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5093-12-01	Sample Street Business Complex		02 West 8		ith Bend,			
	actor Enviro-Dynamics Mark Montalvo License 1845WD	Drill R				oprobe 66	10DT	
Driller Geologist	Mark Montalvo License 1845WD J. Barnhart, L.P.G.		d Elevation Water Le		Fe 8 F			
Date Drilled	4/11/2013		Depth of			Feet		
Boring Diamet			Method	borenc		ect-Push		
	ter 2 menes	Domi	Wiemou			ect-r usii		
Graphic Log	Description		Depth	Sample	Recovery (feet)	Blow Count	PID (ppm)	Completion
	and, silty, dark yellow-brown, 10YR 4/4, high						0.0	
	rganic content		_ =		2.6		0.0	
	lay, silty, very dark yellow-brown, 10YR 3/4 ine to medium sand, yellow-brown, 10YR 6/4		_ 5 _				0.0	
	, • · · · · · · · · · · · · · · · · · ·				2.4		0.0	
F	ine to medium sand, yellow-brown, 10YR 5/4, moi	st					0.0	
			_ 10 _		3.1		0.0	
Fi	ine to medium sand, brown, 10YR 5/3						0.0	
M	ledium to coarse sand and fine gravel, brown, 10Y	R	15		3.1		0.0	
5/	/3		= =				0.0	
	ine to medium sand, light gray, 10YR 6/1 ledium sand to fine gravel, some pebbles, 10YR 6/	1			4.5		0.0	
1V.	redum sand to fine graver, some peoples, 10 1 K o/	1	20				0.0	
	ine to medium sand and fine to medium gravel, ligh	nt			3.5		0.0	
	ray, 10 YR 6/1 ledium to coarse sand, gray, 10YR 6/1		25				0.0	
1V.	iculum to coarse saild, gray, 10 f K 0/1		F =		3.5		0.0	
	ledium to coarse sand & fine to medium gravel, gra	ıy,					0.0	
10	OYR 6/1		_ 30 _		3.8		0.0	
	ine to medium gravel, some coarse sand, gray, 10Y	R	= =				0.0	
6/			35		2.5		0.0	
	ledium to coarse sand & fine gravel, gray, 10YR						0.0	
5/ Sy	witched to 5-ft cores				4.0		0.0	
	ledium to coarse sand, gray-brown to yellow-brown	1,	_ 40 _				0.0	
	0YR 5/2 to 10YR 5/4		E =		5.0		0.0	
			45					
							0.0	
			50 -		5.0		0.0	
$\overline{}$ $\overline{}$ $\overline{}$	Iedium sand, yellow-brown, 10YR 5/6						0.0	
					5.0		0.0	
Si	ilt, hard, yellow-brown 10YR 5/6		55		-			
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
			L =					
<u> </u>								

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5093-12-01	Sample Street Busin	ness Complex		2 West S	Sampl				uth Bend, I
	actor Enviro-Dynamics		Drill R	•			oprobe 661	10DT	
Driller	Rob Mores	License 1845WD		d Elevation		Fe			
Geologist	J. Barnhart, L.P.G.			Water Le			eet		
Date Drilled	4/11/2013			Depth of l	boreho		Feet		
Boring Diamet	er 2 Inches		Boring	Method			ect-Push		
Graphic Log	Descri	ption		Depth	Sample	Recovery (feet)	Blow Count	PID (ppm)	Completion
	oncrete ne to medium sand, light y	11 1							
						2.3		0.0	
	ne to medium sand, light yoist	ellow-brown, 10YR 6/4	, /	_ 5 _					
	ne to medium sand, yellov	7-brown, 10YR 5/4				2.7		0.0	
Fi	ne to medium sand, yellov	7-brown, 10YR 5/3		_ ₁₀ _				0.0	
	ledium to coarse sand, yell ne to medium sand, some					4.0		0.0	
	OYR 5/3	peddies, yellow-blown,	-					0.0	
	ledium to coarse sand, yell	ow-brown, 10YR 5/4, ve	ery	15		4.0		0.0	
	oist ledium to coarse sand & fir								
	ose, wet	ic graver, gray, 101K 3/	1,	 _ 20		2.3		0.0	
								0.0	
								0.0	
	ledium sand, gray-brown, leaving sand	0YR 5/2	/ †	25				0.0	
$\overline{\mathbf{M}}$	ledium to coarse sand & firewrith from 10YR 5/2	ne to medium gravel,						0.0	
	ledium to coarse sand, yell	ow-brown, 10YR 5/4, w	et	_ 30				0.0	
	, •	,							
			-	 _ 35 _		4.6		0.0	
C	oarse sand to fine gravel, g	ray, 10YR 6/1						0.0	
								0.0	
N	ledium to coarse sand, yell	ow-brown, 10YR 5/3		40				0.0	
	, •	,							
				 _ 45 _				0.0	
				_				0.0	
N	ledium to coarse sand, yell	ow-brown, 10YR 4/3						0.0	
..*.	ledium to coarse sand, yell			_ 50 _				0.0	
	, , , -	,							
				 — 55 —				0.0	
• • • • • •	oarse sand to medium grav							0.0	
	It with fine gravel, very ha	rd, brown gray, 10YR 5	/2					0.0	
				_ 60 _				"	
			ļ	_					
			F	_					

SR-13

Drilling Co	ontractor Enviro-Dynamics	Drill 1	Rig		Ge	oprobe 66	00	
Driller	Rob Mores License 1845W	O Groun	nd Elevat	ion	Fe	et		
Geologist	J. Barnhart, L.P.G.		Water L			eet		
Date Drille	•	Total	Depth of	boreh		Feet		
Boring Dia			g Metho			ect-Push		
							\Box	
å _C					Recovery (feet)	nt		n
Ϋ́	Description				Ŋ	no.	(m	útio
Graphic Log				Sample	ove	Blow Count	(mdd)	Completion
rap -			Depth	am	oc	lov	PID	шо
Ö			Ď	S	2	В	P P	Ŋ
9 9 9	Asphalt Sand & silt, heavily stained, black, no odor	/	L :	1				
	Fine to medium sand, yellow-brown, 10YR 6/4, or	lean,		1	2.1		0.5	
	moist	,	_ 5 -					
	wet @ ~8-ft		E :		2.2		0.0	
				-				
			- 10 -]	2.9		0.0	
	Fine to medium sand & some fine gravel,		F :	7			0.0	
	yellow-brown, 10YR 6/4		15	1	4.0		0.0	
	Medium sand, light yellow-brown to brown, 10Y	R 6/4	‡ :	1			0.0	
	- 10YR 5/3			1			0.0	
	Medium sand & fine to medium gravel, thin strin	ger of	20 -				0.0	
	silt @ 25-ft			1			0.0	
	-Heaving sand						0.0	
	Coarse gravel, brown, 10YR 5/3		\pm 23				0.0	
```	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	/	F -				0.0	
	-Heaving sand		30 -					
	Medium sand, gray brown, 10YR 6/2		F :	7			0.0	
	Drilling stopped @ 35-ft 4/11/13. Resumed drilli 4/12/13	ng	F				0.0	
	Medium sand to fine gravel, brown-gray, 10YR 6	<u></u>	35 -				0.0	
					<b>.</b> 0			
	Medium sand to coarse sand, coarsening downwa	rds,	40 -	1	5.0		0.0	
	brown, 10YR 5/3						0.0	
				1	5.0		0.0	
	Medium sand to fine gravel, brown, 10YR 5/4		45 -	┧				
	8-1-1-1, 310 mm, 10 11 10 11 11 11 11 11 11 11 11 11 11		<u> </u>	-			0.0	
	Medium to coarse sand, brown, 10YR 5/4			-	5.0		0.0	
	Medium sand to coarse gravel, muddy, brown, 10	YR	_ 30 -	-			0.0	
	5/4 Clay, hard, dense, brown, 10YR 5/4		Ξ-	]	3.8		0.0	<u> </u>
	Medium sand to fine gravel, brown, 10YR 5/4	/	_ 55 -	]	3.0			
<del>````</del>	Silt with thin stringers of fine sand, trace clay, ve	ry	‡ :				0.0	
	soft, saturated, light brown, 10YR 6/3		-		4.0		0.0	
11111	Total Depth of boring 60-ft		60 -					
	Well completed at 52-ft		<u> </u>	1				
	5-ft 1-inch pre-pack well screen		<u> </u>	-				

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093-12-01	Sample Street Business Complex	3702 West Sample Street South Bend, IN							
Orilling Con	ntractor Enviro-Dynamics	Drill R	Rig	_	Geo	oprobe 660	00		
Oriller	Rob Mores License 1845WD	Groun	d Elevatio	on	Fee	et			
Geologist	J. Barnhart, L.P.G.	Static	Water Le	vel	8 F	eet			
ate Drilled	4/11/2013	Total I	Depth of	boreh	ole 60	Feet			
oring Dian	neter 2 Inches	Boring	Method		Dir	ect-Push			
Graphic Log	Description		Depth	Sample	Recovery (feet)	Blow Count	PID (ppm)	Completion	
	Asphalt								
	Loam, some gravel, dark brown, 10YR 3/2, moist		Ε Ξ		1.6		0.0		
	Medium sand, brown, 10YR 4/6, moist		_ 5 _						
	Medium sand, light brown, 10YR 6/4, very moist to				2.4		0.0		
	Fine to medium sand, light brown, 10YR 6/4								
	The to mediam sand, right orown, To Tit of T		_ 10 _		3.0		0.0		
							0.0		
	Fine sand, yellow-brown, 10YR 6/4				4.0		0.0		
	Fine to medium sand, bown-yellow, 10YR 6/6						0.0		
	Medium to coarse sand, yellow-brown, 10YR 6/4				4.0		0.0		
	Fine to medium sand, some pebbles, yellow-brown,		20				0.0		
	10YR 6/4								
			 25		5.0		0.0		
	Medium sand to fine gravel, some pebbles, gray-brown, 10YR 6/2						0.0		
	Medium to coarse sand, some pebbles, light brown,				5.0		0.0		
	10YR 6/3		30				0.0		
	Medium to coarse sand, yellow-brown, 10YR 5/4						0.0		
					5.0		0.0		
	Medium sand, uniform, yellow-brown, 10YR 5/4						0.0		
					5.0		0.0		
	Coarse sand, yellow-brown, 10YR 5/4		40 —		5.0				
	Fine to medium gravel, some coarse gravel, slightly		_ =				0.0		
	muddy				4.0		0.0		
			45				0.0		
	Silt, hard, light brown, 10YR 6/2		F =		5.0		0.0	(C. 27 - 14 - 14 - 14 - 14 - 14 - 14 - 14 - 1	
	Medium sand, yellow-brown, 10YR 5/4		50		3.0		0.0		
	Total Depth of boring 50-ft								
	Well completed at 47-ft 5-ft 1-inch pre-pack screen		F =						
	1 1		55						
			₆₀						
			⊢ –						