surface 4.0 On-O9 cubic feet Date of Filling & Sealing or Verification (mm/dd/yyyy) (04/03/2019) Date of Filling & Sealing or Verification (mm/dd/yyyy) (04/03/2019) Street or Route PO Box 280 City State State State Surface 4.0 On-O9 cubic feet Date of Filling & Sealing or Verification (mm/dd/yyyy) (04/03/2019) Date of Filling & Sealing or Verification (mm/dd/yyyy) (04/03/2019) Noted By Date of Filling & Sealing or Verification (mm/dd/yyyy) (04/03/2019) Date of Filling & Sealing or Verification (mm/dd/yyyy) (04/03/2019) Street or Route PO Box 280 City Date of Filling & Sealing or Verification (mm/dd/yyyy) (04/03/2019) Date of Filling & Sealing or Verification (mm/dd/yyyy) (04/03/2019) Date of Filling & Sealing or Verification (mm/dd/yyyy) (04/03/2019) Date of Filling & Sealing or Verification (mm/dd/yyyy) (04/03/2019) Date of Filling & Sealing or Verification (mm/dd/yyyy) (04/03/2019) Date of Filling & Sealing or Verification (mm/dd/yyyy) (04/03/2019) Date of Filling & Sealing or Verification (mm/dd/yyyy) (04/03/2019) Date of Filling & Sealing or Verification (mm/dd/yyyy) (04/03/2019) Date of Filling & Sealing or Verification (mm/dd/yyyy) (04/03/2019) Date of Filling & Sealing or Verification (mm/dd/yyyy) (04/03/2019)	If yes, to what depth (feet)	? [Depth to Water	(feet)			"경영자 50 기계							
5. Material Used to Fill Well / Drillnole 3/8" Hole Plug Surface 4.0 0.09 cubic feet 6. Comments BP-6 7. Supervision of Work Name of Person or Firm Doing Filling & Sealing On-Site Environmental Street or Route PO Box 280 City Surface 4.0 0.09 cubic feet DNR Use Only Noted By On-Middlyyyy) O4/03/2019 Comments Comments PO Box 280 City State State Surface 4.0 Comments Comments On-Outine (circle one) On-Outine (circle one) On-Mud Weit On-Outine (circle one) On-Outine (circle one) On-Mud Weit On-Outine (circle one) On-Outine (circle one) On-Mud Weit On-Outine (circle one) On-Outine (circle one) On-Mud Weit On-Outine (circle one) On-Mud Weit On-Outine (circle one) On-Outine (circle one) On-Mud Weit On-Outine (circle one) On-O						☐ Granula	r Bentonite			A BANK THE RESIDENCE OF THE PARTY OF THE PAR				
6. Comments BP-6 7. Supervision of Work Name of Person or Firm Doing Filling & Sealing On-Site Environmental Street or Route PO Box 280 City State State Date of Filling & Sealing or Verification (mm/dd/yyyy) 04/03/2019 Date Received Noted By On-Site Environmental Comments Comments Date Signature of Person Doing Work Date Signature of Person Doing Work Date Signed	5. Material Used to Fi	ill Well / Drillh	iole		Bell's	From (ft.)	To (ft.)			Mix Ratio or Mud Weight				
7. Supervision of Work Name of Person or Firm Doing Filling & Sealing On-Site Environmental Street or Route PO Box 280 City Date of Filling & Sealing or Verification (mm/dd/yyyy) 04/03/2019 Date of Filling & Sealing or Verification (mm/dd/yyyy) 04/03/2019 Telephone Number Comments (608) 837-8992 City Date Signature of Person Doing Work Date Signed	3/8" Hole Plug					Surface	4.0	0.09 c	ubic feet					
7. Supervision of Work Name of Person or Firm Doing Filling & Sealing On-Site Environmental Street or Route PO Box 280 City Date of Filling & Sealing or Verification (mm/dd/yyyy) 04/03/2019 Date of Filling & Sealing or Verification (mm/dd/yyyy) 04/03/2019 Telephone Number Comments (608) 837-8992 State ZIP Code Signature of Person Doing Work Date Signed														
7. Supervision of Work Name of Person or Firm Doing Filling & Sealing On-Site Environmental Street or Route PO Box 280 City Date of Filling & Sealing or Verification (mm/dd/yyyy) 04/03/2019 Date of Filling & Sealing or Verification (mm/dd/yyyy) 04/03/2019 Telephone Number Comments (608) 837-8992 State ZIP Code Signature of Person Doing Work Date Signed														
7. Supervision of Work Name of Person or Firm Doing Filling & Sealing On-Site Environmental Street or Route PO Box 280 City Date of Filling & Sealing or Verification (mm/dd/yyyy) 04/03/2019 Date of Filling & Sealing or Verification (mm/dd/yyyy) 04/03/2019 Telephone Number Comments (608) 837-8992 State ZIP Code Signature of Person Doing Work Date Signed			100		2007	August 6 C		1 700	- 1 3030					
Name of Person or Firm Doing Filling & Sealing On-Site Environmental License # Date of Filling & Sealing or Verification (mm/dd/yyyy) 04/03/2019 Street or Route PO Box 280 City Date of Filling & Sealing or Verification (mm/dd/yyyy) 04/03/2019 Telephone Number (608) 837-8992 State ZIP Code Signature of Person Doing Work Date Signed	BP-6													
Name of Person or Firm Doing Filling & Sealing On-Site Environmental License # Date of Filling & Sealing or Verification (mm/dd/yyyy) 04/03/2019 Street or Route PO Box 280 City Date of Filling & Sealing or Verification (mm/dd/yyyy) 04/03/2019 Telephone Number (608) 837-8992 State ZIP Code Signature of Person Doing Work Date Signed	~ 0	202							DID II					
On-Site Environmental (mm/dd/yyyy) 04/03/2019 Street or Route Telephone Number Comments PO Box 280 (608) 837-8992 Date Signed City State ZIP Code Signature of Person Doing Work Date Signed			aling	Licens	0#	Date of Filling 9 (Cooling or \	rification Data D-						
Street or Route PO Box 280 City State Comments Comments			anny	License	C#				N N	oled by				
PO Box 280 (608) 837-8992 City State ZIP Code Signature of Person Doing Work Date Signed		aı							nte					
City State ZIP Code Signature of Person Doing Work Date Signed						E		Commen	no.					
	AND THE RESERVE OF THE PERSON NAMED IN COLUMN TO SERVE OF			State	ZIP Code			Work	In	ate Signed				
Mean I mi man I was the same of the same o	STATE OF THE PARTY					14/01/0	In The	2-11/1		VIII. I. a				
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Attachment 2 Laboratory Analytical Report





April 12, 2019

Andrew Stehn TRC Madison 708 Heartland Trail Madison, WI 53717

RE: Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

Dear Andrew Stehn:

Enclosed are the analytical results for sample(s) received by the laboratory on April 10, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

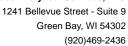
Tod nolteneya

Tod Noltemeyer tod.noltemeyer@pacelabs.com (920)469-2436 Project Manager

Enclosures

cc: Wes Braga, TRC Peggy Popp, TRC - Madison Katherine Vater, TRC







CERTIFICATIONS

Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302 Florida/NELAP Certification #: E87948 Illinois Certification #: 200050 Kentucky UST Certification #: 82 Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334 New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001 Texas Certification #: T104704529-14-1 Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444 USDA Soil Permit #: P330-16-00157 Federal Fish & Wildlife Permit #: LE51774A-0

(920)469-2436



SAMPLE SUMMARY

Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40185580001	BP-1A	Solid	04/03/19 10:05	04/10/19 10:30
40185580002	BP-1B	Solid	04/03/19 10:10	04/10/19 10:30
40185580003	BP-2A	Solid	04/03/19 10:20	04/10/19 10:30
40185580004	BP-2B	Solid	04/03/19 10:25	04/10/19 10:30
40185580005	BP-3A	Solid	04/03/19 10:40	04/10/19 10:30
40185580006	BP-3B	Solid	04/03/19 10:45	04/10/19 10:30
40185580007	BP-4A	Solid	04/03/19 10:50	04/10/19 10:30
40185580008	BP-4B	Solid	04/03/19 10:55	04/10/19 10:30
40185580009	BP-5A	Solid	04/03/19 11:10	04/10/19 10:30
40185580010	BP-5B	Solid	04/03/19 11:15	04/10/19 10:30
40185580011	BP-6A	Solid	04/03/19 11:25	04/10/19 10:30
40185580012	BP-6B	Solid	04/03/19 11:30	04/10/19 10:30



SAMPLE ANALYTE COUNT

Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40185580001	BP-1A	EPA 8082A	BLM	12
		ASTM D2974-87	JAK	1
40185580002	BP-1B	EPA 8082A	BLM	12
		ASTM D2974-87	JAK	1
40185580003	BP-2A	EPA 8082A	BLM	12
		ASTM D2974-87	JAK	1
40185580004	BP-2B	EPA 8082A	BLM	12
		ASTM D2974-87	JAK	1
40185580005	BP-3A	EPA 8082A	BLM	12
		ASTM D2974-87	JAK	1
40185580006	BP-3B	EPA 8082A	BLM	12
		ASTM D2974-87	JAK	1
40185580007	BP-4A	EPA 8082A	BLM	12
		ASTM D2974-87	JAK	1
40185580008	BP-4B	EPA 8082A	BLM	12
		ASTM D2974-87	JAK	1
40185580009	BP-5A	EPA 8082A	BLM	12
		ASTM D2974-87	JAK	1
40185580010	BP-5B	EPA 8082A	BLM	12
		ASTM D2974-87	JAK	1
40185580011	BP-6A	EPA 8082A	BLM	12
		ASTM D2974-87	JAK	1
40185580012	BP-6B	EPA 8082A	BLM	12
		ASTM D2974-87	JAK	1

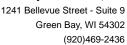


SUMMARY OF DETECTION

Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

_ab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
0185580001	BP-1A		- Crinio			
ASTM D2974-87	Percent Moisture	20.6	%	0.10	04/10/19 19:30	
0185580002	BP-1B	20.0	,0	0.10	0 1/ 10/ 10 10:00	
ASTM D2974-87	Percent Moisture	18.6	%	0.10	04/10/19 19:30	
0185580003	BP-2A					
ASTM D2974-87	Percent Moisture	17.6	%	0.10	04/10/19 19:30	
0185580004	BP-2B					
ASTM D2974-87	Percent Moisture	19.4	%	0.10	04/10/19 19:30	
0185580005	BP-3A					
ASTM D2974-87	Percent Moisture	19.4	%	0.10	04/10/19 19:30	
0185580006	BP-3B					
ASTM D2974-87	Percent Moisture	25.1	%	0.10	04/10/19 19:30	
0185580007	BP-4A					
ASTM D2974-87	Percent Moisture	26.2	%	0.10	04/10/19 19:30	
0185580008	BP-4B					
ASTM D2974-87	Percent Moisture	23.3	%	0.10	04/10/19 19:30	
0185580009	BP-5A					
ASTM D2974-87	Percent Moisture	23.6	%	0.10	04/10/19 19:30	
0185580010	BP-5B					
ASTM D2974-87	Percent Moisture	30.5	%	0.10	04/10/19 19:30	
0185580011	BP-6A					
ASTM D2974-87	Percent Moisture	19.4	%	0.10	04/10/19 19:31	
0185580012	BP-6B					
ASTM D2974-87	Percent Moisture	25.4	%	0.10	04/10/19 19:31	





PROJECT NARRATIVE

Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

Method:EPA 8082ADescription:8082A GCS PCBClient:TRC - MADISONDate:April 12, 2019

General Information:

12 samples were analyzed for EPA 8082A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3541 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.



Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

Date: 04/12/2019 03:44 PM

Sample: BP-1A Lab ID: 40185580001 Collected: 04/03/19 10:05 Received: 04/10/19 10:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual	
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<31.4	ug/kg	62.9	31.4	1	04/11/19 08:14	04/11/19 18:09	12674-11-2		
PCB-1221 (Aroclor 1221)	<31.4	ug/kg	62.9	31.4	1	04/11/19 08:14	04/11/19 18:09	11104-28-2		
PCB-1232 (Aroclor 1232)	<31.4	ug/kg	62.9	31.4	1	04/11/19 08:14	04/11/19 18:09	11141-16-5		
PCB-1242 (Aroclor 1242)	<31.4	ug/kg	62.9	31.4	1	04/11/19 08:14	04/11/19 18:09	53469-21-9		
PCB-1248 (Aroclor 1248)	<31.4	ug/kg	62.9	31.4	1	04/11/19 08:14	04/11/19 18:09	12672-29-6		
PCB-1254 (Aroclor 1254)	<31.4	ug/kg	62.9	31.4	1	04/11/19 08:14	04/11/19 18:09	11097-69-1		
PCB-1260 (Aroclor 1260)	<31.4	ug/kg	62.9	31.4	1	04/11/19 08:14	04/11/19 18:09	11096-82-5		
PCB-1262 (Aroclor 1262)	<31.4	ug/kg	62.9	31.4	1	04/11/19 08:14	04/11/19 18:09	37324-23-5		
PCB-1268 (Aroclor 1268)	<31.4	ug/kg	62.9	31.4	1	04/11/19 08:14	04/11/19 18:09	11100-14-4		
PCB, Total	<31.4	ug/kg	62.9	31.4	1	04/11/19 08:14	04/11/19 18:09	1336-36-3		
Surrogates										
Tetrachloro-m-xylene (S)	79	%	57-115		1	04/11/19 08:14	04/11/19 18:09	877-09-8		
Decachlorobiphenyl (S)	84	%	47-97		1	04/11/19 08:14	04/11/19 18:09	2051-24-3		
Percent Moisture	Analytical	Method: AST	M D2974-87							
Percent Moisture	20.6	%	0.10	0.10	1		04/10/19 19:30			



Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

Date: 04/12/2019 03:44 PM

Sample: BP-1B Lab ID: 40185580002 Collected: 04/03/19 10:10 Received: 04/10/19 10:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual	
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<30.7	ug/kg	61.5	30.7	1	04/11/19 08:14	04/11/19 18:27	12674-11-2		
PCB-1221 (Aroclor 1221)	<30.7	ug/kg	61.5	30.7	1	04/11/19 08:14	04/11/19 18:27	11104-28-2		
PCB-1232 (Aroclor 1232)	<30.7	ug/kg	61.5	30.7	1	04/11/19 08:14	04/11/19 18:27	11141-16-5		
PCB-1242 (Aroclor 1242)	<30.7	ug/kg	61.5	30.7	1	04/11/19 08:14	04/11/19 18:27	53469-21-9		
PCB-1248 (Aroclor 1248)	<30.7	ug/kg	61.5	30.7	1	04/11/19 08:14	04/11/19 18:27	12672-29-6		
PCB-1254 (Aroclor 1254)	<30.7	ug/kg	61.5	30.7	1	04/11/19 08:14	04/11/19 18:27	11097-69-1		
PCB-1260 (Aroclor 1260)	<30.7	ug/kg	61.5	30.7	1	04/11/19 08:14	04/11/19 18:27	11096-82-5		
PCB-1262 (Aroclor 1262)	<30.7	ug/kg	61.5	30.7	1	04/11/19 08:14	04/11/19 18:27	37324-23-5		
PCB-1268 (Aroclor 1268)	<30.7	ug/kg	61.5	30.7	1	04/11/19 08:14	04/11/19 18:27	11100-14-4		
PCB, Total Surrogates	<30.7	ug/kg	61.5	30.7	1	04/11/19 08:14	04/11/19 18:27	1336-36-3		
Tetrachloro-m-xylene (S)	78	%	57-115		1	04/11/19 08:14	04/11/19 18:27	877-09-8		
Decachlorobiphenyl (S)	85	%	47-97		1	04/11/19 08:14	04/11/19 18:27	2051-24-3		
Percent Moisture	Analytical	Method: ASTN	M D2974-87							
Percent Moisture	18.6	%	0.10	0.10	1		04/10/19 19:30			



Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

Date: 04/12/2019 03:44 PM

Sample: BP-2A Lab ID: 40185580003 Collected: 04/03/19 10:20 Received: 04/10/19 10:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical	Method: EPA	\ 8082A Prepa	aration Meth	nod: El	PA 3541			
PCB-1016 (Aroclor 1016)	<30.4	ug/kg	60.7	30.4	1	04/11/19 08:14	04/11/19 18:45	12674-11-2	
PCB-1221 (Aroclor 1221)	<30.4	ug/kg	60.7	30.4	1	04/11/19 08:14	04/11/19 18:45	11104-28-2	
PCB-1232 (Aroclor 1232)	<30.4	ug/kg	60.7	30.4	1	04/11/19 08:14	04/11/19 18:45	11141-16-5	
PCB-1242 (Aroclor 1242)	<30.4	ug/kg	60.7	30.4	1	04/11/19 08:14	04/11/19 18:45	53469-21-9	
PCB-1248 (Aroclor 1248)	<30.4	ug/kg	60.7	30.4	1	04/11/19 08:14	04/11/19 18:45	12672-29-6	
PCB-1254 (Aroclor 1254)	<30.4	ug/kg	60.7	30.4	1	04/11/19 08:14	04/11/19 18:45	11097-69-1	
PCB-1260 (Aroclor 1260)	<30.4	ug/kg	60.7	30.4	1	04/11/19 08:14	04/11/19 18:45	11096-82-5	
PCB-1262 (Aroclor 1262)	<30.4	ug/kg	60.7	30.4	1	04/11/19 08:14	04/11/19 18:45	37324-23-5	
PCB-1268 (Aroclor 1268)	<30.4	ug/kg	60.7	30.4	1	04/11/19 08:14	04/11/19 18:45	11100-14-4	
PCB, Total	<30.4	ug/kg	60.7	30.4	1	04/11/19 08:14	04/11/19 18:45	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	76	%	57-115		1	04/11/19 08:14	04/11/19 18:45	877-09-8	
Decachlorobiphenyl (S)	83	%	47-97		1	04/11/19 08:14	04/11/19 18:45	2051-24-3	
Percent Moisture	Analytical	Method: AST	ΓM D2974-87						
Percent Moisture	17.6	%	0.10	0.10	1		04/10/19 19:30		



Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

Date: 04/12/2019 03:44 PM

Sample: BP-2B Lab ID: 40185580004 Collected: 04/03/19 10:25 Received: 04/10/19 10:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical	Method: EPA	8082A Prepa	aration Meth	nod: El	PA 3541			
PCB-1016 (Aroclor 1016)	<31.1	ug/kg	62.2	31.1	1	04/11/19 08:14	04/11/19 19:03	12674-11-2	
PCB-1221 (Aroclor 1221)	<31.1	ug/kg	62.2	31.1	1	04/11/19 08:14	04/11/19 19:03	11104-28-2	
PCB-1232 (Aroclor 1232)	<31.1	ug/kg	62.2	31.1	1	04/11/19 08:14	04/11/19 19:03	11141-16-5	
PCB-1242 (Aroclor 1242)	<31.1	ug/kg	62.2	31.1	1	04/11/19 08:14	04/11/19 19:03	53469-21-9	
PCB-1248 (Aroclor 1248)	<31.1	ug/kg	62.2	31.1	1	04/11/19 08:14	04/11/19 19:03	12672-29-6	
PCB-1254 (Aroclor 1254)	<31.1	ug/kg	62.2	31.1	1	04/11/19 08:14	04/11/19 19:03	11097-69-1	
PCB-1260 (Aroclor 1260)	<31.1	ug/kg	62.2	31.1	1	04/11/19 08:14	04/11/19 19:03	11096-82-5	
PCB-1262 (Aroclor 1262)	<31.1	ug/kg	62.2	31.1	1	04/11/19 08:14	04/11/19 19:03	37324-23-5	
PCB-1268 (Aroclor 1268)	<31.1	ug/kg	62.2	31.1	1	04/11/19 08:14	04/11/19 19:03	11100-14-4	
PCB, Total	<31.1	ug/kg	62.2	31.1	1	04/11/19 08:14	04/11/19 19:03	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	75	%	57-115		1	04/11/19 08:14	04/11/19 19:03	877-09-8	
Decachlorobiphenyl (S)	82	%	47-97		1	04/11/19 08:14	04/11/19 19:03	2051-24-3	
Percent Moisture	Analytical	Method: ASTI	M D2974-87						
Percent Moisture	19.4	%	0.10	0.10	1		04/10/19 19:30		



Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

Date: 04/12/2019 03:44 PM

Sample: BP-3A Lab ID: 40185580005 Collected: 04/03/19 10:40 Received: 04/10/19 10:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical	Method: EPA	8082A Prepa	aration Metl	nod: El	PA 3541			
PCB-1016 (Aroclor 1016)	<31.0	ug/kg	62.0	31.0	1	04/11/19 08:14	04/11/19 19:22	12674-11-2	
PCB-1221 (Aroclor 1221)	<31.0	ug/kg	62.0	31.0	1	04/11/19 08:14	04/11/19 19:22	11104-28-2	
PCB-1232 (Aroclor 1232)	<31.0	ug/kg	62.0	31.0	1	04/11/19 08:14	04/11/19 19:22	11141-16-5	
PCB-1242 (Aroclor 1242)	<31.0	ug/kg	62.0	31.0	1	04/11/19 08:14	04/11/19 19:22	53469-21-9	
PCB-1248 (Aroclor 1248)	<31.0	ug/kg	62.0	31.0	1	04/11/19 08:14	04/11/19 19:22	12672-29-6	
PCB-1254 (Aroclor 1254)	<31.0	ug/kg	62.0	31.0	1	04/11/19 08:14	04/11/19 19:22	11097-69-1	
PCB-1260 (Aroclor 1260)	<31.0	ug/kg	62.0	31.0	1	04/11/19 08:14	04/11/19 19:22	11096-82-5	
PCB-1262 (Aroclor 1262)	<31.0	ug/kg	62.0	31.0	1	04/11/19 08:14	04/11/19 19:22	37324-23-5	
PCB-1268 (Aroclor 1268)	<31.0	ug/kg	62.0	31.0	1	04/11/19 08:14	04/11/19 19:22	11100-14-4	
PCB, Total	<31.0	ug/kg	62.0	31.0	1	04/11/19 08:14	04/11/19 19:22	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	83	%	57-115		1	04/11/19 08:14	04/11/19 19:22	877-09-8	
Decachlorobiphenyl (S)	88	%	47-97		1	04/11/19 08:14	04/11/19 19:22	2051-24-3	
Percent Moisture	Analytical	Method: AST	M D2974-87						
Percent Moisture	19.4	%	0.10	0.10	1		04/10/19 19:30		



Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

Date: 04/12/2019 03:44 PM

Sample: BP-3B Lab ID: 40185580006 Collected: 04/03/19 10:45 Received: 04/10/19 10:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical	Method: EPA	8082A Prepa	aration Meth	nod: El	PA 3541			
PCB-1016 (Aroclor 1016)	<33.3	ug/kg	66.7	33.3	1	04/11/19 08:14	04/11/19 19:40	12674-11-2	
PCB-1221 (Aroclor 1221)	<33.3	ug/kg	66.7	33.3	1	04/11/19 08:14	04/11/19 19:40	11104-28-2	
PCB-1232 (Aroclor 1232)	<33.3	ug/kg	66.7	33.3	1	04/11/19 08:14	04/11/19 19:40	11141-16-5	
PCB-1242 (Aroclor 1242)	<33.3	ug/kg	66.7	33.3	1	04/11/19 08:14	04/11/19 19:40	53469-21-9	
PCB-1248 (Aroclor 1248)	<33.3	ug/kg	66.7	33.3	1	04/11/19 08:14	04/11/19 19:40	12672-29-6	
PCB-1254 (Aroclor 1254)	<33.3	ug/kg	66.7	33.3	1	04/11/19 08:14	04/11/19 19:40	11097-69-1	
PCB-1260 (Aroclor 1260)	<33.3	ug/kg	66.7	33.3	1	04/11/19 08:14	04/11/19 19:40	11096-82-5	
PCB-1262 (Aroclor 1262)	<33.3	ug/kg	66.7	33.3	1	04/11/19 08:14	04/11/19 19:40	37324-23-5	
PCB-1268 (Aroclor 1268)	<33.3	ug/kg	66.7	33.3	1	04/11/19 08:14	04/11/19 19:40	11100-14-4	
PCB, Total	<33.3	ug/kg	66.7	33.3	1	04/11/19 08:14	04/11/19 19:40	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	79	%	57-115		1	04/11/19 08:14	04/11/19 19:40	877-09-8	
Decachlorobiphenyl (S)	85	%	47-97		1	04/11/19 08:14	04/11/19 19:40	2051-24-3	
Percent Moisture	Analytical	Method: AST	M D2974-87						
Percent Moisture	25.1	%	0.10	0.10	1		04/10/19 19:30		



Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

Date: 04/12/2019 03:44 PM

Sample: BP-4A Lab ID: 40185580007 Collected: 04/03/19 10:50 Received: 04/10/19 10:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical	Method: EPA	8082A Prepa	aration Meth	nod: El	PA 3541			
PCB-1016 (Aroclor 1016)	<33.8	ug/kg	67.6	33.8	1	04/11/19 08:14	04/11/19 19:58	12674-11-2	
PCB-1221 (Aroclor 1221)	<33.8	ug/kg	67.6	33.8	1	04/11/19 08:14	04/11/19 19:58	11104-28-2	
PCB-1232 (Aroclor 1232)	<33.8	ug/kg	67.6	33.8	1	04/11/19 08:14	04/11/19 19:58	11141-16-5	
PCB-1242 (Aroclor 1242)	<33.8	ug/kg	67.6	33.8	1	04/11/19 08:14	04/11/19 19:58	53469-21-9	
PCB-1248 (Aroclor 1248)	<33.8	ug/kg	67.6	33.8	1	04/11/19 08:14	04/11/19 19:58	12672-29-6	
PCB-1254 (Aroclor 1254)	<33.8	ug/kg	67.6	33.8	1	04/11/19 08:14	04/11/19 19:58	11097-69-1	
PCB-1260 (Aroclor 1260)	<33.8	ug/kg	67.6	33.8	1	04/11/19 08:14	04/11/19 19:58	11096-82-5	
PCB-1262 (Aroclor 1262)	<33.8	ug/kg	67.6	33.8	1	04/11/19 08:14	04/11/19 19:58	37324-23-5	
PCB-1268 (Aroclor 1268)	<33.8	ug/kg	67.6	33.8	1	04/11/19 08:14	04/11/19 19:58	11100-14-4	
PCB, Total	<33.8	ug/kg	67.6	33.8	1	04/11/19 08:14	04/11/19 19:58	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	73	%	57-115		1	04/11/19 08:14	04/11/19 19:58	877-09-8	
Decachlorobiphenyl (S)	79	%	47-97		1	04/11/19 08:14	04/11/19 19:58	2051-24-3	
Percent Moisture	Analytical I	Method: AST	M D2974-87						
Percent Moisture	26.2	%	0.10	0.10	1		04/10/19 19:30		



Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

Date: 04/12/2019 03:44 PM

Sample: BP-4B Lab ID: 40185580008 Collected: 04/03/19 10:55 Received: 04/10/19 10:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical	Method: EPA	8082A Prepa	aration Meth	nod: El	PA 3541			
PCB-1016 (Aroclor 1016)	<32.6	ug/kg	65.2	32.6	1	04/11/19 08:14	04/11/19 20:16	12674-11-2	
PCB-1221 (Aroclor 1221)	<32.6	ug/kg	65.2	32.6	1	04/11/19 08:14	04/11/19 20:16	11104-28-2	
PCB-1232 (Aroclor 1232)	<32.6	ug/kg	65.2	32.6	1	04/11/19 08:14	04/11/19 20:16	11141-16-5	
PCB-1242 (Aroclor 1242)	<32.6	ug/kg	65.2	32.6	1	04/11/19 08:14	04/11/19 20:16	53469-21-9	
PCB-1248 (Aroclor 1248)	<32.6	ug/kg	65.2	32.6	1	04/11/19 08:14	04/11/19 20:16	12672-29-6	
PCB-1254 (Aroclor 1254)	<32.6	ug/kg	65.2	32.6	1	04/11/19 08:14	04/11/19 20:16	11097-69-1	
PCB-1260 (Aroclor 1260)	<32.6	ug/kg	65.2	32.6	1	04/11/19 08:14	04/11/19 20:16	11096-82-5	
PCB-1262 (Aroclor 1262)	<32.6	ug/kg	65.2	32.6	1	04/11/19 08:14	04/11/19 20:16	37324-23-5	
PCB-1268 (Aroclor 1268)	<32.6	ug/kg	65.2	32.6	1	04/11/19 08:14	04/11/19 20:16	11100-14-4	
PCB, Total	<32.6	ug/kg	65.2	32.6	1	04/11/19 08:14	04/11/19 20:16	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	76	%	57-115		1	04/11/19 08:14	04/11/19 20:16	877-09-8	
Decachlorobiphenyl (S)	82	%	47-97		1	04/11/19 08:14	04/11/19 20:16	2051-24-3	
Percent Moisture	Analytical	Method: AST	M D2974-87						
Percent Moisture	23.3	%	0.10	0.10	1		04/10/19 19:30		



Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

Date: 04/12/2019 03:44 PM

Sample: BP-5A Lab ID: 40185580009 Collected: 04/03/19 11:10 Received: 04/10/19 10:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	<32.8	ug/kg	65.5	32.8	1	04/11/19 08:14	04/12/19 11:55	12674-11-2	
PCB-1221 (Aroclor 1221)	<32.8	ug/kg	65.5	32.8	1	04/11/19 08:14	04/12/19 11:55	11104-28-2	
PCB-1232 (Aroclor 1232)	<32.8	ug/kg	65.5	32.8	1	04/11/19 08:14	04/12/19 11:55	11141-16-5	
PCB-1242 (Aroclor 1242)	<32.8	ug/kg	65.5	32.8	1	04/11/19 08:14	04/12/19 11:55	53469-21-9	
PCB-1248 (Aroclor 1248)	<32.8	ug/kg	65.5	32.8	1	04/11/19 08:14	04/12/19 11:55	12672-29-6	
PCB-1254 (Aroclor 1254)	<32.8	ug/kg	65.5	32.8	1	04/11/19 08:14	04/12/19 11:55	11097-69-1	
PCB-1260 (Aroclor 1260)	<32.8	ug/kg	65.5	32.8	1	04/11/19 08:14	04/12/19 11:55	11096-82-5	
PCB-1262 (Aroclor 1262)	<32.8	ug/kg	65.5	32.8	1	04/11/19 08:14	04/12/19 11:55	37324-23-5	
PCB-1268 (Aroclor 1268)	<32.8	ug/kg	65.5	32.8	1	04/11/19 08:14	04/12/19 11:55	11100-14-4	
PCB, Total	<32.8	ug/kg	65.5	32.8	1	04/11/19 08:14	04/12/19 11:55	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	57-115		1	04/11/19 08:14	04/12/19 11:55	877-09-8	
Decachlorobiphenyl (S)	82	%	47-97		1	04/11/19 08:14	04/12/19 11:55	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	23.6	%	0.10	0.10	1		04/10/19 19:30		



ANALYTICAL RESULTS

Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

Date: 04/12/2019 03:44 PM

Sample: BP-5B Lab ID: 40185580010 Collected: 04/03/19 11:15 Received: 04/10/19 10:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical	Method: EPA	8082A Prepa	aration Meth	nod: El	PA 3541			
PCB-1016 (Aroclor 1016)	<36.0	ug/kg	72.1	36.0	1	04/11/19 08:14	04/12/19 12:13	12674-11-2	
PCB-1221 (Aroclor 1221)	<36.0	ug/kg	72.1	36.0	1	04/11/19 08:14	04/12/19 12:13	11104-28-2	
PCB-1232 (Aroclor 1232)	<36.0	ug/kg	72.1	36.0	1	04/11/19 08:14	04/12/19 12:13	11141-16-5	
PCB-1242 (Aroclor 1242)	<36.0	ug/kg	72.1	36.0	1	04/11/19 08:14	04/12/19 12:13	53469-21-9	
PCB-1248 (Aroclor 1248)	<36.0	ug/kg	72.1	36.0	1	04/11/19 08:14	04/12/19 12:13	12672-29-6	
PCB-1254 (Aroclor 1254)	<36.0	ug/kg	72.1	36.0	1	04/11/19 08:14	04/12/19 12:13	11097-69-1	
PCB-1260 (Aroclor 1260)	<36.0	ug/kg	72.1	36.0	1	04/11/19 08:14	04/12/19 12:13	11096-82-5	
PCB-1262 (Aroclor 1262)	<36.0	ug/kg	72.1	36.0	1	04/11/19 08:14	04/12/19 12:13	37324-23-5	
PCB-1268 (Aroclor 1268)	<36.0	ug/kg	72.1	36.0	1	04/11/19 08:14	04/12/19 12:13	11100-14-4	
PCB, Total	<36.0	ug/kg	72.1	36.0	1	04/11/19 08:14	04/12/19 12:13	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	75	%	57-115		1	04/11/19 08:14	04/12/19 12:13	877-09-8	
Decachlorobiphenyl (S)	77	%	47-97		1	04/11/19 08:14	04/12/19 12:13	2051-24-3	
Percent Moisture	Analytical	Method: AST	M D2974-87						
Percent Moisture	30.5	%	0.10	0.10	1		04/10/19 19:30		



ANALYTICAL RESULTS

Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

Date: 04/12/2019 03:44 PM

Sample: BP-6A Lab ID: 40185580011 Collected: 04/03/19 11:25 Received: 04/10/19 10:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical	Method: EPA	8082A Prepa	aration Meth	nod: El	PA 3541			
PCB-1016 (Aroclor 1016)	<31.0	ug/kg	62.1	31.0	1	04/11/19 08:14	04/12/19 12:31	12674-11-2	
PCB-1221 (Aroclor 1221)	<31.0	ug/kg	62.1	31.0	1	04/11/19 08:14	04/12/19 12:31	11104-28-2	
PCB-1232 (Aroclor 1232)	<31.0	ug/kg	62.1	31.0	1	04/11/19 08:14	04/12/19 12:31	11141-16-5	
PCB-1242 (Aroclor 1242)	<31.0	ug/kg	62.1	31.0	1	04/11/19 08:14	04/12/19 12:31	53469-21-9	
PCB-1248 (Aroclor 1248)	<31.0	ug/kg	62.1	31.0	1	04/11/19 08:14	04/12/19 12:31	12672-29-6	
PCB-1254 (Aroclor 1254)	<31.0	ug/kg	62.1	31.0	1	04/11/19 08:14	04/12/19 12:31	11097-69-1	
PCB-1260 (Aroclor 1260)	<31.0	ug/kg	62.1	31.0	1	04/11/19 08:14	04/12/19 12:31	11096-82-5	
PCB-1262 (Aroclor 1262)	<31.0	ug/kg	62.1	31.0	1	04/11/19 08:14	04/12/19 12:31	37324-23-5	
PCB-1268 (Aroclor 1268)	<31.0	ug/kg	62.1	31.0	1	04/11/19 08:14	04/12/19 12:31	11100-14-4	
PCB, Total	<31.0	ug/kg	62.1	31.0	1	04/11/19 08:14	04/12/19 12:31	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	75	%	57-115		1	04/11/19 08:14	04/12/19 12:31	877-09-8	
Decachlorobiphenyl (S)	78	%	47-97		1	04/11/19 08:14	04/12/19 12:31	2051-24-3	
Percent Moisture	Analytical I	Method: AST	M D2974-87						
Percent Moisture	19.4	%	0.10	0.10	1		04/10/19 19:31		



ANALYTICAL RESULTS

Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

Date: 04/12/2019 03:44 PM

Sample: BP-6B Lab ID: 40185580012 Collected: 04/03/19 11:30 Received: 04/10/19 10:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical	Method: EPA	8082A Prepa	aration Meth	nod: El	PA 3541			
PCB-1016 (Aroclor 1016)	<33.6	ug/kg	67.1	33.6	1	04/11/19 08:14	04/12/19 13:37	12674-11-2	
PCB-1221 (Aroclor 1221)	<33.6	ug/kg	67.1	33.6	1	04/11/19 08:14	04/12/19 13:37	11104-28-2	
PCB-1232 (Aroclor 1232)	<33.6	ug/kg	67.1	33.6	1	04/11/19 08:14	04/12/19 13:37	11141-16-5	
PCB-1242 (Aroclor 1242)	<33.6	ug/kg	67.1	33.6	1	04/11/19 08:14	04/12/19 13:37	53469-21-9	
PCB-1248 (Aroclor 1248)	<33.6	ug/kg	67.1	33.6	1	04/11/19 08:14	04/12/19 13:37	12672-29-6	
PCB-1254 (Aroclor 1254)	<33.6	ug/kg	67.1	33.6	1	04/11/19 08:14	04/12/19 13:37	11097-69-1	
PCB-1260 (Aroclor 1260)	<33.6	ug/kg	67.1	33.6	1	04/11/19 08:14	04/12/19 13:37	11096-82-5	
PCB-1262 (Aroclor 1262)	<33.6	ug/kg	67.1	33.6	1	04/11/19 08:14	04/12/19 13:37	37324-23-5	
PCB-1268 (Aroclor 1268)	<33.6	ug/kg	67.1	33.6	1	04/11/19 08:14	04/12/19 13:37	11100-14-4	
PCB, Total	<33.6	ug/kg	67.1	33.6	1	04/11/19 08:14	04/12/19 13:37	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	75	%	57-115		1	04/11/19 08:14	04/12/19 13:37	877-09-8	
Decachlorobiphenyl (S)	79	%	47-97		1	04/11/19 08:14	04/12/19 13:37	2051-24-3	
Percent Moisture	Analytical	Method: AST	M D2974-87						
Percent Moisture	25.4	%	0.10	0.10	1		04/10/19 19:31		



QUALITY CONTROL DATA

Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

Date: 04/12/2019 03:44 PM

QC Batch: 318008 Analysis Method: EPA 8082A
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB

Associated Lab Samples: 40185580001, 40185580002, 40185580003, 40185580004, 40185580005, 40185580006, 40185580007,

40185580008, 40185580009, 40185580010, 40185580011, 40185580012

METHOD BLANK: 1848861 Matrix: Solid

Associated Lab Samples: 40185580001, 40185580002, 40185580003, 40185580004, 40185580005, 40185580006, 40185580007,

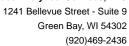
40185580008, 40185580009, 40185580010, 40185580011, 40185580012

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<25.0	50.0	04/11/19 16:56	
PCB-1221 (Aroclor 1221)	ug/kg	<25.0	50.0	04/11/19 16:56	
PCB-1232 (Aroclor 1232)	ug/kg	<25.0	50.0	04/11/19 16:56	
PCB-1242 (Aroclor 1242)	ug/kg	<25.0	50.0	04/11/19 16:56	
PCB-1248 (Aroclor 1248)	ug/kg	<25.0	50.0	04/11/19 16:56	
PCB-1254 (Aroclor 1254)	ug/kg	<25.0	50.0	04/11/19 16:56	
PCB-1260 (Aroclor 1260)	ug/kg	<25.0	50.0	04/11/19 16:56	
PCB-1262 (Aroclor 1262)	ug/kg	<25.0	50.0	04/11/19 16:56	
PCB-1268 (Aroclor 1268)	ug/kg	<25.0	50.0	04/11/19 16:56	
Decachlorobiphenyl (S)	%	82	47-97	04/11/19 16:56	
Tetrachloro-m-xylene (S)	%	75	57-115	04/11/19 16:56	

Spike LCS LCS % Rec	ifiore
	ifiore
Parameter Units Conc. Result % Rec Limits Quali	IIIGIS
PCB-1016 (Aroclor 1016) ug/kg <25.0	
PCB-1221 (Aroclor 1221) ug/kg <25.0	
PCB-1232 (Aroclor 1232) ug/kg <25.0	
PCB-1242 (Aroclor 1242) ug/kg <25.0	
PCB-1248 (Aroclor 1248) ug/kg <25.0	
PCB-1254 (Aroclor 1254) ug/kg <25.0	
PCB-1260 (Aroclor 1260) ug/kg 500 410 82 64-115	
PCB-1262 (Aroclor 1262) ug/kg <25.0	
PCB-1268 (Aroclor 1268) ug/kg <25.0	
Decachlorobiphenyl (S) % 86 47-97	
Tetrachloro-m-xylene (S) % 80 57-115	

MATRIX SPIKE & MATRIX SP	IKE DUPLICA	ATE: 18488	63		1848864						
			MS	MSD		1405		1405	0/ 5		
Parameter	Units	10185580001 Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD RPD	Qual
			COIIC.		. ———	Nesuit	/0 KeC	/0 Nec	. ———	- KFD KFD	Quai
PCB-1016 (Aroclor 1016)	ug/kg	<31.4			<31.5	<31.4				20	
PCB-1221 (Aroclor 1221)	ug/kg	<31.4			<31.5	<31.4				20	
PCB-1232 (Aroclor 1232)	ug/kg	<31.4			<31.5	<31.4				20	
PCB-1242 (Aroclor 1242)	ug/kg	<31.4			<31.5	<31.4				20	
PCB-1248 (Aroclor 1248)	ug/kg	<31.4			<31.5	<31.4				20	
PCB-1254 (Aroclor 1254)	ug/kg	<31.4			<31.5	<31.4				20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.





QUALITY CONTROL DATA

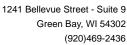
Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

Date: 04/12/2019 03:44 PM

MATRIX SPIKE & MATRIX SP	IKE DUPLICA	TE: 18488	63		1848864							
	4	0185580001	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
PCB-1260 (Aroclor 1260)	ug/kg	<31.4	629	628	516	489	82	78	49-115	5	20	
PCB-1262 (Aroclor 1262)	ug/kg	<31.4			<31.5	<31.4					20	
PCB-1268 (Aroclor 1268)	ug/kg	<31.4			<31.5	<31.4					20	
Decachlorobiphenyl (S)	%						86	83	47-97			
Tetrachloro-m-xylene (S)	%						81	76	57-115			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.





QUALITY CONTROL DATA

Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

QC Batch: 317991 Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40185580001, 40185580002, 40185580003, 40185580004, 40185580005, 40185580006, 40185580007,

40185580008, 40185580009, 40185580010, 40185580011, 40185580012

SAMPLE DUPLICATE: 1848813

Date: 04/12/2019 03:44 PM

40185530001 Dup Max Parameter Units Result Result **RPD** RPD Qualifiers 5.0 Percent Moisture % 5.2 4 10

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

(920)469-2436



QUALIFIERS

Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Date: 04/12/2019 03:44 PM



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: A191405 MADISON KIPP CORPORAT

Pace Project No.: 40185580

Date: 04/12/2019 03:44 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
40185580001	BP-1A	EPA 3541	318008	EPA 8082A	318012
40185580002	BP-1B	EPA 3541	318008	EPA 8082A	318012
40185580003	BP-2A	EPA 3541	318008	EPA 8082A	318012
40185580004	BP-2B	EPA 3541	318008	EPA 8082A	318012
40185580005	BP-3A	EPA 3541	318008	EPA 8082A	318012
40185580006	BP-3B	EPA 3541	318008	EPA 8082A	318012
40185580007	BP-4A	EPA 3541	318008	EPA 8082A	318012
40185580008	BP-4B	EPA 3541	318008	EPA 8082A	318012
40185580009	BP-5A	EPA 3541	318008	EPA 8082A	318012
40185580010	BP-5B	EPA 3541	318008	EPA 8082A	318012
40185580011	BP-6A	EPA 3541	318008	EPA 8082A	318012
40185580012	BP-6B	EPA 3541	318008	EPA 8082A	318012
40185580001	BP-1A	ASTM D2974-87	317991		
40185580002	BP-1B	ASTM D2974-87	317991		
40185580003	BP-2A	ASTM D2974-87	317991		
40185580004	BP-2B	ASTM D2974-87	317991		
40185580005	BP-3A	ASTM D2974-87	317991		
40185580006	BP-3B	ASTM D2974-87	317991		
40185580007	BP-4A	ASTM D2974-87	317991		
40185580008	BP-4B	ASTM D2974-87	317991		
40185580009	BP-5A	ASTM D2974-87	317991		
40185580010	BP-5B	ASTM D2974-87	317991		
40185580011	BP-6A	ASTM D2974-87	317991		
40185580012	BP-6B	ASTM D2974-87	317991		



SUBCONTRACT ORDER

Pace Analytical - Madison A191405

SENDING LABORATORY:

Pace Analytical - Madison 2525 Advance Road Madison, WI 53718 Phone: 608.221.8700

Fax: 608,221,4889

Project Manager:

Jessica Esser

Project Name: Madison Kipp Corporation

RECEIVING LABORATORY:

Pace Analytical - Indy 7726 Moller Road Indianapolis, IN 46268 Phone: (317) 228-3118

Fax: -

Turn around Time:

X Normal

Rush

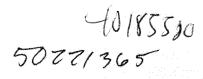
4/17/19

Laboratory ID Comments 001 Lab ID: A191405-01 Soil Sampled: 04/03/2019 10:05 8082 PCBs Containers Supplied: 03 4oz WM Amber Glass 002 Lab ID: A191405-02 Soil Sampled: 04/03/2019 10:10 8082 PCBs report to MDL - plus 2 extra compounds Containers Supplied: 03_4oz WM Amber Glass 003 Lab ID: A191405-03 Soil Sampled: 04/03/2019 10:20 8082 PCBs report to MDL - plus 2 extra compounds Containers Supplied: 03_4oz WM Amber Glass 004 Lab ID: A191405-04 Soil Sampled: 04/03/2019 10:25 8082 PCBs report to MDL - plus 2 extra compounds Containers Supplied: 03_4oz WM Amber Glass 005 Lab ID: A191405-05 Soil Sampled: 04/03/2019 10:40 8082 PCBs report to MDL - plus 2 extra compounds Containers Supplied: 03_4oz WM Amber Glass

Date



SUBCONTRACT ORDER Pace Analytical - Madison A191405



			Laboratory ID	Comments
Lab ID: A191405-06	Soil	Sampled: 04/03/2019 10:45	006	annoquate programme and the second programme a
8082 PCBs				report to MDL - plus 2 extra compounds
Containers Supplied: 03_4oz WM Amber Glass				
Lab ID: A191405-07	Soil	Sampled: 04/03/2019 10:50	007	
8082 PCBs				report to MDL - plus 2 extra compounds
Containers Supplied: 03_4oz WM Amber Glass				
Lab ID: A191405-08	Soil	0. 1. 0.4102.2040.40.40	008	
8082 PCBs	3011	Sampled: 04/03/2019 10:55		report to MDL - plus 2
Containers Supplied:				extra compounds
03_4oz WM Amber Glass				
Lab ID: A191405-09	Soil	Sampled: 04/03/2019 11:10	009	
082 PCBs				report to MDL - plus 2 extra compounds
Containers Supplied: 3_4oz WM Amber Glass				
Lab ID: A191405-10	Soil	Sampled: 04/03/2019 11:15	010	
082 PCBs				report to MDL - plus 2
ontainers Supplied: 3_40z WM Amber Glass				extra compounds
Lab ID: A191405-11	Soil	Sampled: 04/03/2019 11:25	011	
082 PCBs				report to MDL - plus 2
ontainers Supplied: 3_40z WM Amber Glass				extra compounds
Lab ID: A191405-12	Soil	Sampled: 04/03/2019 11:30	017	
82 PCBs				report to MDL - plus 2 extra compounds
ontainers Supplied: 3_40z WM Amber Glass				
Lari An Killi	4/3/19 1600 Date	Fedus Received By		
Feder	4-4-19 900	1675	Date 4-4	-19 9nn 11°
eased By /	Date 4-10-19-12	Junah Ulfer	Date	19 900 1.1°C Page 2 of 2 Page 25 of 2 Page 25 of 2

Pace Analytical

SAMPLE CONDITION UPON RECEIPT FORM

Project #: 507713			Date/Time and Initials of person examining contents: KS 4-4-	-19	1313	
Courier: Fed Ex UPS USPS Client Tracking #: 4542 1025 2022		Commercia	al Pace Other			
Custody Seal on Cooler/Box Present: Yes	[] No	**************************************	Soale Intant:			
Packing Material: Bubble Wrap Bubble	e Baos	□ Non	e Other			
Thermometer: 123456ABCDEF	Ice Tyne	[X\ne	et Blue None Samples collected today and on ice:	f	proving a c	
Cooler Temperature: 1.2 1.	100 1 100	-)ZJ 446				
(Initial/Corrected) Temp should be above freezing to 6°C	*		Ice Visible in Sample Containers?			o D.W
	*****************************	.288 8	If temp, is Over 6°C or under 0°C, was the PM Notified?:	Yes		<u>M/A</u>
All disch	1		ten out in the comments section below.			
Are samples from West Virginia?	Yes	No		Yes	No	MA
Document any containers out of temp. USDA Regulated Soils? (ID, NY, WA, OR, CA, NM, TX,	•		All containers needing acid/base pres. Have been checked?: exceptions: VOA, coliform, LLHg, O&G, and any			Region (control control contro
OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto		1	container with a septum cap or preserved with HCI. All containers needing preservation are found to be in compliance		And the second s	
Chain of Custody Present:		**************************************	with EPA recommendation (<2, >9, >12) unless otherwise noted. Circle: HNO3 H2SO4 NaOH NaOH/ZnAc			
Chain of Custody Filled Out:		***************************************	Dissolved Metals field filtered?:	****		
Short Hold Time Analysis (<72hr)?: Analysis:			Headspace Wisconsin Sulfide	minute establishment etc. establishment establishment establishment establishment establishment establishment	gagarerranianiani (normalia) (compagas, no	
Time 5035A TC placed in Freezer or Short Holds To La	b:		ricadapace viscorisii Suinge	Present	Absent	N/A
			Residual Chlorine Check (SVOC 625 Pest/PCB 608) Residual Chlorine Check (Total/Amenable/Free Cyanide)	e e e e e e e e e e e e e e e e e e e		N/A ∕
Rush TAT Requested:		/	Headspace in VOA Vials (>6mm)	**************************************	60mm140mm140mm140mm140mm140mm140mm140mm1	
Containers Intact?:			Trip Blank Present?:	***************************************		
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID			Trip Blank Custody Seals?			
Comments:						
		***************************************			****	The contract of the contract o
	***************************************	***************************************		PARTITION SHAPE STREET, SECURITION OF STREET	***************************************	·
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		***************************************			A	
-IN-Q-290-rev 17,25Sep2018		100 mm (1 mm) (1 mm				

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CLIENT	Pac	e Ma	dise	n																			27 of
CLIENT: COC PAGE _ COC ID#	· · ·	······································						Proje	ct #	502	7130	Q5	· · ·				Buk Z SBS Z □				Matrix SIWM/NAL (Soil/Water/Non- Aqueous Liquid)		Page 27 of 30
Sample Line Item	000 0000 0000 0000 0000 0000 0000 0000 0000	AGOU	AG1H	AG1U	AG2U	AG3S	WGFU	SP5T	BP1U	BP2N	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U					Matrix (Soil/W	pH <2 ;	э н > 9 рн>
4														4.4							S 6		
2							1														1		
3												<u> </u>	B. Orange Control										
4									· dominio (partici)	Anne consider		1 2 3 3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	San Maria						Alphanda a street				
5									#: 2000 8						* * * * * * * * * * * * * * * * * * *				1				
6					1		1					9 (m. c)	organic control			-			The state of the s		V		
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9	Agricus 11 - 1 - 1	ļ		maki di ni a selem selemen da E E		0. militari (militari 1. 1.) 1 1		***************************************			hannan or one or to the contract	State of the state		ndones van 190-19.0-1 oderland		*	*************************	Become entered the trans	***************************************		egipen dei antiku deleh melitik melitik menit yan dilan generalah h t	haran aran arangan ang galaife a	Brahman (Samura) and a samura of the samura
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11				Property of the second	ine i Alice Coronicali	egine 1 - Albaya da da a gang	**************************************	egitano en			teresconding of the control of the c	hadasingen er e e especie		ernomene enegalisation i i			······································	***************************************		ĺ			erentus analogo a a a ge
	***************************************				***************************************						e-1,970 e-100 c-1070 (1770 c)												

tainer Co	odes	energy statements as				******					
	G	ass		Plastic / Misc.							
DG98	40mL Na Bisulfate amber vial	AGOU	100mL unpreserved amber glass	BP1A	1 liter NaOH, Asc Acid plastic	BP3U	250mL unpreserved plastic				
DG9H	40mL HCL amber voa vial	AG1H	1 liter HCL amber glass	BP1N	1 liter HNO3 plastic		250mL NaOH, Zn Ac plastic				
DG9M	40mL MeOH clear vial	AG1S	1 liter H2SO4 amber glass	BP1S	1 liter H2SO4 plastic						
DG9P	40mL TSP amber vial	AG1T	1 liter Na Thiosulfate amber glass	BP1U	1 liter unpreserved plastic	AF	Air Filler				
DG9S	40rnL H2SO4 amber vial	AG1U	1liter unpreserved amber glass	8P1Z	1 liter NaOH, Zn, Ac	С	Air Cassettes				
DG9T	40mL Na Thio amber vial	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	R	Terra core kit				
DG9U	40mL unpreserved amber vial	AG2S	500mL H2SO4 amber glass	BP2N	500mL HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate				
VG9H	40mL HCL clear vial	AG2U	500mL unpreserved amber glass	BP20	500mL NaOH plastic	and and an arrangement	Summa Can				
VG9T	40mL Na Thio, clear vial	AG3S	250mL H2SO4 glass amber	The same of the sa	500mL H2SO4 plastic	ZPLC	Ziploc Bag				
VG9U	40mL unpreserved clear vial	-A	250mL unpreserved amber glass		500mL unpreserved plastic	1					
VGFX	40mL w/hexane wipe vial	BG1H	1 liter HCL clear glass		500ml NaOH Zn Ac	******					

BP3B 250mL NaOH plastic

BP3N 250mL HNO3 plastic

BP3S 250mL H2SO4 plastic

BG1S 1 liter H2SO4 clear glass

BG1U 1 liter unpreserved glass

BG3H 250mL HCI Clear Glass

BG1T 1 liter Na Thiosulfate clear glass

BG3U 250mL Unpreserved Clear Glass

F-IN-Q-270-rev.10,31Aug2C17

JGFU 4oz unpreserved amber wide

VSG Headspace septa vial & HCL

WGKU 8oz unpreserved clear jar

WGFU 40z clear soil jar

CLIENT:	CLIENT: Paa Madison							Sample Container Count								WO#:5022				21365			28 of 30	
COC PAGE _	2-of_	2	2740000000					Proje	ct #	50 c	2130	e5					SBS	VAAA						Parie
Sample Line Item	769H	AGOU	AG1H	AG1U	AG2U	AG3S	WGFL	I SP5T	BP1U	BP2N	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	À B R				Matrix (Soil/V Aqueo	pH <2	pH >9	pH>12
)				And the control of th										Sl			
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12						1	Action of the second se		***************************************	1	: 			1					<u>.</u>			,		

Container Codes

		ilass		Plastic / Misc.							
DG9B	40mL Na Bisulfate amber vial	AG0U	100mL unpreserved amber glass	BP1A	1 liter NaOH, Asc Acid plastic	BP3U	250mL unpreserved plastic				
DG9H	40mL HCL amber voa vial	AG1H	1 liter HCL amber glass	BP1N	1 liter HNO3 plastic	BP3Z	250mL NaOH, Zn Ac plastic				
DG9M	40mL MeOH clear vial	AG1S	1 liter H2SO4 amber glass	BP1S	1 liter H2SO4 plastic						
DG9P	40mL TSP amber vial	AG1T	1 liter Na Thiosulfate amber glass	BP1U	1 liter unpreserved plastic	AF	Air Filter				
DG9S	40mL H2SO4 amber vial	AG1U	1liter unpreserved amber glass	BP1Z	1 liter NaOH, Zn, Ac	С	Air Cassettes				
DG9T	40mL Na Thio amber vial	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	R	Terra core kit				
DG9U	40mL unpreserved amber vial	AG2S	500mL H2SO4 amber glass	BP2N	500mL HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate				
VG9H	40mL HCL clear vial	AG2U	500mL unpreserved amber glass	BP20	500mL NaOH plastic	U	Summa Can				
VG9T	40mL Na Thio. clear vial	AG3S	250mL H2SO4 glass amber	BP2S	500mL H2SO4 plastic	ZPLC	Ziploc Bag				
VG9U	40mL unpreserved clear vial	AG3U	250mL unpreserved amber glass	BP2U	500mL unpreserved plastic						
VGFX	40mL w/hexane wipe vial	BG1H	1 liter HCL clear glass	BP2Z	500mL NaOH, Zn Ac						
VSG	Headspace septa vial & HCL	BG1S	1 liter H2SO4 clear glass	BP3B	250mL NaOH plastic						
WGKU	8oz unpreserved clear jar	BG1T	1 liter Na Thiosulfate clear glass	BP3N	250mL HNO3 plastic						
WGFU	4oz clear soil jar	BG1U	1 liter unpreserved glass		250mL H2SO4 plastic						
JGFU	4oz unpreserved amber wide	BG3H	250mL HCl Clear Glass								
		BG3U	250ml Unpreserved Clear Glass								

F-IN-Q-270-rev.10,31Aug2017

Pace Analytical Services, IRC 1241 Bellevue Street, Suite 9 Green Bay, WI 54202

Sample Preservation Receipt Form
Project # 40185580 Client Name:

All containers needing preservation have been checked and noted below: DYes No Initial when Date/ Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted): completed: Time: 8 'OA Vials (>6mm) Glass laOH+Zn Act pH **Plastic** H after adjusted Vials Jars General 12SO4 pH ≤2 laOH pH ≥12 Volume NO3 pH <2 AG10 AG1H AG5U AG2S BG3U AG4U BP1U BP2N **BP3U** ВРЗС **BP3N** DG9A WGFU BP2Z **BP3S** DG9T VG9U /G9H VG9M WPFU (mL)VG9D JGFU Pace ZPLC SP5T Lab# S 001 2.5 / 5 / 10 002 2.5 / 5 / 10 003 2.5 / 5 / 10 004 2.5 / 5 / 10 005 2.5 / 5 / 10 006 2.5 / 5 / 10 007 2.5 / 5 / 10 008 2.5 / 5 / 10 009 2.5 / 5 / 10 010 2.5 / 5 / 10 011 2.5 / 5 / 10 012 2.5 / 5 / 10 013 2.5 / 5 / 10 014 2.5 / 5 / 10 015 2.5 / 5 / 10 016 2.5 / 5 / 10 017 2.5 / 5 / 10 018 2.5 / 5 / 10 019 2.5 / 5 / 10 020 2.5 / 5 / 10 Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: Headspace in VOA Vials (>6mm) : □Yes □No /N\/A *If yes look in headspace column AG1U 1 liter amber glass BP1U 1 liter plastic unpres DG9A 40 mL amber ascorbic **JGFU** 4 oz amber jar unpres AG1H 1 liter amber glass HCL BP2N 500 mL plastic HNO3 DG9T 40 mL amber Na Thio WGFU 4 oz clear jar unpres AG4S 125 mL amber glass H2SO4 BP2Z 500 mL plastic NaOH, Znact VG9U 40 mL clear vial unpres **WPFU** 4 oz plastic jar unpres AG4U 120 mL amber glass unpres BP3U 250 mL plastic unpres VG9H 40 mL clear vial HCL AG5U 100 mL amber glass unpres BP3C 250 mL plastic NaOH VG9M 40 mL clear vial MeOH SP5T 120 mL plastic Na Thiosulfate AG2S 500 mL amber glass H2SO4 **BP3N** 250 mL plastic HNO3 40 mL clear vial DI VG9D **ZPLC** ziploc bag BG3U 250 mL clear glass unpres

GN:

BP3S

250 mL plastic H2SO4

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Sample Condition Upon Receipt Form (SCUR) Project #: **Client Name:** WO#:40185580 Courier: CS Logistics Fed Ex Speedee CUPS Waltco Client Pace Other: Tracking #: 4X Custody Seal on Cooler/Box Present: Tyes Ino Seals intact: Tyes Ino Custody Seal on Samples Present: yes no Seals intact: yes no Bubble Wrap Bubble Bags None Cother Packing Material: Thermometer Used SR -Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun **Cooler Temperature** Uncorr: Temp Blank Present: yes no Biological Tissue is Frozen: yes no Person examining contents: Temp should be above freezing to 6°C. Biota Samples may be received at ≤ 0°C Initials: Chain of Custody Present: ZYes □No □N/A Chain of Custody Filled Out: ZYes □No □N/A Chain of Custody Relinquished: ZYes □No □N/A Sampler Name & Signature on COC: ☐Yes ☐No ZN/A Samples Arrived within Hold Time: ØYes □No - VOA Samples frozen upon receipt □Yes □No Date/Time: Short Hold Time Analysis (<72hr): ☐Yes ZNo Rush Turn Around Time Requested: ☐Yes ZNo Sufficient Volume: For Analysis: ZYes □No MS/MSD: □Yes □No □N/A Correct Containers Used ZYes □No -Pace Containers Used: □Yes □No □N/A -Pace IR Containers Used: Yes □No □N/A Containers Intact: ZYes □No 10 Filtered volume received for Dissolved tests □Yes □No Z/N/A Sample Labels match COC: 12. Pace, IN covered face, Madis ØYes □No -Includes date/time/ID/Analysis Matrix: Trip Blank Present: □Yes □No ØN/A Trip Blank Custody Seals Present □Yes □No Pace Trip Blank Lot # (if purchased): Client Notification/ Resolution: If checked, see attached form for additional comments Person Contacted: Date/Time: Comments/ Resolution: **Project Manager Review:** Date: 09/10/19