Relinquished:			Date/	Гіте:		Relinqu	ished: _			Date/	Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			Date/ ⁻	Гіте:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
OL-VC-10034	8/8/2006	15:00	1118059.79	923085.68	14.9	362.77	347.87	SOIL	SEDIMENT	✓	1	20	19.7		0	
Comments:																
Upper depth (ft): Sample Description		Lower de et, soft, g		USCS: ilt like grains, t	SOLW race fine	sand, tra		0.6 cs, gree	Jerome: n discoloration		es, mothba	all odor.				
Upper depth (ft): Sample Description		Lower de et, soft, g		USCS: ilt like grains, t	SOLW race fine	sand, tra	<i>PID:</i> ce organi		Jerome: ches from bo		is a greenis	sh tan discolo	ration, mot	hball odo	r.	
Upper depth (ft): Sample Description			pth (ft): 9.9 s is tan. Rest	USCS: of core is graying	SOLW sh white,	wet, soft	<i>PID:</i> , silt like (Jerome: race fine san		odor.					
Upper depth (ft): Sample Description			<i>pth (ft):</i> 13. ayish white, si	2 <i>USCS:</i> It like grains, tr	SOLW ace fine s	sand, mo		0.4 or.	Jerome:							
Upper depth (ft): Sample Description		Lower de et, soft, g		5 USCS:	SOLW mothball	odor.	PID:	0.4	Jerome:							

Relinquished:			Date/	Time:		Relinqu	iished: _			Date	/Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			Date/	Time:		Receive	ed: _			Date,	/Time:	w	eather:		 	
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jeromo
Upper depth (ft):	16.5	Lower dep	oth (ft): 19	.7 USCS:	CL		PID:	0.4	Jerome:	•						
Sample Description				grayish white a o medium stiff,								ilt like grains,	Solvay chu	nks. Res	t of cor	e is
OL-VC-10035	8/9/2006	12:57	1118249.1	923155.9	15.7	362.7	347	SOIL	SEDIMENT	✓	1	20	20		0	
Comments:								1								
Upper depth (ft):	0	Lower dep	oth (ft): 3.3	B USCS:	SOLW		PID:	1	Jerome:							
Sample Description				, white, silt like y, silt like grain						like grains, tı	race fine sa	and, 1-inch thi	ck or larger	Solvay o	hunks.	Rest
Upper depth (ft):	3.3	Lower de	oth (ft): 6.6	S USCS:	SOLW		PID:	0.6	Jerome:							
Sample Description		•	•	silt like grains, t		anics, mo			•							
Upper depth (ft): Sample Description		<i>Lower dep</i> et, soft, gr	• /	USCS: o green, silt like	SOLW grains.		PID:	8.0	Jerome:							
Upper depth (ft): Sample Description		<i>Lower dep</i> et, soft, gr	• /	USCS: o green, silt like	SOLW grains.		PID:	0.8	Jerome:							



Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft): Sample Description		Lower de _l	oth (ft): 13.2 ayish white to		SOLW		PID:	0.6	Jerome:							
Upper depth (ft): Sample Description Upper depth (ft): Sample Description	16.5 An: 0 to	Lower dep	ayish white to	green, silt like 3	SOLW		PID:	othball oo	Jerome:		·				race sh	ells,
OL-VC-10036	8/9/2006	15:00	1118201.6	923262.9	15.2	362.6	347.4	SOIL	SEDIMENT	V	1	20	20		0	
Comments:																
Upper depth (ft):	0	Lower de _l	oth (ft): 3.3	USCS:	SOLW		PID:	0	Jerome:							
Sample Description			oft to soft, gray n, mothball odd		ish white,	silt like g	grains, tra	ce fine s	sand, black d	discoloration	at 6 and 37	' inches, trace	e Solvay ch	unks with	nin blac	<
Upper depth (ft):	3.3	Lower de _l	oth (ft): 6.6	USCS:	SOLW		PID:	0	Jerome:							
Sample Description	n: Wet	t, very so	ft, grayish gre	en, silt like gra	ains, trace	fine san	d, trace o	organics	, black discol	loration at 12	and 20 an	d 38 inches, ı	mothball, o	dor.		



Relinquished:	linquished: Date/Time:						ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft): Sample Description		Lower de	pth (ft): 9.9 oft to soft, gray		SOLW e grains, t	race fine	PID: sand in t		Jerome: of core, black		n at 13 incl	nes, mothball	odor.			
Upper depth (ft): Sample Description		<i>Lower de</i> et, soft, gi	pth (ft): 13.2 rayish white to		SOLW grains, ti	race fine	<i>PID:</i> sand, So		<i>Jerome:</i> nks through		odor, blaci	< discoloration	n at 34 inch	es.		
Upper depth (ft): Sample Description		<i>Lower de</i> t, soft, gi	pth (ft): 13.2 rayish white to		SOLW grains, to	race fine	PID: sand, So		<i>Jerome:</i> nks through		odor, blac	< discoloration	n at 34 inch	es.		
Upper depth (ft): Sample Description		<i>Lower de</i> t, soft, gi	pth (ft): 16.8 rayish white to		SOLW grains, ti	race fine	<i>PID:</i> sand in u		<i>Jerome:</i> rtion of core,		all odor.					
Upper depth (ft): Sample Descriptio	<i>n:</i> 0 to		pth (ft): 19.8 es is wet, soft, (MARL).		SOLW grains, to	race fine	PID: sand, mo		<i>Jerome:</i> dor. Rest of (medium st	iff, gray, CLA	Y, some sil	t, slight s	ulfur od	lor,
OL-VC-10036A	8/9/2006	15:38	1118202.5	923260.4	15.2	362.6	347.4	SOIL	SEDIMENT	✓	1	20	19.9		0	
Comments:																



Relinquished:			Dat	e/Time:		Relinqu	ıished: _			Date	Time:	Sa	mpler: 1	_ Comp	any: <u>1</u>	
Received:			Dat	e/Time:		Receive	ed: _			Date,	/Time:	w	eather:			
Location ID	Date	Time	Northing	g Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jeroi
Upper depth (ft):	0	Lower de	pth (ft):	3.3 <i>US</i>	CS: SOLW		PID:	0	Jerome:		-					
Sample Description:	: W	et, soft, gr	rayish white	e, silt like grain	s, trace fine	sand, bla	ack discol	oration a	at 31 inches,	mothball od	or.					
Unn on donth (ft).	2.2	I awan da	and (Gt).	6.6 <i>US</i>	CS: SOLW		PID:	0	Jerome:							
Upper depth (ft): Sample Description:		Lower de et. soft. ai		y, silt like grair		e sand, bl		_	• • • • • • • • • • • • • • • • • • • •		Solvay chi	ınks within di	scoloration	mothba	l odor.	
Sample Description.	• • •	ot, cort, gi	roomon gra	y, one into gran	10, 11400 11110	ouriu, bi	aon alooo	ioration	at 10, 01, an	ia or monoo,	corray or a	armo witimi an	300101411011	, momoa	. 0001.	
Upper depth (ft):	6.6	Lower de	pth (ft):	9.9 <i>US</i>	CS: SOLW		PID:	0	Jerome:							
Sample Description:		et, soft, gr othball odd	, ,	n, silt like grair	ns, some fin	e sand, b	lack disco	oloration	at 12 and 26	6 inches, Sol	vay chunks	within discol	oration, tra	ce organ	cs, slig	ht
Upper depth (ft):	9.9	Lower de	pth (ft):	13.2 <i>US</i> 0	CS: SOLW		PID:	0	Jerome:							
Sample Description:	: W	et, soft, gr	rayish white	e to green, silt	like grains, t	trace fine	sand, 0.5	inch th	ick or smalle	r Solvay chu	nks througl	nout, mothbal	l odor.			
Upper depth (ft):	13.2	Lower de	pth (ft):	16.5 <i>US</i>	CS: SOLW		PID:	0	Jerome:							
Sample Description	. w	et soft a	reen to grav	ish white silt	like grains i	trace clay	trace fin	e sand i	in upper port	ion of core in	nothball od	or				

Relinquished:			Date/1	Гіте:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/1	Гіте:		Receive	ed: _			Date/	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	16.5	Lower de	pth (ft): 19.	8 USCS:	SOLW		PID:	0	Jerome:			•				•
Sample Description				soft to soft, gr ganics, trace sh					, trace fine s	and, trace cla	ay, mothba	ll odor. Rest o	of core is m	oist, med	lium sti	ff, gray
OL-VC-10037	8/9/2006	13:48	1118398.6	923321.2	18.3	362.6	344.3	SOIL	SEDIMENT	V	1	20	20		0	
Comments:				•						•		•				
Upper depth (ft): Sample Description		Lower dep et, very so		USCS: o black, SILT,		sand, pe	<i>PID:</i> etroleum l		Jerome: r, trace organ							
Upper depth (ft):	3.3	Lower de	pth (ft): 6.6	USCS:	ML		PID:	1.3	Jerome:							
Sample Description	<i>n:</i> 0 to	28 inche	es is wet, soft,	dark gray to godor, (SOLW).	ray, SILT	, some b	lack disc	oloration	, slight petro	oleum like ode	or. Rest of	core is soft gr	ayish greeı	n, wet, sil	t like gr	rains,
Upper depth (ft):	6.6	Lower de _l	<i>pth (ft):</i> 9.9	USCS:	SOLW		PID:	2.6	Jerome:							
Sample Description		et, soft, gr e to re-ca		green, silt like	grains, tr	race fine	sand, tra	ce orgar	nics, pink dis	coloration in	bottom of o	core, mothball	, odor. PIE	reading	is susp	ect
Upper depth (ft):	9.9	Lower de _l	<i>pth (ft):</i> 13.	2 USCS:	SOLW		PID:	0	Jerome:							
Sample Description	n: We	t, verv sc	oft, gravish gre	en, silt like gra	ains, trace	fine san	id, black o	discolora	ation at 19 ar	nd 34 inches.	mothball o	odor.				



Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft): Sample Description		Lower de	pth (ft): 16.5 een to dark gr		SOLW		PID:	-	Jerome:		•	•	•			
Upper depth (ft): Sample Description	<i>i:</i> 0 to		pth (ft): 19.8 es is wet, very asticity, sulfur	soft, dark gree	en, silt like		PID: trace cla	-	<i>Jerome:</i> pall odor, (SC		f core is m	pist, medium	stiff, gray, (CLAY, so	me silt,	
OL-VC-10038	8/8/2006	17:30	1117947.64	923415.06	1.9	363.77	361.87	SOIL	SEDIMENT	V	1	20	18.9		0	
Comments:			I													
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	SOLW		PID:	8.0	Jerome:							
Sample Description	v: We		ayish white, si	It like grains, s	some fine	sand, tra	ace shell	layer 6 i	nches from to	op of core, 1-	inch thick	or larger Solva	ay chunks t	throughou	ut, moth	nball
Upper depth (ft):	3.3	Lower de _l	pth (ft): 6.6	USCS:	SOLW		PID:	1.1	Jerome:							
Sample Description			ayish white, si hells, petroleu	•				k or large	er Solvay chu	ınks through	out, trace o	organics, botto	om 3 inches	s is black,	fine, ro	ounded
Upper depth (ft):	6.6	Lower de _l	pth (ft): 9.9	USCS:	SOLW		PID:	1.1	Jerome:							
Sample Description		t, soft, gr hball odd	ayish white, si or.	It like grains, t	race fine	sand, 9 t	to 12 inch	nes is ha	rd, black, SC	DLW layer, 2	8 to 30 incl	hes is dark re	d and gray	Solvay m	aterial,	



Vibracore Field Log

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	9.9	Lower de _l	pth (ft): 13.2	USCS:	SOLW		PID:	2.8	Jerome:					•		
Sample Description Upper depth (ft): Sample Descriptio Upper depth (ft): Sample Descriptio	13.2 /n: We of c	Lower dept, soft, grore, moti	rayish white, sil hball odor.	USCS: t like grains, to USCS:	SOLW race fine	sand, 6 ir	PID:	1.2 m top of	Jerome: core is a sm Jerome:	·		9	·			
OL-VC-10039	8/9/2006	07:50	1118088.4	923575.4	12	363	351	SOIL	SEDIMENT		1	20	18		0	
	0/3/2000	07.50	1110000.4	<i>3</i> 23373.4	12	505	551	JOIL	CLDIMENT	✓	1	20	16		U	
Comments:																
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	SOLW		PID:	7.2	Jerome:							
Sample Description			rayish white, sil olated NAPL s							ll pin sized N	APL globul	les, 28 inches	from top o	f core are	e 0.5 ind	ch long
Upper depth (ft):		Lower dep		USCS:		and tre-		11.3	Jerome:	n nvacant != -	عدد المدر معمد	ilah tan haz-	aa theensele	t me+l-	المط	
Sample Description	n: we	ι, soπ, gr	ayish white silt	like grains, tra	ace line s	ano, trac	e organic	s, news	paper pieces	s present in c	core, yellow	ıısıı tan dandı	ng trirougho	out, moth	Dali odo	. זע

QEA

Quantitative Environmental Analysis, Luc

elinquished: Date/Time:						Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received: Date/Time:						Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	6.6	Lower de _l	oth (ft): 9.9	USCS:	SOLW		PID:	7.7	Jerome:			•	•			
Sample Description	inch		es is wet, soft, k gray, SOLW RL).													
Upper depth (ft): Sample Description	<i>n:</i> 0 to		oth (ft): 13.2 I moist, soft, oft, SILT, trace	gray, SILT, so			e shells,				inches is I	light gray, wet	, soft, silt, 1	13 to 25 i	nches is	s dark
Upper depth (ft): Sample Description		<i>Lower dep</i> t, soft, gr	oth (ft): 16.5 ayish white to		SOLW ilt like gra	uins, trac		5.1 nd trace	Jerome: organics, mo	ore clay like t	oward botto	om of core. N	Nothball odd	or.		
Upper depth (ft): Sample Description		<i>Lower dep</i> t, soft, gr	oth (ft): 18 ayish white silt		SOLW ace fine s	and, bla	<i>PID:</i> ck coal lik		Jerome: ents at botto	m 1 inches c	of core, mo	thball odor.				
Upper depth (ft): Sample Description		<i>Lower dep</i> t, soft, gr	oth (ft): 18 ayish white silt		SOLW ace fine s	and, blad		1.1 ke fragm	Jerome: ents at botto	m 1 inches c	of core, mo	thball odor.				
OL-VC-10040	8/9/2006	16:44	1118351.9	923587.3	12.9	362.6	349.7	SOIL	SEDIMENT	✓	1	20	20		0	
Comments:					1	1	1	1						ı		



Relinquished:			Date	/Time:		Relinqu	ished: _			Date/	Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			Date	/Time:		Receive	ed: _			Date/	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	0	Lower dep	oth (ft): 3.	3 USCS:	ML	•	PID:	5.4	Jerome:		•	•	•			
Sample Description				oft, gray to dark ond, small pin size									gray to gra	y green,	soft, we	et, silt
Upper depth (ft):	3.3	Lower dep	oth (ft): 6.	6 USCS:	SOLW		PID:	0	Jerome:							
ample Description: Wet, soft, b			ue green to	gray green, silt I othball odor.		, trace fi			_	om 4 inches	of core, sm	nall pin sized i	isolated NA	NPL globu	iles at 1	11
Upper depth (ft):	6.6	Lower dep	oth (ft): 9.	9 USCS:	SOLW		PID:	0	Jerome:							
Sample Description	n: W	/et, soft, da	ark green to	light gray green,	, silt like g	rains, tra	ce fine sa	and, Sol	vay chunks t	hroughout, b	lack discolo	oration at 8 ar	nd 37 inche	s, mothb	all odor	.
Upper depth (ft):	9.9	Lower dep	oth (ft): 13	3.2 <i>USCS:</i>	SOLW		PID:	13.4	Jerome:							
Sample Description	n: W	et, soft gra	ayish white to	o gray, silt like g	rains, trac	ce fine sa	and, black	discolo	ration at 10 a	and 30 inche	s, mothball	odor.				
Upper depth (ft):	13.2	Lower dep	oth (ft): 10	6.5 <i>USCS:</i>	SOLW		PID:	10.2	Jerome:							
Sample Description			0,	to gray to black						on at 4 inche	s 19 inches	and 27 inche	es, black fro	om 35 inc	hes to	bottom

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	16.5	Lower de _l	oth (ft): 19.8	B USCS:	SOLW		PID:	0	Jerome:							
Sample Description				black, silt like ce organics, sl						out, petroleun	ı like odor.	Rest of core	is wet, soft	, grayish	white, s	silt like
OL-VC-10041	8/9/2006	10:01	1117900.7	923642.1	1.5	362.8	361.3	SOIL	SEDIMENT	✓	2	20	19.7		0	
Comments: First	attempt was	over-recove	ry.													
Upper depth (ft):	0 .	Lower de	oth (ft): 3.3	USCS:	SOLW		PID:	15.8	Jerome:							
Sample Description				hard,).5 inch , red discolora						fine sand, m	othball odd	or. Rest of cor	e is wet, so	oft, grayis	h white	silt
Upper depth (ft):	0	Lower de	oth (ft): 3.3	USCS:	SOLW		PID:	15.8	Jerome:							
Sample Description	<i>n:</i> 0 to	16 inche	es is wet, gray	, hard,).5 inch , red discolora	to 1.0 inc		or larger S	Solvay ch	nunks, some		othball odd	or. Rest of cor	re is wet, so	oft, grayis	h white	silt
Upper depth (ft): Sample Description		<i>Lower de_l</i> t, soft, gr	• /	USCS: It like grains, 1	SOLW /16 inch t	thick fine	PID: sand len		Jerome: ughout, light		s in bottom	half of core,	mothball oc	lor.		
Upper depth (ft): Sample Description		<i>Lower de</i> t, soft, gr	• /	<i>USCS:</i> It like grains, to	SOLW	sand, thii	<i>PID:</i> n, black fi		<i>Jerome:</i> led sand lens		ut, mothba	ll odor.				



Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	d: _			Date/	/Time:	w	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):		Lower de _l			SOLW		PID:	0.8	Jerome:		•					
Sample Description	wet	t, soft, gr	ayish white, si	t like grains, b	orown disc	coloration	at 30 ind	ches fro	m top of core	e, mothball o	dor.					
· · · · · · · · · · · · · · · · · · ·	100		J (0) 105	******	201111											
Upper depth (ft):		Lower de _l			SOLW	a fina aan	PID:		Jerome:	haut mathh	ما مطمع					
Sample Description	i. IVIOI	Si, Soii, g	grayish white, s	siit like grains,	with trace	e iirie sar	id, brown	discolo	ration throug	mout, motriba	all odor.					
Upper depth (ft):	16.5	Lower de	pth (ft): 19.7	uscs.	SOLW		PID:	0.9	Jerome:							
Sample Description		•	ayish white, si			sand, tra			•	on throughou	ut, mothbal	l odor.				
			•			•	J			· ·						
OL-VC-10041A	8/9/2006	11:38	1117900	923643.9	1.4	362.7	361.3	SOIL	SEDIMENT	✓	2	20	20		0	
Comments:			•					•		•	•		-			
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	SOLW		PID:	13.6	Jerome:							
Sample Description			es is wet, soft,			rains, so			•	stingers 0.5 i	nch lona oi	r smaller at 6	inches from	top of c	ore. Re	st of
sumpre Bescriptio			medium stiff to													
Upper depth (ft):	3.3	Lower de	pth (ft): 6.6	USCS:	SOLW		PID:	2.8	Jerome:							
Sample Description		•	es is wet, soft,			ns, little b		_	•	ded gravel th	roughout. F	Rest of core is	s white, to g	ırayish wl	nite, we	t,
- *	med	dium stiff	to soft, silt like	grains, trace	organics,	, mothbal	ll odor.			-	-		_	-		

Vibracore Field Log

Location ID Date Time Northing Easting Water Depth (ft) Water (ft)	Relinquished: _			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	any: <u>1</u>	
Location ID Date Time Northing Easting (ft) (ft) (ft) (ft) (ft) (ft) (ft) (ft)	Received:	ved: Date/Time:						d: _			Date/	Time:	We	eather:			
Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 1 Jerome: Sample Description: Wet, soft to medium stiff, grayish white, silt like grains, trace fine sand, trace clay, mothball odor, 2 inch thick fine to medium grained sand seem with trace shells at 16 inches from top of the core, mothball odor. Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 1 Jerome: Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor, more clay like toward the bottom. Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 0.7 Jerome: Sample Description: Moist, soft, grayish white, silt like grains, trace fine sand, trace clay, mothball odor, brown discoloration at 1 inch, 14 inches, 34 inches, and 41 inches. OL-VC-10042 8/10/2006 07:48 1118505 923697.1 23.9 362.6 338.7 SOIL SEDIMENT 1 20 19.8 6.2 Comments:	Location ID	Date	Time	Northing	Easting	Depth	Elev.	Line	Matrix	•		# Attempts	Depth	Depth	Refusal	PID	Jerome
Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 1.1 Jerome: Wet, soft to medium stiff, grayish white, silt like grains, trace fine sand, trace clay, mothball odor, 2 inch thick fine to medium grained sand seem with trace shells at 16 inches from top of the core, mothball odor. Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 1 Jerome: Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor, more clay like toward the bottom. Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 0.7 Jerome: Sample Description: Moist, soft, grayish white, silt like grains, trace fine sand, trace clay, mothball odor, brown discoloration at 1 inch, 14 inches, 34 inches, and 41 inches. OL-VC-10042 8/10/2006 07:48 1118505 923697.1 23.9 362.6 338.7 SOIL SEDIMENT 1 20 19.8 6.2 Comments:	Upper depth (ft):	6.6	Lower de	pth (ft): 9.9	USCS:	SOLW		PID:	1.3	Jerome:							
Wet, soft to medium stiff, grayish white, silt like grains, trace fine sand, trace clay, mothball odor, 2 inch thick fine to medium grained sand seem with trace shells at 16 inches from top of the core, mothball odor. **Upper depth (ft): 13.2 **Lower depth (ft): 16.5 **USCS: SOLW **PID: 1 **Jerome: Sample Description:** Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor, more clay like toward the bottom. **Upper depth (ft): 16.5 **Lower depth (ft): 19.8 **USCS: SOLW **PID: 0.7 **Jerome: Sample Description:** Moist, soft, grayish white, silt like grains, trace fine sand, trace clay, mothball odor, brown discoloration at 1 inch, 14 inches, 34 inches, and 41 inches. **OL-VC-10042 **8/10/2006 **07:48 **1118505 **923697.1 **23.9 **362.6 **338.7 **SOIL **SEDIMENT **VE** 1 **20 **19.8 **D. 6.2 **Comments:** **OL-VC-10042 **8/10/2006 **07:48 **1118505 **923697.1 **23.9 **362.6 **338.7 **SOIL **SEDIMENT **VE** 1 **20 **19.8 **D. 6.2 **Comments:** **OL-VC-10042 **8/10/2006 **07:48 **1118505 **923697.1 **23.9 **362.6 **338.7 **SOIL **SEDIMENT **VE** 1 **20 **19.8 **D. 6.2 **Comments:** **OL-VC-10042 **8/10/2006 **07:48 **1118505 **923697.1 **23.9 **362.6 **338.7 **SOIL **SEDIMENT **VE** 1 **20 **19.8 **D. 6.2 **Comments:** **OL-VC-10042 **8/10/2006 **07:48 **1118505 **923697.1 **23.9 **362.6 **338.7 **SOIL **SEDIMENT **VE** 1 **20 **19.8 **D. 6.2 **Comments:** **OL-VC-10042 **8/10/2006 **07:48 **1118505 **923697.1 **23.9 **362.6 **338.7 **SOIL **SEDIMENT **VE** 1 **20 **19.8 **D. 6.2 **Comments:** **OL-VC-10042 **10/2006 **07:48 **1118505 **923697.1 **23.9 **362.6 **338.7 **SOIL **SEDIMENT **VE** 1 **20 **19.8 **D. 6.2 **Comments:** **OL-VC-10042 **10/2006 **07:48 **1118505 **10.2 **10.	Sample Descriptio	<i>n</i> : 0 to	13 inche	es is wet, soft t	o very hard, g	rayish wh	ite, silt lik	ke grains	, little cla	ay, trace fine	sand. Rest of	of core is w	et, soft, silt lik	e grains, m	othball c	dor.	
Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor, more clay like toward the bottom. **Upper depth (ft): 16.5 **Lower depth (ft): 19.8 **USCS: SOLW **PID: 0.7 **Jerome: Sample Description: Moist, soft, grayish white, silt like grains, trace fine sand, trace clay, mothball odor, brown discoloration at 1 inch, 14 inches, 34 inches, and 41 inches. **OL-VC-10042 **8/10/2006 **07:48 **1118505 **923697.1 **23.9 **362.6 **338.7 **SOIL **SEDIMENT** **OL VC-10042 **8/10/2006 **07:48 **1118505 **923697.1 **23.9 **362.6 **338.7 **SOIL **SEDIMENT** **OL VC-10042 **8/10/2006 **07:48 **1118505 **923697.1 **23.9 **362.6 **338.7 **SOIL **SEDIMENT** **OL VC-10042 **8/10/2006 **07:48 **1118505 **923697.1 **23.9 **362.6 **338.7 **SOIL **SEDIMENT** **OL VC-10042 **8/10/2006 **07:48 **1118505 **923697.1 **23.9 **362.6 **338.7 **SOIL **SEDIMENT** **OL VC-10042 **8/10/2006 **07:48 **1118505 **923697.1 **23.9 **362.6 **338.7 **SOIL **SEDIMENT** **OL VC-10042 **8/10/2006 **07:48 **1118505 **923697.1 **23.9 **362.6 **338.7 **SOIL **SEDIMENT** **OL VC-10042 **8/10/2006 **07:48 **1118505 **923697.1 **23.9 **362.6 **338.7 **SOIL **SEDIMENT** **OL VC-10042 **07.0000 **07:48 **1118505 **923697.1 **23.9 **362.6 **338.7 **SOIL **SEDIMENT** **OL VC-10042 **07.0000 **07.48 **1118505 **923697.1 **23.9 **362.6 **338.7 **SOIL **SEDIMENT** **OL VC-10042 **07.0000 **		n: We	t, soft to	medium stiff, ຢູ	grayish white,	silt like gr				_	all odor, 2 in	ch thick fin	e to medium	grained sar	nd seem	with tra	ce
Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 0.7 Jerome: Sample Description: Moist, soft, grayish white, silt like grains, trace fine sand, trace clay, mothball odor, brown discoloration at 1 inch, 14 inches, 34 inches, and 41 inches. OL-VC-10042 8/10/2006 07:48 1118505 923697.1 23.9 362.6 338.7 SOIL SEDIMENT 1 20 19.8 6.2 Comments:	Upper depth (ft):	13.2	Lower de	<i>pth (ft):</i> 16.5	USCS:	SOLW		PID:	1	Jerome:							
Sample Description: Moist, soft, grayish white, silt like grains, trace fine sand, trace clay, mothball odor, brown discoloration at 1 inch, 14 inches, 34 inches, and 41 inches. OL-VC-10042 8/10/2006 07:48 1118505 923697.1 23.9 362.6 338.7 SOIL SEDIMENT 1 20 19.8 6.2 Comments:	Sample Descriptio	n: We	t, soft, gr	rayish white, si	It like grains, t	race fine	sand, mo	thball od	or, more	clay like tow	ard the botto	om.					
Comments:							e sand, tr			_	n discoloratio	on at 1 inch	ı, 14 inches, 3	4 inches, a	nd 41 ind	ches.	
Comments:	OL-VC-10042	8/10/2006	07:48	1118505	923697.1	23.9	362.6	338.7	SOIL	SEDIMENT	~	1	20	19.8		6.2	
	Comments:										•						
Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0.8 Jerome:																	
Sample Description: Wet very soft dark gray to gray silt like grains trace fine sand black discoloration throughout 0.5 inch long or smaller isolated NAPI stringers at 34 inches	Upper depth (ft):									• • • • • • • • • • • • • • • • • • • •							

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from top of core, petroleum like odor and slight mothball odor.

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:	_	Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	3.3	Lower de	pth (ft): 6.6	USCS:	SOLW		PID:	5.2	Jerome:							
Sample Descriptio			oft, dark gray to ke odor and m		blueish v	white, sil	t like grai	ns, trace	fine sand, tr	race organics	s, 0.5 inch t	hick or smalle	er Solvay ch	nunks thr	oughou	t,
Upper depth (ft): Sample Descriptio	6.6 <i>n:</i> W	Lower de let, soft, gr	pth (ft): 9.9 rayish white to		SOLW It like grai	ins, trace	PID:		Jerome: discoloration	ı at 23 inches	s, mothball	odor.				
Upper depth (ft):	9.9	Lower de	<i>pth (ft):</i> 13.2	2 USCS:	SOLW		PID:	16.2	Jerome:							
Sample Descriptio			ue green to gra 12 and 37 inch			, trace fi	ne sand i	n upper	portion of co	re, black disc	coloration a	t 34 inches, s	mall pin siz	ed isolat	ed NAP	L
Upper depth (ft):	13.2	Lower de	<i>pth (ft):</i> 16.5	5 USCS:	SOLW		PID:	6.1	Jerome:							
Sample Descriptio		let, soft, bl dor.	ue green to gr	ayish white, sil	t like grai	ns, trace	e fine sand	d, black	discoloration	at 14 inches	s, with a 1/4	inch thick N	APL seem a	at 25 inch	nes, mo	thball
Upper depth (ft): Sample Descriptio		Lower de, let, soft, gr dor.	pth (ft): 19.8 rayish green to		SOLW grains, tra	ace fine s		3.2 ck discol	<i>Jerome:</i> oration throu	ghout, small	pin sized is	solated NAPL	globule at	33 inche	s, moth	ball
OL-VC-10042A	8/10/200	6 08:31	1118507.2	923698.1	24	362.2	338.2	SOIL	SEDIMENT	V	1	20	19.8		3.8	
Comments:					1	1	1									



Relinquished:			D	ate/Tim	e:		Relinqu	ished: _			Date	/Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			D	ate/Tim	e:		Receive	ed: _			Date,	/Time:	w	eather:			
Location ID	Date	Time	Northi	ing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jeror
Upper depth (ft):	0	Lower de	pth (ft):	3.3	USCS:	ML		PID:	0.3	Jerome:							
Sample Description		to 34 inchesand, petrole				LT, little f	fine sand	, petroleu	m like o	dor, trace orç	ganics, trace	slag. Rest	of core is gra	y green, sil	t like grai	ns, trac	e fine
Upper depth (ft):	3.3	Lower de	pth (ft):	6.6	USCS:	SOLW		PID:	4.3	Jerome:							
Sample Description		Vet, very so organics, pe					d, black o	discolorat	ion throu	ughout, smal	l pin sized is	olated NAP	L globule at 2	26 inches a	nd 17 inc	hes, tra	ace
Upper depth (ft): Sample Description		Lower dep Wet, very so odor.		9.9 gray to g		SOLW silt like gra	ains, trac	<i>PID:</i> ee fine sar		Jerome: I pin sized is	olated NAPL	. globules a	t 6 inches, 20	inches, ar	id 36 inch	nes mot	thball
Upper depth (ft): Sample Descriptio	9.9 n: \	Lower dep Wet, very so		13.2 green silt		SOLW trace fin	e sand, b	<i>PID:</i> black disc	_	Jerome:	s, small pin s	sized isolate	ed NAPL glob	oules at 37	inches, m	nothball	odor.
Upper depth (ft):	13.2	Lower de		16.5		SOLW		PID:		Jerome:							
Sample Description		Vet, soft, gr solated pin-	, .			_					at 13 inches	s and 28 inc	ches, 1/4 inch	thick NAP	L seam a	ıt 28 inc	ches,

Relinquished:			Date	e/Time:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Company	/: <u>1</u>	-
Received:			Date	e/Time:		Receive	ed: _			Date/	Time:	We	eather:			-
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID Jei	rom
Upper depth (ft): Sample Description	n: We		rayish white	9.8 USCS: to gray green, si inches, 29, and					Jerome: discoloration	at 5 inches	and 38 incl	nes, very sma	ıll pin sized	isolated NA	APL	
Upper depth (ft): Sample Description	n: We		rayish white	9.8 USCS: to gray green, si inches, 29, and			fine san	2.1 d, black	Jerome: discoloration	at 5 inches	and 38 incl	hes, very sma	ıll pin sized	isolated NA	APL	
OL-VC-10043	8/10/2006	09:57	1118496.6	923946.7	24	362.6	338.6	SOIL	SEDIMENT	✓	1	20	19.6		2.2	
Comments: Sligh	nt hydrocarbor	ı like odor (@ top section 6													
Upper depth (ft):	0	Lower de	<i>pth (ft):</i> 3	.3 USCS:	SOLW		PID:	8.6	Jerome:							
Sample Description			ray green, si nothball odo	lt like grains, bla r.	ck sand li	ke grains	s in top fo	oot of co	re, black disc	coloration thro	oughout, 0.	5 inch long or	r smaller iso	olated NAP	L stringe	r at
Upper depth (ft):	3.3	Lower de	<i>pth (ft):</i> 6	.6 <i>USCS</i> :	SOLW		PID:	1.3	Jerome:							
Sample Description			,	ft, light green, si eum like odor. R		,		,		,				,		
Upper depth (ft):	6.6	Lower de	<i>pth (ft):</i> 9	.9 <i>USCS:</i>	SOLW		PID:	6	Jerome:							
Sample Description	<i>n:</i> 0 to	31 inche	es is gray to	dark gray, silt lik nd, mothball odd	ke grains,		e sand, s	mall iso	• • • • • • • • • • • • • • • • • • • •		oules at 13	inches and 22	2 inches. R	est of core	s green,	silt

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	any: <u>1</u>	
Received:			Date/1	ime:		Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	9.9	Lower de	pth (ft): 13.	2 USCS:	SOLW		PID:	1.1	Jerome:			•				
Sample Description	n: We	t, very so	oft to soft, gray	green, silt like	grains,	trace san	d, black	discolor	ation at 21 in	ches, mothb	all odor.					
Upper depth (ft): Sample Descriptio		<i>Lower de</i> , t, very so		2 USCS:	SOLW grains,	trace san	<i>PID:</i> ad, black		<i>Jerome:</i> ation at 21 in	ches, mothb	all odor.					
Umm on donth (ft).	12.2	I awan da	<i>pth (ft):</i> 16.5	= UCCC.	SOLW		PID:	4.3	I awam as							
Upper depth (ft): Sample Descriptio	<i>n:</i> 0 to		es is wet, very	soft, gray gree on at 17 inches	en, silt like		trace sar	d, isolat				es, 0.5 inch lo	ong NAPL s	stringer a	t 8 inche	es and
Upper depth (ft):	16.5	Lower de	pth (ft): 19.0	6 USCS:	SOLW		PID:	16.8	Jerome:							
Sample Descriptio	n: 0 to grai	14 inche ins, little	es green to gra	ay, silt like grai inch thick or sı	ns, trace		l, small p	in-sized	isolated NA							
OL-VC-10044	8/10/2006	11:30	1118365.5	923964.8	12.8	362.6	349.8	SOIL	SEDIMENT	V	2	20	19		0.5	
Comments: Yell	ow/orange spo	ot in section	s 2, 3, and 5; 1st at	tempt 16 foot recov	ery.											
Upper depth (ft):	0 .	Lower de	pth (ft): 3.3	USCS:	SOLW		PID:	1.3	Jerome:							
Sample Descriptio	n: We	t, soft, gi	rayish white to	gray, silt like g	grains, tra	ce fine sa	and, sma	II pin siz	ed isolated N	NAPL globule	es at 17, 20	, 29, 32, and	36 inches,	mothball	odor.	

Relinquished: _			Date/T	ime:		Relinqu	ished: _			Date	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date,	/Time:	w	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jeromo
Upper depth (ft): Sample Description		Lower de et, soft, g	pth (ft): 6.6 ray green, silt l		SOLW ce fine sa	nd, smal	<i>PID:</i> I isolated		Jerome: NAPL globu		, 11 inches	, 21 inches, a	nd 25 inche	es, mothb	all odoi	r.
Upper depth (ft): Sample Description	on: We		rpth (ft): 9.9 ray green, silt l nches, 18 inch	ike grains, trad			clay, bla		<i>Jerome:</i> loration at 11	I inches and	17 inches,	small pin size	ed isolated	NAPL glo	obules a	at 7
Upper depth (ft): Sample Description	on: 0 to gre	en, silt lil	es is wet, soft, ke grains, trace vay chunks through	blue green an e fine sand, sm	nall isolate	ed 0.5 in	t like grai ch long N	IAPL stri	ngers. Rest	of core is dar						
Upper depth (ft): Sample Description		Lower de	pth (ft): 16.9 rayish white to		SOLW It like gra	ins, little	<i>PID:</i> fine sand	_	Jerome:	tion at 7 inch	es, light br	own discolora	tion at 16 ir	nches, m	othball (odor.
Upper depth (ft): Sample Descriptio	on: We		pth (ft): 19 ray green, silt l es, small pin s	ike grains, trad			discolor		<i>Jerome:</i> 8 inches and	24 inches, 0).5 inch lon	g or smaller is	solated NAF	PL strings	s at 10 i	nches
OL-VC-10046	OL-VC-10046 8/10/2006 14:50 1118047.3 924008.6						359.6	SOIL	SEDIMENT	V	2	20	19.2		3.3	
Comments: Firs	st attempt took	40 minutes	to advance, second	d attempt took 20 m	ninutes to ad	vance, first	attempt was	16.2 feet o	of recovery.							



Relinquished: _				D	ate/Ti	ime: _			Reli	inquis	hed: _			Date	/Time:	Sa	mpler: 1	_ Compa	any: <u>1</u>	
Received:				D	ate/Ti	ime: _			Rec	eived:	: _			Date	/Time:	w	eather:			
Location ID	Da	te Ti	me	Northi	ng	Eas	ting	Water Depth (ft)	ı Ele		Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jeroi
Upper depth (ft):	0	Lowe	er dep	th (ft):	3.3		USCS:	SOLW			PID:	6.2	Jerome	:						
Sample Descript	ion:	Wet, so odor.	ft, gra	yish wh	ite, sil	t like g	rains ar	nd fine	sand, f	fine bla	ack san	d grains	throughout	, many 1-inch	n thcik or la	rger hard Solv	ay chunks	through	cut, mo	ıthball
Upper depth (ft):	3.3	Lowe	er den	th (ft):	6.6		USCS:	SOLW			PID:	29.9	Jerome	:						
Sample Descript			ft, gra	yish wh	ite, sil	t like g	rains, s	ome fin	ne sanc		k disco	loration	• • • • • •		nall isolated	d 0.5 inch lono	g or smalle	r NAPL s	tringers	at 15
Upper depth (ft):	6.6	Lowe	er dep	th (ft):	9.9		USCS:	SOLW			PID:	6.7	Jerome	<i>:</i>						
Sample Descript	ion:	Wet, so inches,				ayish w	hite, sil	t like gr	ains, li	ittle to	trace fi	ne sanc	I, 1-inch thic	k or larger So	olvay chunk	ks in top foot o	of core, blac	ck discolo	oration a	at 34
Upper depth (ft):	9.9	Lowe	er dep	th (ft):	13.2	2	USCS:	SOLW			PID:	2.8	Jerome	<i>:</i>						
Sample Descript	ion:				,	0 0	,	U	,			•	U	Solvay chunk or, brown dis		core, black di at 39 inches.	scoloration	at 23 inc	hes. Re	est of
Upper depth (ft):	13.2	Lowe	er dep	th (ft):	16.5	5	USCS:	SOLW			PID:	15.8	Jerome	<i>:</i>						
Sample Descript	on:	Wet, so	ft gra	yish whi	te silt l	like gra	ains, so	me clay	y, trace	e fine s	sand in	top foot	of core, bro	wn discolora	tion at 12 ir	nches, mothba	all odor.			

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft): Sample Description		Lower de et, mediur Il odor.		2 USCS: white, silt like	SOLW grains, so	ome clay	<i>PID:</i> r, trace fin	31.8 e sand,	Jerome: black discolo		inches, bot	tom 4 inches	has dark g	ray disco	loratior	n, moth
OL-VC-10046A	8/10/2006	16:40	1118045	924010.7	2.5	362.5	360	SOIL	SEDIMENT	✓	2	20	18.1		0	
Comments: Firs	t and second	attempt took	30 minutes to adv	ance, second attem	npt was made	e due to low	recovery.	•								
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	SOLW		PID:	3.8	Jerome:							
Sample Description				e, gray green, s s, some black				waste,	trace fine sul	b rounded gr	avel, trace	organics. Res	st of core is	wet, har	d, lamir	nated
Upper depth (ft):	3.3	Lower de	pth (ft): 6.6	USCS:	SOLW		PID:	51.2	Jerome:							
Sample Description	n: We			ike grains, trac nches, 28 inche							iks through	out, small len	ses of NAF	PL 1/16 o	f an inc	h thick
Upper depth (ft):	6.6	Lower de	<i>pth (ft):</i> 9.9	USCS:	SOLW		PID:	4.2	Jerome:							
Sample Description	n: We		ray green, silt l	ike grains, trac	ce fine sa	nd in top	foot of co	ore, blac	k discoloration	on at 17 inch	es, trace fir	ne black sand	from 17 to	20 inche	s, Moth	nball
Upper depth (ft):	9.9	Lower de	<i>pth (ft):</i> 13.2	2 USCS:	SOLW		PID:	10.2	Jerome:							
Sample Description		od fragme		een to gray, si n like odor. Re												

Relinquished:			Date/	Time:		Relinqu	ished: _			Date	/Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:	Received: Date/Time:									Date,	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	13.2	Lower de _l	oth (ft): 16	.5 USCS:	SOLW		PID:	11.2	Jerome:							
Sample Description	n: We	t, soft, gr	ayish white to	tan silt like gra	ains, som	e clay, tr	ace fine s	sand, tra	ce organics,	dark tan dise	coloration a	at 37 inches m	othball odd	or.		
Upper depth (ft):	16.5	Lower de _l	<i>pth (ft):</i> 18	.1 <i>USCS:</i>	SOLW		PID:	5.1	Jerome:							
Sample Description	<i>n:</i> We	t, soft, gr	ayish white to	gray, silt like (grains, so	me clay,	black dis	coloratio	on at 5 inche	s and 15 incl	nes, trace o	organics, moth	nball odor.			
OL-VC-10047	8/11/2006	15:15	1118465.2	924146.4	22.8	362.5	339.7	SOIL	SEDIMENT	~	1	20	20		0.3	
Comments: Hydr	rocarbon type	odor in top	section.		<u> </u>							<u> </u>				
.,,																
Upper depth (ft):		Lower de _l	•		SOLW		PID:	-	Jerome:							
Sample Description	<i>n:</i> We	t, soft, gr	ay green, silt	like grains, trad	ce fine sa	nd, medi	um grain	sand ler	ns at 11 inch	es, trace org	anics, sligh	nt sulfur and m	nothball odd	or.		
Upper depth (ft):		Lower de _l	•		SOLW		PID:		Jerome:							
Sample Description				like grains, trac , mothball odor		nd, 0.5 ir	nch thick	or small	er Solvay chi	unks through	out, trace of	clay in bottom	3 inches o	f core, bla	ack	
	uist	Oloration	i at 22 inches	, motribali odol												
U 14- (6)	6.6	7 7	-d (6) 0 0	nege.	SOL W		DID	10.0	T							
Upper depth (ft):		Lower dep			SOLW	araine :	PID:		Jerome:		lack discol	vration hoove	notroloum	lika adar	tracc	
Sample Description				/ soft, gray whit wet, very soft, s							IAUK UISCOIC	nation, neavy	petroieum	iike odor	, пасе	

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	9.9	Lower dep	oth (ft): 13.2	2 USCS:	SOLW		PID:	18.2	Jerome:						-	
Sample Description				black discolor ted pin sized N								wood like org	anics at 22	inches, 2	27 inche	es, and
Upper depth (ft):	13.2	Lower de	oth (ft): 16.5	5 USCS:	SOLW		PID:	22.7	Jerome:							
Sample Description Upper depth (ft): Sample Description	inch 16.5 <i>n:</i> We	nes and a	nt 11 inches, 0	ay, silt like gra .5 inch thick of B USCS: rk gray, silt lik	smaller SOLW	Solvay ch	nunks thro	oughout 7.3	, petroleum I Jerome:	ike odor.		·				
OL-VC-10048	8/11/2006	08:20	1118168.8	924158.4	2.7	362.7	360	SOIL	SEDIMENT	✓	1	20	19.7		1.7	
Comments: Hard	d at top 1 inch											•	•	•		
Upper depth (ft): Sample Description	n: We		• /	gray, silt like g	SOLW grains, so	me fine s	PID: and, 1-in	-	Jerome: or larger Sol	vay chunks t	hroughout,	, mothball odd	or, one sma	ll, pin-sze	ed isola	ted
Upper depth (ft):	3.3	Lower dej	oth (ft): 6.6	USCS:	SOLW		PID:	4.1	Jerome:							
Sample Description			, , ,	silt like grains,					•	•			isolated NA	APL glob	ule at 6	

Relinquished:			Date/Ti	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: <u>1</u>	Compa	ny: <u>1</u>	
Received:			Date/Ti	ime:		Receive	d: _			Date/	Time:	We	eather:			
					1		_				I	l .	I			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	6.6	Lower de _l	oth (ft): 9.9	USCS:	SOLW		PID:	6.2	Jerome:							
Sample Description		t, soft, gr hball odd	ay silt like grai or.	ns, trace fine s	sand, trac	e clay, th	nin Solvay	y chunks	throughout,	black discol	oration at 3	30 inches, bro	wn discolor	ation at	10 inche	es,
Upper depth (ft):	9.9	Lower de	oth (ft): 13.2	uscs:	SOLW		PID:	6	Jerome:							
Sample Description		•	ay to blue gree			fine sand			_	on at 10 inch	es, 17 inch	es, and 29 in	ches, small	, isolated	NAPL	
•	strir	ngers at 6	5 inches, 7 incl	nes, and 19 in	ches, sma	all isolate	ed pin size	e NAPL	globule at 8	inches, moth	nball odor.	·	·			
Upper depth (ft):	9.9	Lower de _l	oth (ft): 13.2	USCS:	SOLW		PID:	6	Jerome:							
Sample Description			ay to blue gree 5 inches, 7 inch									ies, and 29 in	ches, small	, isolated	NAPL	
Upper depth (ft):	13.2	Lower de _l	oth (ft): 16.5	USCS:	SOLW		PID:	6	Jerome:							
Sample Description			le green to gre NAPL globule												ery sma	I pin
Upper depth (ft):	16.5	Lower de _l	oth (ft): 19.7	USCS:	SOLW		PID:	7.5	Jerome:							
Sample Description			ay green to gra inch long or sn													
OL-VC-10048A	8/11/2006	09:00	1118168.3	924160.5	2.7	362.7	360	SOIL	SEDIMENT	✓	1	20	17.9		6.2	
Comments: Hard	d at top 1 inch															



Relinquished:			D	ate/Tim	e:		Relinqu	ished: _			Date/	Time:	Sa	mpler: <u>1</u>	Compa	ny: <u>1</u>	
Received:	Location ID Date Tin				e:	_	Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Dat	e Time	North	ing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jero
Upper depth (ft):	0	Lower de	epth (ft):	3.3	USCS:	SOLW		PID:	7.5	Jerome:							
Sample Description													lack discolora 38 inches, m			8 inche	s, 24
Upper depth (ft):	3.3	Lower de	epth (ft):	6.6	USCS:	SOLW		PID:	7.5	Jerome:							
Sample Description		Wet, soft, g sized isolate								NAPL stringe	er at 6 inches	, 14 inches	, 21 inches, 2	26 inches, 3	33 inches	, small	pin
Upper depth (ft):	6.6	Lower de	epth (ft):	9.9	USCS:	SOLW		PID:	6.9	Jerome:							
Sample Description		Wet, soft, g 0.5 inch thic								janics, small	pin size isol	ated NAPL	globule at 3 i	nches, 25 i	nches, a	nd 37 ir	ıches
Upper depth (ft):	9.9	Lower de	epth (ft):	13.2	USCS:	SOLW		PID:	2.9	Jerome:							
Sample Description			, , ,		•	•				coloration at othball odor.	6 inches, 12	2 inches, 16	inches, 35 ir	nches and 3	38 inches	s, trace	
Upper depth (ft):	13.2	Lower de	epth (ft):	16.5	USCS:	SOLW		PID:	6.2	Jerome:							
Sample Description		Wet, soft, g	, , ,	,		e fine sa	nd, black	discolora	ation at 7	7 inches, 19	inches to 25	inches, and	d 32 inches, s	mall pin-siz	zed isolat	ed NAF	٦٢

Relinquished:			Date/1	Time:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/1	Time:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft): Sample Descriptio	n: We		yish white, s	9 USCS: ilt like grains, ber Solvay chur					Jerome: n sized isolat	ed NAPL glo	bules at 6	inches, 8 inch	es, 12 inch	es, 14 in	ches, a	and 18
OL-VC-10049	8/16/2006	11:30	1117989.7	924167.4	1.8	362.5	360.7	SOIL	SEDIMENT	✓	1	20	19.6		0.5	
Comments: Har	d at top 2 feet	25 minutes t	o advance.													
Upper depth (ft): Sample Descriptio	n: We		ark gray to g	USCS: rayish white, si slight petroleu				5 inch th				inches is fine	sand and s	shells, br	own	
Upper depth (ft): Sample Descriptio	n: We		• /	grayish white,	SOLW silt like gr	ains, son	<i>PID:</i> ne black f	-	Jerome: d, trace organ	nics, light bro	own discolo	ration at botto	om of core,	0.5 inch	thick S	olvay
Upper depth (ft): Sample Descriptio	<i>n:</i> Top		s wet, soft, g	USCS: rayish white, si thball odor. Re			e black fir									
Upper depth (ft): Sample Descriptio	n: We		rk gray to gra	2 USCS: y with black disoleum like odo		n througl		33.1 ike grair	Jerome:	y, brown orga	anics at 14	inches and 3	5 inches, m	ore clay	like at I	oottom

Relinquished:	nquished: Date/Time:						ished: _			Date/	Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:	eceived: Date/Time: _					Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	13.2	Lower dep	oth (ft): 16	5.5 <i>USCS:</i>	SOLW		PID:	0	Jerome:		•	•	•		•	•
Sample Description	<i>ı:</i> We	t, soft, gr	ay silt like gr	ains, some clay	, trace fin	e sand, d	dark gray	discolor	ation at 22 a	nd 37, mothl	oall odor.					
Upper depth (ft):	16.5	Lower dep	oth (ft): 19	0.6 <i>USCS</i> :	SOLW		PID:	0	Jerome:							
Sample Description	<i>ı:</i> We	t, soft, gr	ayish white,	silt like grains, t	race clay,	, brown o	rganics a	at 32 inch	nes, mothbal	I odor.						
OL-VC-10049A	8/16/2006	12:15	1117991	924167.8	1.8	362.5	360.7	SOIL	SEDIMENT	~	1	20	19.8		0	
										V	'	20	10.0		Ů	
Comments: Hard	I at 15. to 3.5,	25 minutes	to advance													
Upper depth (ft):	0	Lower dep	oth (ft): 3.	3 USCS:	SOLW		PID:	2	Jerome:							
Sample Description	ı: Top	4 inches	s is wet, loos	e, gray fine sar	nd. Wet, h	ard, gray	y, Solvay	chunks	about an incl	h in width an	d length, so	ome gray silt,	some fine :	sand, mo	thball c	odor.
Upper depth (ft):	3.3	Lower dep	oth (ft): 6.	6 USCS:	SOLW		PID:	13.4	Jerome:							
Sample Description				f, grayish white,					nd, dark gray	discoloration	n at 11.5 in	ches, small 1/	8 inch thicl	k black sa	and len	s at
	27.	ō inches,	tan discolor	ation at 34 inche	es and 38	inches,	mothball	odor.								
Upper depth (ft):	6.6	Lower de <u>j</u>	oth (ft): 9.	9 USCS:	SOLW		PID:	15.8	Jerome:							
Sample Description	rains, son			l, tan dis	_	8 inches, 14	inches, 16	inches, and	20 inches,	bottom 5	inches	is				
	Diac	r, poony	Suited GIL	VEL and fine S	AND, IIIO	liibaii bu	oi.									

Vibracore Field Log

Relinquished: _			Date/T	ime:		Relinqu	ished: _			Date	/Time:	Sa	mpler: 1	Compa	any: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date,	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	6.6	Lower de	pth (ft): 9.9	USCS:	SOLW		PID:	15.8	Jerome:							
Sample Description Upper depth (ft):	bla		medium stiff, of sorted GRAV	EL and fine S					coloration at	8 inches, 14	l inches, 16	inches, and	20 inches,	bottom 5	inches	is
Sample Descripti	on: 0 to	5 inche	s is wet, loose e grains, some	, black, poorly clay, trace org	sorted GF ganics, pe		nd fine S	AND, tra	ace silt, trace		etroleum lik	e odor. Rest	of core is w	et, soft, (gray to d	dark
Upper depth (ft): Sample Descripti	on: 0 to		pth (ft): 16.9 es is moist, han from 26 inche	rd, tan, silt like				14.4 me orga	Jerome: unics. Rest of	f core is wet,	very soft, s	silt like grains,	trace clay,	trace or	ganics,	brown
Upper depth (ft): Sample Descripti		<i>Lower de</i> et, soft, gi	pth (ft): 19.8 rayish white to		SOLW rains, trac	e fine sa	<i>PID:</i> nd, browr	-	Jerome: cs at 17 inch	es and 33 ind	ches, moth	ball odor.				
OL-VC-10050	8/24/2006	09:30	1117816.4	925985.1	15.8	362.4	346.6	SOIL	SEDIMENT	✓	1	20	19.4		0	
Comments:																
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	ML		PID:	4	Jerome:							
Sample Descripti	on: We	t, soft, da	ark gray to bla	ck, SILT, trace	clay, trac	ce fine sa	and, petro	leum lik	e odor, hydro	ocarbon like	odor, trace	organics.				

QEA Quantitative Environmental Analysis, LLD

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):		Lower de _l	• /		SOLW		PID:		Jerome:							
Sample Descriptio Upper depth (ft): Sample Descriptio	6.6	Lower de _l	ay green to grant for the state of the state	USCS:	SOLW		PID:	21.1	Jerome:	·		roughout, mo	thball odor.			
Upper depth (ft): Sample Descriptio		Lower dep	oth (ft): 13.2 ayish white, si		SOLW	oond ligh	PID:		Jerome:	mathball ad	or.					
Upper depth (ft): Sample Descriptio	13.2	Lower de _l		5 USCS:	SOLW		PID:	2.5	Jerome:	mothball ou	or.					
Upper depth (ft): Sample Descriptio		<i>Lower dep</i> t, soft, gr	oth (ft): 19.4 een, silt like gr		SOLW e sand, bl	lack disc	<i>PID:</i> oloration		<i>Jerome:</i> ches, 25 inch	nes, mothball	odor.					
OL-VC-10051	8/24/2006	10:15	1117854.7	926006.9	16.2	362.4	346.2	SOIL	SEDIMENT	~	1	20	19.8		0	
Comments:																



Relinquished:			Date/	Гіте:		Relinqu	ished: _			Date	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/	Гіте:		Receive	ed: _			Date,	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft): 0		Lower dep				6:	PID:	8.6	Jerome:		00 to 00 in a		-tualaa III.			
Sample Description:	vvei	i, soit, di	ack to dark gr	ay, SILT, trace	ciay, sor	me line s	ano, sma	ıı pın sız	ea NAPL gio	dules from 2	6 to 36 inc	nes, strong pe	etroieum iik	e odor.		
Upper depth (ft): 3 Sample Description:		<i>Lower dep</i> t, soft, bla		USCS:		ie sand, s	PID: strong hyd		<i>Jerome:</i> n like odor.							
Upper depth (ft): 6 Sample Description:		<i>Lower dep</i> t, soft, gr		USCS: ains, mothball of	SOLW odor.		PID:	11.7	Jerome:							
Upper depth (ft): 9 Sample Description:		<i>Lower dep</i> t, soft, gr		2 USCS: ains, mothball of	SOLW odor.		PID:	10.2	Jerome:							
Upper depth (ft): 9 Sample Description:		<i>Lower dep</i> t, soft, gr		2 <i>USCS:</i> ains, mothball of	SOLW		PID:	10.2	Jerome:							

Relinquished:			Date/1	ime:		Relinqu	ished: _			Date	/Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/1	ime:		Receive	ed: _			Date,	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jeromo
Upper depth (ft):	13.2	Lower de _l	pth (ft): 16.	5 USCS:	SOLW		PID:	9.4	Jerome:	•	•					
Sample Description	n: wet	, soft, gra	ay green, silt li	ke grains, trac	e fine sar	nd, trace	organics	, dark gr	ay discolorat	ion from 35 t	to 27 inches	s, mothball oc	lor.			
					001111											
		Lower de _l			SOLW			6.5	Jerome:							
Sample Description	n: We	t, soft, gr	een to bright of	green, silt like (grains, tra	ace fine s	and, blac	k discol	oration at 8 a	and 31 inche	s, mothball	odor.				
OL-VC-10052	8/24/2006	10:40	1117852.6	925963.8	15.8	362.4	346.6	SOIL	SEDIMENT	V	1	20	19.6		0	
Comments:		<u>. </u>					<u> </u>									<u>I</u>
Upper depth (ft):	0 .	Lower de	pth (ft): 3.3	USCS:	ML		PID:	9.6	Jerome:							
Sample Description		•		ay, SILT, trace		d. trace o			• • • • • • • • • • • • • • • • • • • •		nted pin size	ed NAPL alob	ule at 15 ai	nd 31 incl	nes.	
Sumple Description		ι, σσ.ι, σ.	aon to aam gi	ay, c.=.,acc	,o ou	u,uoo o	gaoo,	,		.,	o	50 g.55	aro ar ro ar			
Upper depth (ft):	3.3	Lower de	pth (ft): 6.6	USCS.	SOLW		PID:	22.3	Jerome:							
Sample Description		•		black to dark		T trace o		_	• • • • • • • • • • • • • • • • • • • •		r and slight	t netroleum lik	e odor. Re	st of core	is wet	soft
Sample Description				slight hydroca					na, nyarocai	borr line odor	, and siigin	i petroleum iii	.c 0001. 110	31 01 0010	is wet,	, 3011,
Upper depth (ft):	6.6	Lower de _l	pth (ft): 9.9	USCS:	SOLW		PID:	16.9	Jerome:							
Sample Description	n: We	t, soft, gr	ayish white, s	ilt like grains, s	some to tr	ace fine	sand, sliç	ght hydro	ocarbon odor	and mothba	ıll odor.					

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:		Date/T		Receive	d: _			Date/	Time:	w	eather:					
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):		Lower de			SOLW		PID:	2.2	Jerome:							
Sample Description	n: Wei	t, soft, gr	ray, silt like gra	ins, trace fine	sand, mo	othball od	or.									
Upper depth (ft):	13.2	Lower de _l	<i>pth (ft):</i> 16.5	USCS:	SOLW		PID:	12.5	Jerome:							
Sample Description	n: Wet	t, soft, gr	ray green, silt l	ike grains, trac	ce fine sa	nd, trace	organics	, dark gi	ay discolorat	tion at 10.5 in	nches, mot	hball odor.				
Upper depth (ft):	16.5	Lower de	<i>pth (ft):</i> 19.8	B USCS:	SOLW		PID:	7.7	Jerome:							
Sample Description		•	een, silt like gr			ace orgar			_	inches, moth	ball odor.					
					1											ı
OL-VC-10053	8/16/2006	08:20	1117722	924313	1.5	362.5	361	SOIL	SEDIMENT	✓	1	20	19.2		0	
Comments:																
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	SOLW		PID:	0	Jerome:							
Sample Description			s is wet, loose, olvay chunks th										y, silt like gr	ains, bla	ck fine	sand, 1
	IIICI	I IIIICK SC	Divay Churiks II	irougriout, dai	k gray, na	alu Clay II	ike grains	5 110111 30	o inches to s	o inches, mo	unban odor					
Unnar donth (ft)	3.3	I awan da	pth (ft): 6.6	HCCC.	SOLW		DID.	1.9	Lanares							
Upper depth (ft): Sample Description		<i>Lower de_l</i> t, mediur	m stiff to soft, t			grains, ti			Jerome: ace clay, bro	wn organics	at 23 inche	es and 6 inche	es, with sma	all Solvav	chunk	s in
• •			of core, mothb		-	- /		•	•	ŭ				,		

Vibracore Field Log

Relinquished:	linquished: Date/Tir					Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:	eceived: D			ime:		Receive	ed: _			Date/	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	6.6	Lower de	oth (ft): 9.9	USCS:	SOLW		PID:	2.2	Jerome:							
Sample Descriptio			es is moist, hai nothball odor.	d, dark gray t	o gray, sil	t like gra	ins, some	e clay, s	light petroleu	m like odor.	Rest of cor	e is wet, soft	to medium	stiff, gray	yish whi	te, silt
Upper depth (ft): Sample Descriptio			pth (ft): 13.2 p 3 inches is b		SOLW est of cor	e is grayi	PID: ish white		Jerome: k discoloratio	on throughou	t, silt like gı	rains, mothba	ll odor.			
Upper depth (ft): Sample Descriptio			oth (ft): 16.5 ayish white wit		SOLW pration in t	he top 4	PID: inches ar		Jerome: hes to 11 incl	hes, silt like	grains, trad	ce fine sand, r	nothball oc	lor.		
Upper depth (ft): Sample Descriptio			oth (ft): 19.2 ayish white, sil		SOLW race fine	sand, mo	<i>PID:</i> othball ode		Jerome:							
OL-VC-10053A	8/16/2006	09:15	1117723.8	924313.3	1.5	362.5	361	SOIL	SEDIMENT	✓	2	20	19.8		0.9	
Comments:																
Upper depth (ft):	0	Lower de _l	oth (ft): 3.3	USCS:	SOLW		PID:	6.8	Jerome:							

Sample Description: Wet, medium stiff, gray to dark gray, silt like grains, some black fine sand, trace organics, mothball odor.

Relinquished: _				Da	ate/Tii	me:		_	Relin	quished	: _			Date	/Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:	Date/Time:								Recei	ived:	_			Date	/Time:	w	eather:			
Location ID	Dat	te T	ime	Northi	ng	Eastir	ng	Water Depth (ft)	Wate Elev (ft)	. Lin	e	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jei
Upper depth (ft):	3.3	Lon	er dep	th (ft):	6.6	U	SCS:	SOLW		P	ID:	60.2	Jerome	:						
Sample Description Upper depth (ft): Sample Description	6.6	Low	<i>ver depl</i> oft, gra	• /	9.9	U	SCS: S	SOLW		P	ID:	10.2	Jerome		, petroleum	like odor in d	ark gray are	eas, moth	nball od	dor
Upper depth (ft):	9.9	Lou	er dep	th (ft):	13.2	U :	SCS:	SOLW		P	ID:	4.2	Jerome	:						
Sample Description				is moist 18 inche						s, some	clay	, moder	ate plasticit	y. Rest of cor	e is grayish	n white with pi	nk discolor	ation, dar	k gray	
Upper depth (ft):	9.9	Lon	er dep	th (ft):	13.2	U S	SCS:	SOLW		P	ID:	4.2	Jerome	:						
Sample Description	on:			is moist 18 inche					_	s, some	clay	, moder	ate plasticit	y. Rest of cor	e is grayish	n white with pi	nk discolor	ation, dar	k gray	
Upper depth (ft):	13.2	Lon	er dep	th (ft):	16.5	U S	SCS:	SOLW		P	ID:	0	Jerome	:						
Sample Description	n:	Wet, se	oft, gra	yish whi	te, silt	like gra	ins, tr	ace fine	sand,	gray pir	ık di	scolorat	tion through	out, mothball	odor.					

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:	eceived: Date/Time:									Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	16.5	Lower dep	oth (ft): 19.8	8 USCS:	SOLW	•	PID:	0	Jerome:							
Sample Descriptio	n: We	t, soft, gra	ayish white, si	ilt like grains, ti	ace fine s	sand, mo	othball odd	or.								
OL-VC-10054	8/11/2006	13:25	1117823.8	924273.2	1.4	362.6	361.2	SOIL	SEDIMENT	✓	1	20	18.8		1.1	0
Comments: Top	2 inches is ha	rd.				•										
Upper depth (ft):	0	Lower dep	oth (ft): 3.3	USCS:	SOLW		PID:	1.1	Jerome:							
Sample Descriptio			gray to dark gi um like odor.	ray, fine SAND	and SOL	.W, trace	e organic i	in top of	core, fine to	medium gra	in sand fro	m 35 inches t	o 38 inches	s, mothba	ll odor	and
Upper depth (ft):	3.3	Lower dep	oth (ft): 6.6	USCS:	SOLW		PID:	1.6	Jerome:							
Sample Descriptio	n: We	t, soft, da	rk gray to gra	y silt like grain:	s, black w	ell sorte	d fine san	id lenses	s throughout	, trace of org	anics, petro	oleum like odd	or.			
Upper depth (ft):	6.6	Lower dep	oth (ft): 9.9	USCS:	ML		PID:	15	Jerome:							
Sample Descriptio				gray SILT with is, some clay,							ike odor, b	lack fine sand	lens at 15	inches. F	Rest of	core is
Upper depth (ft):	6.6	Lower dep	oth (ft): 9.9	USCS:	ML		PID:	15	Jerome:							
Sample Descriptio	<i>n:</i> 0 to	23 inche	s is wet, soft,	gray SILT with							ike odor, b	lack fine sand	lens at 15	inches. F	Rest of	core is

Relinquished:		Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>		
Received: Date/Time:						Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	9.9	Lower de	oth (ft): 13.2	USCS:	SOLW		PID:	4.3	Jerome:			•	•		_	
Sample Description	n: We	t, soft, gr	ayish white, sil	It like grains, ti	race fine s	sand in to	op half co	ore, moth	nball odor.							
Upper depth (ft):	13.2	Lower de	oth (ft): 16.5	USCS:	SOLW		PID:	0.8	Jerome:							
Sample Descriptio		•	es is wet, soft,			rains littl			• • • • • • • • • • • • • • • • • • • •	es to 32 inch	nes is grav	green to dark	grav silt lil	ke arains	trace f	ine
			clay, 0.5 inch tl													
Upper depth (ft):		Lower de _l			SOLW		PID:		Jerome:							
Sample Description			et, soft, gray, si e organics, 0.5										e grains, b	ack disc	oloration	n at 5
OL-VC-10055	8/11/2006	12:00	1118435.4	924347.9	21.2	362.6	341.4	SOIL	SEDIMENT	✓	1	20	18.9		0	
Comments:																
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	SOLW		PID:	4.9	Jerome:							
Sample Description			oft to soft, gray nches, mothba		grains, ti	race fine	sand, bla	ack disco	oloration at 1	9 inches, 29	inches, and	d 35 inches, t	race organi	cs, light	gray, fin	e sand
Upper depth (ft):	3.3	Lower de _l	pth (ft): 6.6	USCS:	SOLW		PID:	2.2	Jerome:							
Sample Descriptio	n: We	t, soft, gr	een to blue gre	een, silt like gr	ains, trac	e fine sa	nd, 0.5 in	ch thick	or smaller S	olvay chunks	s throughou	ut, mothball od	dor.			



Vibracore Field Log

Relinquished:	elinquished: Date/Time:						Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:	Received: Date/Time:						Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northin	g	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	6.6	Lower de	oth (ft):	9.9	USCS:	SOLW		PID:	2.6	Jerome:							
Sample Description					e grains and 10 and 12 ind								inches, 29 in or.	ches, and 3	33 inches	s, less th	an 0.5
Upper depth (ft):	9.9	Lower de	oth (ft):	13.2	USCS:	SOLW		PID:	0	Jerome:							
Sample Description					reen, silt like ghout, mothb							ration from	36 inches to	37.5 inches	s, 0.5 inc	h thick (or
Upper depth (ft):	13.2	Lower de	oth (ft):	16.5	USCS:	SOLW		PID:	0.1	Jerome:							
Sample Description		t, soft lig	ht green to	gray,	silt like grair	ns, trace f	fine sand	, mothba	ll odor.								
Upper depth (ft):	16.5	Lower de	nth (ft)	18.9	USCS:	SOL W		PID:	0.7	Jerome:							
Sample Description		•	• /				, mothbal			• • • • • • • • • • • • • • • • • • • •	een and blue	green, silt	like grains, tr	ace clay, m	othball c	dor.	
OL-VC-10056	8/11/2006	10:35	1118096	.5	924315.8	3	362.6	359.6	SOIL	SEDIMENT	✓	2	20	19.2		4.4	
Comments: 1st a	ttempt 12.5 in	ch recovery	1			•			•					•	•		
Upper depth (ft):	0	Lower de	pth (ft):	3.3	USCS:	SOLW		PID:	4.2	Jerome:							
Sample Description			ayish whit APL stringe	_	, .	rains, tra	ce fine sa	and, blacl	k discolo	oration at top	of core and	at 14 inche	s and at botto	om of core,	isolated	less tha	n 0.5

QEA

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	Time:	Sa	mpler: <u>1</u>	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	3.3	Lower de	pth (ft): 6.6	USCS:	SOLW		PID:	3.2	Jerome:							
Sample Description			rayish white to APL stringers to													an 0.5
Upper depth (ft):	6.6	Lower de	pth (ft): 9.9	USCS:	SOLW		PID:	3.4	Jerome:							
Sample Description	n: We	t, soft, gi	ray to dark graynches, mothba	y, silt like grair		ine sand		-	-	ay chunks th	nroughout,	small isolated	I NAPL glob	oules at 1	1 inche	es, 17
Upper depth (ft):	9.9	Lower de	<i>pth (ft):</i> 13.2	2 USCS:	SOLW		PID:	0.8	Jerome:							
Sample Description			ray to blue gree iks throughout,			fine san	d in uppe	er half of	core, trace o	organics, blac	ck discolora	ation at 7 inch	es, 0.5 inch	thick or	smaller	•
Upper depth (ft): Sample Description		<i>Lower de</i> t, soft, g	pth (ft): 16.5 ray green, silt l		SOLW ce fine sa	nd, smal		4.4 isolated	<i>Jerome:</i> NAPL globu	les at 26 incl	hes to 29 in	nches, mothba	all odor.			
Upper depth (ft): Sample Descriptio	n: We		<i>pth (ft):</i> 19.2 rayish white blu eum like odor i	ue green, silt li		, trace cl	<i>PID:</i> ay, browr	_	Jerome: ration from 7	to 11 inches	s, small pin	ı sized isolate	d NAPL glo	bules at	30 inch	es,
OL-VC-10057	8/11/2006	16:25	1118236.3	924432.4	8.6	362.5	353.9	SOIL	SEDIMENT	~	1	20	19.5		0	
Comments:			l	l							ı	1	ı			



Relinquished:			D	ate/Ti	me:		Relinqu	ished: _			Date	Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			D	ate/Ti	me:	_	Receive	:d: _			Date,	/Time:	We	eather:			
Location ID	Date	e Time	North	ing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jeroi
Upper depth (ft):	0	Lower de	pth (ft):	3.3	USCS:	SOLW		PID:	10.7	Jerome:							
Sample Description		Wet, soft, g mothball od		nite, silt	: like grains, li	ttle fine s	and, blac	ck discolo	ration at	22 inches,	1-inch thcik c	or larger ha	rd Solvay chu	nks at botte	om 9 inch	nes of c	ore,
Upper depth (ft):	3.3	Lower de	epth (ft):	6.6	USCS:	SOLW		PID:	36.4	Jerome:							
Sample Description				ains, s	ome fine grair	ned black	sand thr	roughout,	small ta	in colored sa	and lenses 1/	16 of an inc	ch throughout	, strong mo	othball od	or.	
Upper depth (ft):	6.6	Lower de	epth (ft):	9.9	USCS:	SOLW		PID:	5.6	Jerome:							
Sample Description	n:	Wet, mediu	m stiff to	soft, si	It like grains,	some fine	e grain bl	ack sand	through	out, mothba	ll odor.						
Upper depth (ft):	9.9	Lower de	epth (ft):	13.2	USCS:	SOLW		PID:	3.9	Jerome:							
Sample Description	n:	Wet, soft bl	ueish gre	en, silt	like grains, fi	ne sand,	black dis	scoloration	n at 29 ii	nches, mothl	ball odor.						
Upper depth (ft):	13.2	Lower de	epth (ft):	16.5	USCS:	SOLW		PID:	5.9	Jerome:							
Sample Description					y green, silt li										5 inch thi	ck or sr	naller

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	16.5	Lower de _l	oth (ft): 19.5	5 USCS:	SOLW		PID:	3.8	Jerome:							•
Sample Descriptio			iht green, silt li iball odor.	ike grains, son	ne black f	ine sand	througho	ut, black	discoloratio	on at 4 inches	and 32 inc	ches, brown v	vood like or	ganics at	: 18 and	30
OL-VC-10057A	8/11/2006	17:00	1118237.8	924433.9	8.6	362.5	353.9	SOIL	SEDIMENT	V	1	20	19.7		0	
Comments:					•											•
Upper depth (ft):	0	Lower de _l	oth (ft): 3.3	USCS:	SOLW		PID:	100	Jerome:							
Sample Descriptio		t, soft, gr thball odd		It like grains, li	ittle black	fine san	d through	out, tan	discoloration	n at 31 inches	s, 1-inch th	cik or larger, I	nard Solvay	chunks	through	out,
Upper depth (ft):	3.3	Lower de _l	oth (ft): 6.6	USCS:	SOLW		PID:	65	Jerome:							
Sample Descriptio				silt like grain, b nches, tan disc						0 inches, 17	inches, and	d 23 inches, t	olack, fine t	o mediun	n sand	lens
Upper depth (ft):	6.6	Lower de _l	oth (ft): 9.9	USCS:	SOLW		PID:	5	Jerome:							
Sample Descriptio	n: We	t, mediur	n stiff to soft, s	silt like grains,	trace fine	e sand in	top half o	f core, c	dark gray dis	coloration at	37 inches,	mothball odo	r.			
Upper depth (ft):		Lower de _l	• /		SOLW		PID:	9.9	Jerome:							
Sample Descriptio	n: We	t, soft, bl	ue green to gr	ay green, silt li	ke grains	, trace fir	ne sand, t	race org	janics, black	discoloration	at 1.5 incl	nes from top of	of core, mo	thball odd	or.	



Relinquished:		Date/T		Relinqu	ished: _			Date/	Time:	Sa	mpler: <u>1</u>	Compa	ny: <u>1</u>			
Received:			Date/T	ime:	_	Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	9.9	Lower de _l	pth (ft): 13.2	USCS:	SOLW		PID:	9.9	Jerome:				•			
Sample Description	n: Wei	t, soft, bl	ue green to gra		Ü	, trace fir			ganics, black	discoloration	n at 1.5 incl	nes from top o	of core, mo	thball odd	or.	
Upper depth (ft):		Lower de _l	•		SOLW		PID:		Jerome:							
Sample Description	<i>n:</i> We	t, very so	oft, gray green	to grayish whit	te, silt like	e grains,	black disc	coloratio	on at 10, 12, a	and 37 inche	s, mothball	odor.				
Upper depth (ft):	16.5	Lower de _l	<i>pth (ft):</i> 19.7	USCS:	SOLW		PID:	6	Jerome:							
Sample Description			ay green to lig In discoloration			, trace cla	ay at bott	om half	of core, fine	to medium g	rained blac	k sand lens 1	/8 of an inc	h thick a	t 14 and	16
													,			
OL-VC-10058	8/12/2006	09:10	1117838	924442.8	4.2	362.5	358.3	SOIL	SEDIMENT	✓	1	20	20		0.6	0
Comments: Hyd	rocarbon like o	odor along v	vith a mild mothball	odor									•			
Upper depth (ft):	0	Lower de _l	pth (ft): 3.3	USCS:	SOLW		PID:	1.8	Jerome:							
Sample Description	n: Wet		ark gray to gray	/, silt like grair	ns, black,	fine SAN	ID, trace	organics	s, brown disc	oloration at 2	27 and 35 ir	nches, mothb	all odor and	d slight pe	etroleun	n like
Upper depth (ft):	3.3	Lower de _l	pth (ft): 6.6	USCS:	SOLW		PID:	0.7	Jerome:							
Sample Description	n: Wet	t, soft, gr	ay, silt like gra	ins, some fine	sand, tra	ice clay,	black to b	olue gree	en discolorati	ion from 24-2	28 inches, t	race organics	s, mothball	odor.		

Vibracore Field Log

elinquished: Date/Time:						Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:	ceived: Date/Time:						d: _			Date/	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	6.6	Lower de _l	oth (ft): 9.9	USCS:	SOLW	•	PID:	1.9	Jerome:		•					
Sample Descriptio				silt like grains, nball odor, peti			own orga	anics at 2	20 inches, ar	nd 34 inches	, black disc	oloration at 29	9 inches wi	th small i	solated	pin
Upper depth (ft): Sample Descriptio		<i>Lower dep</i> t, soft, gr	• /	2 USCS: en to dark gray	SOLW v, silt like (grains, so	<i>PID:</i> ome clay		Jerome: iscoloration a	at 11 inches,	. 15 inches,	and 19 inche	s, slight pe	troleum I	ike odo	r.
Upper depth (ft): Sample Descriptio		•	• /	5 <i>USCS:</i> LT, some clay		e sand, t		3.4 anics in I	Jerome:	re, strong pe	troleum like	e odor.				
Upper depth (ft): Sample Descriptio			• /	3 USCS: ium stiff, black	SOLW , SILT, so	ome clay,	PID: petroleu	_	<i>Jerome:</i> dor, (ML). Re	est of core is	gray, silt lik	ke grains, son	ne clay, tra	ce organ	ics, mot	hball
OL-VC-10058A	8/12/2006	10:10	1117839.5	924444.6	4.2	362.5	358.3	SOIL	SEDIMENT	✓	2	20	17.4		0.6	0
Comments: hyd	rocarbonlike od	dor, mild mo	thball odor													
Upper depth (ft):	0	Lower dep	oth (ft): 3.3	USCS:	ML		PID:	0.5	Jerome:							

0 to 25 inches wet, very soft, black to dark gray SILT, trace fine sand, trace organics, 1-inch thick or larger Solvay chunks, coal like fragments, organic odor. Rest of core is gray, silt like grains and black fine sand, 1-inch thick or larger Solvay chunks, slight petroleum like odor and mothball odor. Sample Description:

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	3.3	Lower de	pth (ft): 6.6	USCS:	SOLW		PID:	0.9	Jerome:							
Sample Description	.: We	t, hard to	soft, gray, silt	like grains, litt	tle clay, b	lack disc	coloration	at 17 in	ches, small is	solated NAP	L globules	from 2 inches	to 3.5 inch	es, moth	ball odd	or.
Upper depth (ft): Sample Description	.: We	<i>Lower dep</i> t, soft, gr thball odd	ay silt like grai		SOLW trace fine	e sand, s		0.8 size NAF	<i>Jerome:</i> PL globules f	rom 2 inches	to 6 inche	s, 19 inches a	and 15 inch	es, trace	organic	es,
Upper depth (ft):	9.9	Lower de _l	pth (ft): 13.2	2 USCS:	ML		PID:	0.8	Jerome:							
Sample Description			es light green t asticity, petrole		It like gra	ins, trace	e fine san	d, mothb	oall odor, (SC	DLW). Rest o	of core dark	gray to black	, SILT, son	ne clay, t	race fin	е
Upper depth (ft):	13.2	Lower de _l	<i>pth (ft):</i> 16.5	5 USCS:	SOLW		PID:	2.5	Jerome:							
Sample Description	.: 0 to	21 inche	es wet, soft, bl	ack, SILT, trac	e fine sa	nd, trace	brown or	ganics,	petroleum lik	e odor. Rest	of core we	t, soft, silt like	grains, so	me clay,	mothba	all odor.
Upper depth (ft): Sample Description		<i>Lower de_l</i> t, soft, gr	pth (ft): 17.4 ray, silt like gra		SOLW /, trace or	rganics, ı	<i>PID:</i> mothball		Jerome:							
OL-VC-10059	8/15/2006	15:10	1117726.6	924590.4	2.7	362.5	359.8	SOIL	SEDIMENT	✓	1	19.3	19.3		0.5	
Comments: Hard	from 5.5 to 7	.5 feet, abou	ut 30 minutes to ad	vance vibracore, p	enetration to	17 feet										



Relinquished: _			C	Date/Tim	ie:		Relinqu	ished: _			Date	/Time:	Sa	mpler: 1	_ Compa	any: <u>1</u>	
Received: _			0	Oate/Tim	ne:	_	Receive	ed: _			Date,	/Time:	w	eather:			
Location ID	Da	te Time	North	ing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jeroi
Upper depth (ft):	0	Lower a	lepth (ft):	3.3	USCS:	SOLW		PID:	0	Jerome:							
Sample Descripti	on:	Wet, soft, inches and				sand thre	oughout,	1-inch th	ick or laı	ger Solvay o	chunks throu	ghout, trace	e brown orgar	nics, black	discolora	tion at 2	<u>?</u> 2
Upper depth (ft):	3.3	Lower	lepth (ft):	6.6	USCS:	SOI W		PID:	26.5	Jerome:							
Sample Descripti		Wet, soft to	very har	d, grayis		like grain		o little fin	e black :	sand, trace r		k sand, 1-ir	nch thick or la	rger Solvay	chunks	through	out,
Upper depth (ft):	6.6	Lower a	lepth (ft):	9.9	USCS:	SOLW		PID:	50.9	Jerome:							
Sample Descripti	on:	Wet, soft, mothball o		ayish wh	ite, silt like g	grains, tra	ace organ	ics, smal	l isolated	d pin size NA	APL globules	in top 5 ind	ches of core,	little fine bl	ack sand	through	nout,
Upper depth (ft):	9.9	Lower a	lepth (ft):	13.2	USCS:	SOLW		PID:	10.9	Jerome:							
Sample Descripti	on:			•	ay, silt like g ganics, moth			ine sand,	black d	iscoloration t	from 14 inche	es to 18 inc	ches, black m	edium to fir	ne graine	d sand	lens
Upper depth (ft):	13.2	Lower a	lepth (ft):	16.5	USCS:	SOLW		PID:	4.6	Jerome:							
Sample Descripti		Wet, soft,	grayish wh	nite, silt l	ike grains, tı	race fine	sand, blu	ie discolo	ration at	2.5 inches t	from top of c	ore, mothba	all odor.				

Relinquished:			Date/	Time:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/	Time:		Receive	ed: _			Date/	Time:	We	eather:	-		
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	16.5	Lower de _l	oth (ft): 19	.3 USCS:	SOLW		PID:	9.4	Jerome:							
Sample Descriptio	n: We	t, soft, gr	ayish white,	silt like grains, t	race fine	sand, tra	ice clay, n	nothball	odor.							
OL-VC-10060	8/15/2006	14:00	1117861.4	924676.3	2.5	362.4	359.9	SOIL	SEDIMENT	✓	1	20	18		1.3	
Comments: Har	d top 1 foot (to	p section 6)		-1												
Upper depth (ft):	0	Lower de	pth (ft): 3.3	3 USCS:	SOLW		PID:	2.4	Jerome:							
Sample Descriptio				e, dark gray SIL ne sand, hard S								is wet, mediu	m stiff to so	oft, grayis	sh white	e, silt
Upper depth (ft):	3.3	Lower de	pth (ft): 6.0	6 USCS:	SOLW		PID:	0.8	Jerome:							
Sample Descriptio		•		ray silt like grai		lack fine			oloration at 5	inches, sma	ll Solvay ch	nunks in top h	alf of core,	mothball	odor.	
Upper depth (ft):	6.6	Lower de _l	pth (ft): 9.9	9 USCS:	SOLW		PID:	0.8	Jerome:							
Sample Descriptio			0,0	ayish white silt l ned vertical sand	•				•			•		es to 18 i	nches,	1/8
Upper depth (ft):	9.9	Lower de _l	<i>pth (ft):</i> 13	3.2 USCS:	SOLW		PID:	6.8	Jerome:							
Sample Descriptio		t, soft, gr	, , ,	een, silt like gra	ins, trace	fine san	d, dark gr	ay disco	oloration from	n 14 inches to	21 inches	s, small Solva	y chunks in	bottom l	nalf of c	core,

Received:	Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	/Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Location ID Date Time Northing Easting Depth (ft): 16.5 USCS: SOLW PID: 21.7 Jerome: **Sample Description:** **Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 21.7 Jerome: **Wet, soft to medium stiff, gray to blue green to gray silt like grains, soft to medium stiff, small isolated pin size NAPL globules in top 3 inches, trace brown organics, mothball odor. **Upper depth (ft): 16.5 Lower depth (ft): 18 USCS: SOLW PID: 56.3 Jerome: **Sample Description:** **Wet, soft, tan to gray, silt like grains, trace fine sand, small isolated pin size NAPL globules at 5 inches, tan discoloration at 18 inches, mothball odor. **OL-VC-10061** **B/14/2006** **BOLL** **DEDIMENT** **PID: 0.4 Jerome:** **Sample Description:** **Wet, soft, green to gray green, silt like grains, trace fine sand, trace organics, mothball odor. **Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0.5 Jerome:** **Sample Description:** **Wet, soft, light green, silt like grains, trace fine sand in top half of core, black discoloration at 6 inches and 10 inches, mothball odor. **Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:** **Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:** **Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:** **Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:** **Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:** **Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:** **Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:** **Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:** **Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:** **Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:** **Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:** **Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:** **Upper depth (ft): 6.6 Lower dep	Received:			Date/T	ime:		Receive	ed: _			Date,	/Time:	w	eather:			
Wet, soft to medium stiff, gray to blue green to gray silt like grains, soft to medium stiff, small isolated pin size NAPL globules in top 3 inches, trace brown organics, mothball odor. **Upper depth (ft): 16.5 **Lower depth (ft): 18 **USCS: SOLW **PID: 56.3 **Jerome: Sample Description:** Wet, soft, tan to gray, silt like grains, trace fine sand, small isolated pin size NAPL globules at 5 inches, tan discoloration at 18 inches, mothball odor. **OL-VC-10061 **8/14/2006 **16:50 **1118238.8 **924717.3 **11.7 **362.4 **350.7 **SOIL **SEDIMENT **V** 1 **20 **19.7 **19.5 **Jerome: Sample Description:** Wet, soft, green to gray green, silt like grains, trace fine sand, trace organics, mothball odor. **Upper depth (ft): 3.3 **Lower depth (ft): 6.6 **USCS: SOLW **PID: 0.5 **Jerome: Sample Description:** Wet soft, light green, silt like grains, trace fine sand in top half of core, black discoloration at 6 inches and 10 inches, mothball odor. **Upper depth (ft): 6.6 **Lower depth (ft): 9.9 **USCS: SOLW **PID: 3.1 **Jerome: Solution at 6 inches and 10 inches, mothball odor.**	Location ID	Date	Time	Northing	Easting	Depth	Elev.	Line	Matrix				Depth	Depth	Refusal	PID	Jerome
Upper depth (ft): 16.5 Lower depth (ft): 18 USCS: SOLW PID: 56.3 Jerome: Sample Description: Wet, soft, tan to gray, silt like grains, trace fine sand, small isolated pin size NAPL globules at 5 inches, tan discoloration at 18 inches, mothball odor. OL-VC-10061 8/14/2006 16:50 1118238.8 924717.3 11.7 362.4 350.7 SOIL SEDIMENT V 1 20 19.7 2.5 Comments: Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0.4 Jerome: Sample Description: Wet, soft, green to gray green, silt like grains, trace fine sand, trace organics, mothball odor. Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0.5 Jerome: Sample Description: Wet soft, light green, silt like grains, trace fine sand in top half of core, black discoloration at 6 inches and 10 inches, mothball odor. Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:	Upper depth (ft):	13.2	Lower de	pth (ft): 16.	5 USCS:	SOLW		PID:	21.7	Jerome:							
Sample Description: Wet, soft, tan to gray, silt like grains, trace fine sand, small isolated pin size NAPL globules at 5 inches, tan discoloration at 18 inches, mothball odor. OL-VC-10061 8/14/2006 16:50 1118238.8 924717.3 11.7 362.4 350.7 SOIL SEDIMENT 1 20 19.7 2.5 Comments: Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0.4 Jerome: Wet, soft, green to gray green, silt like grains, trace fine sand, trace organics, mothball odor. Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0.5 Jerome: Sample Description: Wet soft, light green, silt like grains, trace fine sand in top half of core, black discoloration at 6 inches and 10 inches, mothball odor. Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:	Sample Descriptio				gray to blue gr	een to gra	ay silt like	e grains,	soft to m	nedium stiff, s	small isolated	d pin size N	IAPL globules	s in top 3 in	ches, trad	ce brow	'n
Sample Description: Wet, soft, tan to gray, silt like grains, trace fine sand, small isolated pin size NAPL globules at 5 inches, tan discoloration at 18 inches, mothball odor. OL-VC-10061 8/14/2006 16:50 1118238.8 924717.3 11.7 362.4 350.7 SOIL SEDIMENT 1 20 19.7 2.5 Comments: Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0.4 Jerome: Sample Description: Wet, soft, green to gray green, silt like grains, trace fine sand, trace organics, mothball odor. Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0.5 Jerome: Sample Description: Wet soft, light green, silt like grains, trace fine sand in top half of core, black discoloration at 6 inches and 10 inches, mothball odor. Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:	Upper depth (ft):	16.5	Lower de	pth (ft): 18	USCS:	SOLW		PID:	56.3	Jerome:							
Comments: Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0.4 Jerome: Sample Description: Wet, soft, green to gray green, silt like grains, trace fine sand, trace organics, mothball odor. Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0.5 Jerome: Sample Description: Wet soft, light green, silt like grains, trace fine sand in top half of core, black discoloration at 6 inches and 10 inches, mothball odor. Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:					ike grains, trad	ce fine sa	nd, smal	l isolated	pin size	NAPL globu	les at 5 inch	es, tan disc	coloration at 1	8 inches, n	nothball o	dor.	
Comments: Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0.4 Jerome: Sample Description: Wet, soft, green to gray green, silt like grains, trace fine sand, trace organics, mothball odor. Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0.5 Jerome: Sample Description: Wet soft, light green, silt like grains, trace fine sand in top half of core, black discoloration at 6 inches and 10 inches, mothball odor. Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:																	
Comments: Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0.4 Jerome: Sample Description: Wet, soft, green to gray green, silt like grains, trace fine sand, trace organics, mothball odor. Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0.5 Jerome: Sample Description: Wet soft, light green, silt like grains, trace fine sand in top half of core, black discoloration at 6 inches and 10 inches, mothball odor. Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:																	
Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0.4 Jerome: Sample Description: Wet, soft, green to gray green, silt like grains, trace fine sand, trace organics, mothball odor. Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0.5 Jerome: Sample Description: Wet soft, light green, silt like grains, trace fine sand in top half of core, black discoloration at 6 inches and 10 inches, mothball odor. Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:	OL-VC-10061	8/14/2006	16:50	1118238.8	924717.3	11.7	362.4	350.7	SOIL	SEDIMENT	~	1	20	19.7		2.5	
Sample Description: Wet, soft, green to gray green, silt like grains, trace fine sand, trace organics, mothball odor. Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0.5 Jerome: Sample Description: Wet soft, light green, silt like grains, trace fine sand in top half of core, black discoloration at 6 inches and 10 inches, mothball odor. Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:	Comments:																
Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0.5 Jerome: Sample Description: Wet soft, light green, silt like grains, trace fine sand in top half of core, black discoloration at 6 inches and 10 inches, mothball odor. Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:	Upper depth (ft):	0 .	Lower de	pth (ft): 3.3	USCS:	SOLW		PID:	0.4	Jerome:							
Sample Description: Wet soft, light green, silt like grains, trace fine sand in top half of core, black discoloration at 6 inches and 10 inches, mothball odor. Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:	Sample Descriptio	n: We	t, soft, gr	een to gray gr	een, silt like gı	rains, trac	e fine sa	nd, trace	organic	s, mothball c	odor.						
Sample Description: Wet soft, light green, silt like grains, trace fine sand in top half of core, black discoloration at 6 inches and 10 inches, mothball odor. Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:																	
Sample Description: Wet soft, light green, silt like grains, trace fine sand in top half of core, black discoloration at 6 inches and 10 inches, mothball odor. Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:	II I41- (64).	0.0	7 J-	4L (G)	nece.	COLW		nin.	0.5	T							
Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:							nd in ton l			• • • • • • • • • • • • • • • • • • • •		and 10 inc	ches mothbal	II odor			
	Sample Descriptio	n. VVC	t sort, lig	in green, sin iii	ke grains, trac	c iiiic sai	ia iii top i	nan or co	irc, blaci	(discoloratio	in at o mones	and to me	ones, motribai	ii odor.			
	Unner denth (ft):	6.6	Lower de	nth (ft): 9.9	USCS:	SOLW		PID:	3.1	Ierome:							
							nd, trace		_	•							



Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:	_	Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	9.9	Lower de	pth (ft): 13.2	USCS:	SOLW		PID:	1.6	Jerome:			•				
Sample Description	n: We	t, soft, gr	ay green, silt li	ke grains, little	e clay, tra	ce organ	ics, trace	black fi	ne grain san	d in top 4 inc	hes of core	e, mothball od	or.			
Upper depth (ft): Sample Description Upper depth (ft): Sample Description	n: We	Lower de	ht green, silt li	ke grains, son USCS:	SOLW		PID:	out, trace	Jerome:							
OL-VC-10062	8/14/2006	10:45	1117993.7	924727.1	4.4	362.4	358	SOIL	SEDIMENT	✓	1	20	19.2		0.9	
Comments: Hard	d at 9 foot at to	op (section 6	3)													
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	SOLW		PID:	0.6	Jerome:							
Sample Description			s is black, fine at 27 inches,	33 inches and	at bottor		es of core	, mothba		een, silt like	grains, son	ne fine sand,	gray fine gr	ain sand	lenses	1/16 of
Upper depth (ft): Sample Description		<i>Lower de</i> t, soft, lig	<i>pth (ft):</i> 6.6 ght gray, silt like		SOLW black fir	ne grain s	<i>PID:</i> sand throu		<i>Jerome:</i> trace organic		coloration a	at 35 inches a	nd 20 inche	es, mothb	oall odo	r.



Vibracore Field Log

Relinquished: _			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	_ Compa	any: <u>1</u>	
Received:			Date/T	ime:		Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):		Lower de			SOLW		PID:		Jerome:				Sanata and and	اد د الد داداد		
Sample Description Upper depth (ft): Sample Description	9.9	Lower de	rayish white, si pth (ft): 13.2 ght green, silt	2 USCS:	SOLW	·	PID:	1.2	Jerome:						or.	
Upper depth (ft): Sample Description			pth (ft): 16.5 rayish white, si		SOLW some blac	k fine sa	<i>PID:</i> nd, tan di		Jerome: tion at 25 incl	hes, trace or	ganics, mo	thball odor.				
Upper depth (ft): Sample Descriptio		<i>Lower de</i> t, soft, gr	pth (ft): 19.2 ay, silt like gra		SOLW sand, trad	ce clay, ç	<i>PID:</i> green disc		Jerome: on in top 2 inc	ches of core,	mothball o	dor.				
OL-VC-10062A	8/11/2006	11:40	1117996.1	924727.2	4.4	362.5	358.1	SOIL	SEDIMENT	~	2	20	19		0	
Comments: Hai	d at 10 feet															
Upper depth (ft):		Lower de			SOLW		PID:	_	Jerome:							
Sample Description	<i>n</i> : 0 to	3 inches	s is black SAN	D and shells, s	some orga	anics. Re	est of core	e light gr	reen to gray,	silt like grain	s, some bl	ack fine sand	, 1/8th inch	thick bla	ck sand	llens

with shells at 9 inches, tan discoloration at 30 inches, hard 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.

QEA Quantitative Environmental Analysis, uc

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date,	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):		Lower de			SOLW		PID:	4.2	Jerome:		•		•			
Sample Descriptio Upper depth (ft): Sample Descriptio	6.6	Lower de	ray to gray gree pth (ft): 9.9 ght green, silt li	USCS:	SOLW		PID:	2.2	Jerome:	·			oall odor.			
Upper depth (ft): Sample Descriptio	<i>n</i> : 0 to		pth (ft): 13.2 es is wet, soft tan discoloration	, light green, s			PID: clay, tan		<i>Jerome:</i> ation at 2 inc	ches. Rest of	core is we	t, medium stif	f, gray, silt	like grain	s, som	e fine
Upper depth (ft): Sample Descriptio		<i>Lower de</i> et, mediui	pth (ft): 16.5 m stiff to soft, ç		SOLW rains, blac	ck fine sa	<i>PID:</i> and, black		Jerome: tion at 6 inch	nes mothball	odor.					
Upper depth (ft): Sample Descriptio			<i>pth (ft):</i> 19 ray silt like grai		SOLW sand to so	ome fine		5.6 3 of an ir	Jerome: n thick black	fine to mediu	ım grain sa	nd lens at 14	inches and	l 30 inche	es, motl	nball
OL-VC-10063	8/21/2006	09:44	1118434.8	924795.4	24.5	362.5	338	SOIL	SEDIMENT	V	1	20	20.1		0	
Comments:																



Relinquished:				Date/Tir	ne:		Relinqu	ished: _			Date/	Time:	Sa	mpler: <u>1</u>	Compa	ny: <u>1</u>	
Received:				Date/Tir	me:	_	Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Da	te Tim	e Nort	hing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jero
Upper depth (ft):	0	Lower	depth (ft):	3.3	USCS:	SOLW		PID:	2.3	Jerome:							
Sample Descriptio	n:	Wet, soft	light gray	, silt like	grains, trace	fine sand	d, trace o	rganics, o	dark gra	y discoloratio	on at 14 inch	es, mothba	ll odor.				
Upper depth (ft): Sample Descriptio			<i>depth (ft):</i> , light gray		USCS: grains, trace		d, trace o	<i>PID:</i> organics, o		Jerome: y discoloratio	on at 14 inch	es, mothba	ll odor.				
Upper depth (ft):	6.6	Lower	depth (ft):	9.9	USCS:	SOLW		PID:	2.2	Jerome:							
Sample Descriptio	n:	Wet, soft odor.	light gray	to gray	green, silt like	grains, t	trace fine	e sand, bl	ack fine	sand and 0.	5 inch thick	or smaller S	Solvay chunks	s from 31 to	35 inche	es, mot	hball
Upper depth (ft):	9.9	Lower	depth (ft):	13.2	USCS:	SOLW		PID:	4.1	Jerome:							
Sample Descriptio	n:		, light gree ace organ			e grains,	trace fin	e sand, 0	.5 inch t	hick or small	er Solvay ch	unks throu	ghout, black c	liscoloration	n form 15	inches	; to 25
Upper depth (ft):	13.2	Lower	depth (ft):	16.5	USCS:	SOLW		PID:	4.1	Jerome:							
Sample Descriptio	n:		light gree		green, silt lik	ke grains	, trace fir	ne sand, t	race org	anics, gray o	discoloration	at 30 inche	s, 0.5 inch th	ck or smal	ler Solva	/ chunk	(S

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	16.5	Lower dep	oth (ft): 19.8	USCS:	SOLW	•	PID:	2.1	Jerome:			•				
Sample Descriptio	n: We	t, soft, gr	ay to gray gree	en, silt like gra	ins, some	e trace, fi	ne, black	, sand, S	Solvay chunk	s throughout	t, trace orga	anics, mothba	ll odor.			
OL-VC-10063A	8/21/2006	10:14	1118434.5	924793.5	24.5	362.5	338	SOIL	SEDIMENT	✓	1	20	17.5		0	
Comments:																
Upper depth (ft):	0	Lower dep	pth (ft): 3.3	USCS:	SOLW		PID:	2.6	Jerome:							
Sample Descriptio		10 inche hball odd	es is wet, very or.	soft, black, sili	t, little to	some fine	e sand, se	ewer like	e odor. Rest	of core is gra	y to light gi	een, wet, soft	t, silt like gr	ains, trad	ce fine	sand,
Upper depth (ft):	3.3	Lower de	oth (ft): 6.6	USCS:	SOLW		PID:	2.1	Jerome:							
Sample Descriptio	on: We	t, soft, lig	ht green, silt li	ke grains, trac	e fine sar	nd, moth	ball odor.									
Upper depth (ft):	6.6	Lower de _l	pth (ft): 9.9	USCS:	SOLW		PID:	1.6	Jerome:							
Sample Descriptio	on: We	t, soft, lig	tht gray, silt lik	e grains, trace	fine sand	d, 0.5 inc	h thick or	smaller	Solvay chur	nks throughou	ut, mothbal	l odor.				
Upper depth (ft):	9.9	Lower de _l	oth (ft): 13.2	2 USCS:	SOLW		PID:	9.3	Jerome:							
Sample Descriptio	n: We	t, soft, lig	ıht green, silt li	ke grains, trac	e fine sa	nd, trace	organics,	dark gr	ay to black o	liscoloration t	from 15 to	20 inches, mo	thball odor			

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	/Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	13.2	Lower de	pth (ft): 16.	5 USCS:	SOLW		PID:	10.3	Jerome:							
Sample Description Upper depth (ft): Sample Description	16.5	Lower de	ght green to graph of the graph	5 USCS:	SOLW		PID:	5.7	Jerome:							
, ,		-,, -	, 19 11 11 9	-7,	,				, 3	,						
OL-VC-10064	8/21/2006	11:51	1117684.3	924771.7	2.8	362.6	359.8	SOIL	SEDIMENT	✓	1	20	20		0	
Comments: Hard	d crust layers	bserved in	SOLW.													
Upper depth (ft):	0 .	Lower de	pth (ft): 3.3	USCS:	SOLW		PID:	1.6	Jerome:							
Sample Description			s is wet, hard t as, trace fine s								Solvay chu	nk at 5 inches	s. Rest of c	ore is wet	, soft, (gray,
Upper depth (ft):	3.3	Lower de	pth (ft): 6.6	USCS:	SOLW		PID:	5.1	Jerome:							
Sample Description	of a	n inch th	hard, gray, silt lick poorly sort I, 1-inch thick o	ed fine sand le	enses at 1	13 inches	s, 27 inch	es, 20 in	iches, and 27	7 inches, fror						
Upper depth (ft):	6.6	Lower de	<i>pth (ft):</i> 9.9	USCS:	SOLW		PID:	2.2	Jerome:							
Sample Description	n: 0 to odo		es is wet, soft,	grayish white,	silt like g	ırains, an	nd black fi	ine sand	. Rest of cor	e is gray gre	en, silt like	grains, trace	organics, tr	ace fine s	and, m	nothball

Relinquished:	shed: Date/Time:						ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/	Гіте:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	6.6	Lower de	<i>pth (ft):</i> 9.9	USCS:	SOLW		PID:	2.2	Jerome:							
Sample Description	n: 0 to odo		es is wet, soft	, grayish white,	, silt like g	ırains, an	d black fi	ne sand	. Rest of core	e is gray gree	en, silt like	grains, trace	organics, tr	ace fine :	sand, m	othball
Upper depth (ft):	9.9	Lower de	<i>pth (ft):</i> 13.	2 USCS:	SOLW		PID:	3.1	Jerome:							
Sample Description				, grayish white, Il pin sized NA						inch thick S	olvay chun	ks toward bot	tom. Rest o	of core is	dark gr	ay to
Upper depth (ft):	13.2	Lower de	<i>pth (ft):</i> 16.	5 USCS:	SOLW		PID:	54.4	Jerome:							
Sample Description	n: We	t, soft, gr	ayish white, s	ilt like grains, t	race fine	sand, tar	n discolora	ation thr	oughout, 0.5	inch long or	smaller NA	APL stingers f	rom 3 to 6 i	nches, n	othball	odor.
Upper depth (ft):	16.5	Lower de _l	<i>pth (ft):</i> 19.	8 USCS:	SOLW		PID:	35.3	Jerome:							
Sample Description				en, silt like gra /8 of an inch th					olated pin siz	ed NAPL glo	bules at 10) inches, 19 ir	nches, 34 ir	iches, an	d 39 inc	ches,
OL-VC-10064A	8/21/2006	12:24	1117684.7	924774.2	2.8	362.6	359.8	SOIL	SEDIMENT	✓	1	20	19.8		0	
Comments:		•		•	•	•		•					•	•		
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	SOLW		PID:	3.1	Jerome:							
Sample Description			ayish white, s e organics, m	ilt like grains, s othball odor.	some blac	k fine sa	nd, black	1/16 to	1/8 of an inc	h thick, fine,	sand lense	es at 15 inche	s, 21 inche	s, 34 incl	nes, and	l 37



Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	/Time:	Sa	mpler: <u>1</u>	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date,	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	3.3	Lower de	<i>pth (ft):</i> 6.6	USCS:	SOLW	•	PID:	9.2	Jerome:		•		•	•		
Sample Descriptio			ray to dark gray o 25 inches, 21												es, 17 t	o 19
Upper depth (ft):	6.6	Lower de	pth (ft): 9.9	USCS:	SOLW		PID:	7.1	Jerome:							
Sample Descriptio			es is wet, soft,			nite silt li			•		vn organics	Rest of core	is wet sof	t dark or	av silt	like
	gra	ains, som	e clay, low plas	sticity, isolated	d pin size	NAPL glo	obules 19), 24 and	l 35 inches, r	mothball odo	r.					
Upper depth (ft):	9.9	Lower de			SOLW			15.4	Jerome:							
Sample Descriptio		et, soft, g othball od	rayish blue to ç or.	gray green, silt	t like grair	ns, trace	fine sand	, less tha	an 05 inches	long NAPL	stringers at	t 2 to 3 inches	, 17, 29, 34	, 36, and	l 39 inc	hes,
Upper depth (ft):	13.2	Lower de	pth (ft): 16.5	5 USCS.	SOLW		PID.	16.5	Jerome:							
Sample Descriptio			rayish white, si			sand tar			-		ll nin sized	isolated NAPI	l alohules a	at 3 inche) C	
Sample Bescriptio		ot, oort, g	aylon winto, of	it into graino, t		ourio, tai	1 0.000.01	anon at	Trana rolo	monoe, ema	p 0.200		L globalob (
Upper depth (ft):	16.5	Lower de	pth (ft): 19.8	B USCS:	SOLW		PID:	4	Jerome:							
Sample Descriptio			es is wet, soft, 37 inches, mot		, silt like g	grains, tra	ace fine s	and. Res	st of core is o	dark gray to b	olack, silt li	ke grains, little	e to some fi	ne sand,	brown	
OL-VC-10065	8/21/2006	12:56	1117697.1	924792.2	2.1	362.5	360.4	SOIL	SEDIMENT		2	20	20		0	
	5/21/2000	12.00	1117007.1	JLTI JL.E		552.5		33.2	220	✓		20	20		U	
Comments:																



Relinquished:			D	ate/Tin	ne:		Relinqu	ished: _			Date	/Time:	Sa	mpler: <u>1</u>	Compa	ny: <u>1</u>	
Received:			D	ate/Tin	ne:	_	Receive	d: _			Date	/Time:	We	eather:			
Location ID	Date	Time	North	ing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	0	Lower de	pth (ft):	3.3	USCS:	SOLW		PID:	1.1	Jerome:	•						
Sample Description	ı: We	et, soft, gr	ayish wh	ite, silt	like grains, s	ome blac	k fine sa	nd, large	one incl	n thick Solva	y chunks thr	oughout, tra	ace organics,	mothball of	dor.		
Upper depth (ft):	3.3	Lower de	pth (ft):	6.6	USCS:	SOLW		PID:	3.8	Jerome:							
Sample Description		•			n, silt like grai	ins, trace	fine san	d, black d	iscolora	tion at 12 inc	ches, black fi	ine sand se	am from 31 t	o 32.5 inch	es, moth	oall odd	r.
Upper depth (ft):	6.6	Lower de _l	pth (ft):	9.9	USCS:	SOLW		PID:	65.2	Jerome:							
Sample Description		et, soft, gr m 30 to 3				sand, sm	nall isolat	ed pin siz	ed NAF	^P L globules a	at 5 inches, tr	ace organi	cs, black fine	grain sand	and fine	gravel	seam
Upper depth (ft):	9.9	Lower de	pth (ft):	13.2	USCS:	SOLW		PID:	3.1	Jerome:							
Sample Description	<i>ı:</i> We	et, soft, da	ark gray,	silt like	grains, trace	fine sand	d, trace o	lay, smal	l pin siz	ed isolated N	IAPL globule	es at 26 incl	nes, mothball	odor.			
Upper depth (ft):	13.2	Lower de	pth (ft):	16.5	USCS:	SOLW		PID:	6	Jerome:							
Sample Description		•		e to gra			e fine sa	nd, browr	organio	cs throughou	ıt, small isola	ated pin size	ed NAPL glob	ule at 33 in	ches, mo	thball o	odor.

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	16.5	Lower de _l	pth (ft): 19.8	B USCS:	SOLW		PID:	5.8	Jerome:							
Sample Descriptio			ayish blue to b k or larger Sol					es at 13	, and 18 inch	nes, tan disco	oloration at	33 inches, an	d 37 inche:	s, 0.5 inc	hes thic	ck to
OL-VC-10066	8/21/2006	13:28	1117659	924773.4	1.7	362.5	360.8	SOIL	SEDIMENT	~	1	20	20.1		0	
Comments:																
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	SOLW		PID:	3.9	Jerome:							
Sample Descriptio		•	soft, gray, silt			ine sand			• • • • • • • • • • • • • • • • • • • •		s througho	ut.				
Upper depth (ft):	3.3	Lower de _l	pth (ft): 6.6	USCS:	SOLW		PID:	6.2	Jerome:							
Sample Descriptio		t, soft, gr thball odd	ay, silt like gra or.	ins, little to so	me fine s	and, blac	ck 1/16 to	1/8 of a	n inch thick	fine grained s	sand lense	s at 13, 18, 33	3, and 38 in	ches, tra	ce orga	anics,
Upper depth (ft):	6.6	Lower de _l	pth (ft): 9.9	USCS:	SOLW		PID:	3.5	Jerome:							
Sample Descriptio			hite to gray blu y chunks throu		, silt like (grains, so	ome black	k fine sa	nd, small pir	sized isolate	ed NAPL gl	obules at 25,	38, and 18	inches,	1-inch t	hick or
Upper depth (ft):	9.9	Lower de	pth (ft): 13.2	2 USCS:	SOLW		PID:	22.2	Jerome:							
Sample Descriptio	n: We	t, soft, da	ark gray to gray ks throughout,	y, silt like grain	ns, trace f	ine sand			•		it 2, 25, and	d 26 inches, la	arge and 0	5 inch th	ick or s	maller

Relinquished:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	_ Compa	any: <u>1</u>					
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft): Sample Description	n: We		pth (ft): 13.2 ark gray to gray lks throughout,	, silt like grair		fine sand	<i>PID:</i> , 0.5 inch	22.2 thick or	<i>Jerome:</i> smaller NAF	PL globules a	t 2, 25, and	d 26 inches, la	arge and 0	.5 inch th	nick or s	maller
Upper depth (ft): Sample Descriptio		<i>Lower de_l</i> t, soft, gr	pth (ft): 16.5 ray, silt like gra		SOLW sand, 0.5	inch thick		15.2 r Solvay	Jerome:	ughout, brow	n discolor <i>a</i>	ation at 14 inc	hes, mothb	all odor.		
Upper depth (ft): Sample Descriptio		<i>Lower de_l</i> t, soft, gr	<i>pth (ft):</i> 19.8 rayish white, si		SOLW race fine	sand, tan	PID:		<i>Jerome:</i> oughout, mo	thball odor.						
OL-VC-10067	8/21/2006	17:11	1117697.5	924750.2	1.6	362.5	360.9	SOIL	SEDIMENT	V	1	20	19.1		0	
Comments:		•				•						•		•		
Upper depth (ft): Sample Description	n: We	, ,	pth (ft): 3.3 ue green to da 5 inches, smal	rk gray, silt lik	,			k fine, sa	,	,	hunks thro	ughout, black	poorly sort	ed fine s	and sea	ım
Upper depth (ft): Sample Description	n: We		pth (ft): 6.6 ark gray, silt lik es, mothball oc	e grains, trace	SOLW e fine san	d, 0.5 inc		2.5 r smallei	Jerome: Solvay chur	nks througho	ut, less tha	ın 0.5 inches l	long isolate	d NAPL :	stringer	s at 11

Vibracore Field Log

Relinquished: _			Date/	Time:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	_ Compa	any: <u>1</u>	
Received:			Date/	Time:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):		Lower de			SOLW		PID:		Jerome:							
Upper depth (ft): Sample Description Upper depth (ft): Sample Description	9.9 on: We 2.5	Lower de, t, soft, gi inches, i	pth (ft): 13 ray, silt like gr mothball odor	ains, trace fine	SOLW sand, lar	ge 2 inch	PID: ne thick S	5.4 olvay ch 6.3	Jerome: unk at 13 inc Jerome:	ches, small p	in sized NA	APL globules	at 19 inche	s, black (ation at
Upper depth (ft): Sample Descriptio		<i>Lower de</i> , t, soft, gr		.1 <i>USCS:</i> ains, brown org	SOLW ganics thro	oughout,		11.1 coloratio	<i>Jerome:</i> on at 19 inche	es, 0.5 inch t	hick or sm	aller Solvay c	hunks throu	ughout, n	nothball	odor.
OL-VC-10068	8/14/2006	17:50	1117921.7	924860.7	5.5	362.4	356.9	SOIL	SEDIMENT	✓	1	20	19.6		0.5	
Comments:																
Upper depth (ft): Sample Description		<i>Lower de</i> t, soft, ha		USCS: ark gray, silt like	SOLW e grains, s	some fine	<i>PID:</i> e sand for		Jerome: 38 inches, 0	.5 inch thick	or larger S	olvay chunks	throughout	, top 2 in	ches of	core is

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balck, silt like grains, some fine gravel, mothball odor overall.

Relinquished:	linquished: Date/Time:									Date	Time:	Sa	mpler: 1	Compa	ıny: <u>1</u>	
Received:	eceived: Date/Time:					Receive	ed: _			Date	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	3.3	Lower de _l	pth (ft): 6.6	USCS:	SOLW		PID:	0.9	Jerome:		•	•				
Sample Description	<i>n:</i> 0 to	27 inche	es wet, grayish stiff, soft, gray							ughout, silt li	ke grains, s	some sand, b	lack sand le	enses thr	oughou	t. Rest
Upper depth (ft):	6.6	Lower de	pth (ft): 9.9	USCS.	SOLW		PID:	0.7	Jerome:							
Sample Description	n: We	t, soft, gr	rayish white, sil y chunks throu	It like grains, t	race fine :	sand, 1/8			•	ck sand lens	at 35 inch	es, organics a	at 22 inches	s, 1.0 incl	h thick o	or
Upper depth (ft):	9.9	Lower de _l	pth (ft): 13.2	2 USCS:	SOLW		PID:	3.4	Jerome:							
Sample Descriptio			ray green to grants	ayish white, si	It like grai	ns, trace	fine sand	ds throu	ghout, 1-inch	thick or larg	er Solvay o	chunks throug	hout, black	fine san	d lens a	.t 11
Upper depth (ft):	13.2	Lower de _l	<i>pth (ft):</i> 16.5	USCS:	SOLW		PID:	1.3	Jerome:							
Sample Description	n: We	t, soft, gr	ray green, silt li	ke grains, trac	ce fine sa	nd, 1-inc	h thick or	larger S	Solvay chunk	s throughout	, trace orga	anics at 21 inc	ches, mothb	all odor.		
Upper depth (ft): Sample Descriptio		<i>Lower dep</i> et, soft, gr	<i>pth (ft):</i> 19.6 ray green, silt li		SOLW ce fine sar	nd, trace	PID: organics		Jerome: ches, mothb							
OL-VC-10069	8/16/2006	16:20	1117812.2	924950.9	4.8	362.5	357.7	SOIL	SEDIMENT	V	1	17	19.8		0	
										•						
Comments: hard	l entire way, 2	.5 hours to a	advance 17 feet.													



Relinquished:			C	ate/Tin	ne:		Relinqu	ished: _			Date/	Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			c	ate/Tin	ne:	_	Receive	:d: _			Date/	Time:	We	eather:			
Location ID	Dat	e Time	North	ing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	0	Lower d	epth (ft):	3.3	USCS:	SM		PID:	0.1	Jerome:							
Sample Description		Wet, soft, o slight moth		SILT, s	ome fine san	d, trace	0.5 inch t	thick or sr	naller S	olvay chunks	throughout,	bottom 10	inches is fine	to medium	grained	black s	and,
Upper depth (ft):	3.3	Lower d	epth (ft):	6.6	USCS:	SOLW		PID:	0.1	Jerome:							
Sample Description													est of core is valued NAPL g				
Upper depth (ft):	6.6	Lower d	epth (ft):	9.9	USCS:	SOLW		PID:	0.1	Jerome:							
Sample Description			,	,	olack, fine to thick sand c			,		sub rounded	d gravel. Res	t of core is	wet, medium	stiff to hard	d, gray, s	ilt like g	jrains,
Upper depth (ft):	9.9	Lower d	epth (ft):	13.2	USCS:	SOLW		PID:	1.2	Jerome:							
Sample Description	n:	Wet, soft to	hard, gra	ay, silt li	ke grains, so	me black	fine san	d, trace b	rown or	ganics throu	ghout, mothb	all odor.					
Upper depth (ft):	13.2	Lower d	epth (ft):	16.5	USCS:	SOLW		PID:	2.9	Jerome:							
Sample Description			ım stiff to				like grain			_		s black, pod	orly sorted, fin	ie gravel ar	nd fine sa	nd, slig	ht

Relinquished:			Date	Time:		Relinqu	ished: _			Date/	Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			Date	Time:		Receive	ed: _			Date/	Time:	we	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft): Sample Description	u: We		rd, gray to b	0.8 USCS: lack, Solvay wa eum like odor in				0.1 ned san	Jerome: d, trace fine		to sub rour	ded gravel, tr	ace organi	cs, mothl	oall odo	or in top
OL-VC-10070	8/12/2006	11:20	1117455.2	924919.9	2.2	362.5	360.3	SOIL	SEDIMENT	V	1	20	19.1		6.9	0
Comments: Disti	nct mothball li	ke odor														
Upper depth (ft): Sample Description	u: We		ayish white,	silt like grains, li on at 39 inches v			d through		Jerome: to medium		nses 1/8 of	an inch thick	at 14 inche	es, 23 ind	hes an	d 36
Upper depth (ft): Sample Description		Lower dep	• /	6 <i>USCS:</i> ains, little fine b	SOLW	l trace o		12.8	Jerome:		om Q inche	es to 12 inche	e with emal	l nin size	d isolat	· ba
sumple Description				oloration at 35 in												. c u
Upper depth (ft):	6.6	Lower dep	oth (ft): 9.	9 USCS:	SOLW		PID:	0.3	Jerome:							
Sample Description				ayish white, silt l icity, trace orga								nball odor. Re	est of core i	s wet, so	ft, light	gray,
Upper depth (ft): Sample Description		<i>Lower dep</i> t, soft, da	• /	3.2 <i>USCS:</i> gray laminated	SOLW I, silt like	grains, so		3.9 small is	<i>Jerome:</i> solated pin si		obule at 6 i	nches, less th	nan 1.0 incl	n long NA	ιPL stri	ngers
	fron	n 13 inche	es to 18.5 in	ches, black disc	coloration	at 32 inc	ches, sma	ill isolate	ed pin sized	NAPL alobule	es at 37 inc	hes, petroleu	m like odor	and mot	hball or	dor.



Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft): Sample Description	n: We		oth (ft): 16.5 ay to dark gra , 0.5 inch thick	y silt like grain				NAPL glo					s and 29 ir	iches, bro	own org	anics
Sample Description	n: We mot	hball odd	ay silt like grai or.	ns, some clay	1	1		ganics at		ome clay, bla	ck discolor	ı		.5 inches,	'	asticity,
OL-VC-10070A Comments:	8/12/2006	11:50	1117457	924918.5	2.2	362.5	360.3	SOIL	SEDIMENT	✓	1	20	19.2		3.5	
Upper depth (ft): Sample Description	n: We		ay, silt like grad 31 inches, m	ins, some blad	SOLW ck fine sa	nd, shell	PID: s and poo		<i>Jerome:</i> ed gravel at t		lack discolo	oration at 20 i	nches and	22 inches	s, orgar	nics at
Upper depth (ft): Sample Description	w: We		oth (ft): 6.6 ay to dark gray , mothball odo	y, silt like grair	SOLW ns, little cl	ay, black		0.6 ation at	<i>Jerome:</i> 10 inches, 16		l 33 inches	, small less th	an 0.5 inch	es long N	NAPL s	tringers
Upper depth (ft): Sample Description	w: We		oth (ft): 9.9 ay to dark gray le at 36 inches	y, silt like grair	SOLW	clay, son		0.2 fine sand	<i>Jerome:</i> d, black disco	oloration form	n 14 to 16 i	nches, mothb	all odor, sn	nall pin si	zed iso	lated

Vibracore Field Log

Relinquished: _			Date/T	ime:		Relinqu	ished: _			Date	/Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date,	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	9.9	Lower de	pth (ft): 13.2	2 USCS:	SOLW		PID:	2.3	Jerome:							
Sample Description			ark gray to gra 0 inches, and				e fine sa	nd, brow	<i>ı</i> n organics a	t 12 inches a	and 31 inch	es, small pin	sized isolat	ted NAPL	. globule	es at
Upper depth (ft):	13.2	Lower de	pth (ft): 16.	5 USCS:	SOLW		PID:	2.5	Jerome:							
Sample Description			ray, silt like gra le at 23 inches			ie sand, t	olack disc	coloratio	n at 7 inches	and 29 inch	es, brown o	organics at 15	inches, sn	nall pin s	zed isol	ated
Upper depth (ft):	13.2	Lower de	pth (ft): 16.	5 USCS:	SOLW		PID:	2.5	Jerome:							
Sample Description	n: We	t, soft, gr	ray, silt like gra	ins, trace clay	, trace fin	e sand, t			• • • • • • • • • • • • • • • • • • • •	and 29 inch	es, brown o	organics at 15	inches, sn	nall pin s	zed isol	ated
Upper depth (ft):	16.5	Lower de	pth (ft): 19.2) USCS.	SOLW		PID:	1 0	Jerome:							
Sample Description	n: We	t, soft, gr	ray to grayish whee, mothball o	white, silt like o		me clay,			• • • • • • • • • • • • • • • • • • • •	ore, black dis	scoloration	at 18 and 23	inches, har	d Solvay	chunks	from
OL-VC-10071	8/20/2006	13:16	1118398.9	925183.7	27	362.2	335.2	SOIL	SEDIMENT	✓	1	20	20.1		0	
Comments:	•	•					•	•			•	•	•			
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	ML		PID:	1.2	Jerome:							
Sample Description	n: We	t, soft, bl	ack to gray gre	en, SILT, trac	e fine sar	nd, slight	petroleur	n like od	dor.							

QEA

Quantitative Environmental Analysis, u.o.

Relinquished:		Dat	te/Time:		_	Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>		
Received:			Dat	te/Time:		_	Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northin	g Ea	sting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jero
Upper depth (ft): 3	3.3	Lower dep	th (ft):	6.6	USCS:	SOLW		PID:	3.4	Jerome:							
Sample Description:		et, soft, gra othball odo	, 0	o grayish v	white, sil	t like gra	ins, trace	fine sand	d, black	discoloration	from 31 to 3	32 inches, a	ın isolated NA	APL stringe	r at 32.5 i	inches,	
Upper depth (ft): 6	6.6	Lower dep	th (ft):	9.9	USCS:	SOLW		PID:	2.1	Jerome:							
Sample Description:		et, soft, gra	• /	e, silt like	grains, tr	ace fine	sand, mo	othball ode	or.								
Upper depth (ft): S Sample Description:		<i>Lower dep</i> et, soft, ligl	• /	13.2 o green gr	<i>USCS:</i> ay, silt lik		, trace fir	<i>PID:</i> ne sand, (Jerome: thick Solvay	chunks throu	ughout, mo	thball odor.				
Upper depth (ft): S Sample Description:		<i>Lower dep</i> et, soft, ligl	• /	13.2 o green gr	<i>USCS:</i> ay, silt lik		, trace fir	<i>PID:</i> ne sand, (Jerome: thick Solvay	chunks throu	ughout, mo	thball odor.				
Upper depth (ft): 1	3.2	Lower dep	oth (ft):	16.5	USCS:	SOLW		PID:	17.1	Jerome:							
Sample Description:		et, soft, gra troleum lik	, ,	Ū	-			liscolorati	ion from	34 to 36 incl	hes with 0.5	inch thick	or smaller So	lvay chunks	s within, s	slight	

Relinquished:			Date/T	ime:		Relinqu	iished: _			Date/	Time:	Sa	mpler: <u>1</u>	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	16.5	Lower dep	oth (ft): 19.8	B USCS:	SOLW		PID:	8.3	Jerome:	•	•	•	•			•
Sample Descriptio		t, soft, gr hball odd	ay green to grant or.	ayish white, sil	lt like grai	ins, little	sand, 0.5	inch thi	ck or smalle	r Solvay chur	nks in the b	ottom half, bla	ack discolo	ration at	30 inch	,
OL-VC-10072	8/20/2006	14:35	1118217.6	925154.1	18.4	362.5	344.1	SOIL	SEDIMENT	✓	1	20	20.1		0	
Comments:				l												
Upper depth (ft):	0	Lower dep	pth (ft): 3.3	USCS:	SOLW		PID:	1.3	Jerome:							
Sample Descriptio	n: We	t, soft, gr	ayish white, si	It like grains, t	race fine	sand, 0.5	5 inch thic	k Solva	y chunks thre	oughout, mot	hball odor.					
Upper depth (ft):	3.3	Lower de _l	pth (ft): 6.6	USCS:	SOLW		PID:	2.3	Jerome:							
Sample Descriptio	n: We	t, soft, gr	ayish white, si	It like grains, t	race fine	sand, 0.5	5 inch thic	k Solva	y chunks thro	oughout, mot	hball odor.					
Upper depth (ft): Sample Descriptio		<i>Lower dep</i> t, soft, lig	pth (ft): 9.9 ght green to gra		SOLW ins, trace	fine san	<i>PID:</i> d, mothba		Jerome:							
Upper depth (ft): Sample Descriptio		<i>Lower dep</i> t, soft, gr	oth (ft): 13.2 ay to gray gree		SOLW iins, trace	fine san	<i>PID:</i> nd, slight r		Jerome:							



Relinquished:			Da	te/Ti	me:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Da	te/Ti	me:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northin	g	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	13.2	Lower de _l	oth (ft):	16.5	USCS:	SOLW		PID:	2.1	Jerome:				•			
Sample Description					light green, s er Solvay chui								soft, gray, sil	t like grains	s, little fin	e sand,	less
Upper depth (ft): Sample Description		Lower dep t, soft, gr	• /	19.8 silt lik	USCS: ke grains, little		d, mothb	PID: pall odor.	0.7	Jerome:							
01.1/0.40070	0/00/0000	40.50	1110005	_	005104.4	0.4	200.0	050.0	0011	OFDIMENT							
OL-VC-10073	8/23/2006	10:50	1118025	.1	925124.4	9.1	362.3	353.2	SOIL	SEDIMENT	✓	1	20	19.8		0	
Comments:																	
Upper depth (ft):	0	Lower de _l	oth (ft):	3.3	USCS:	SOLW		PID:	4.3	Jerome:							
Sample Description	ı: Wet	t, soft, gr	ay, silt like	grai	ns, little to tra	ce, fine b	lack sand	d, small is	solated p	oin sized NA	LP globules t	from 25 to :	26 inches, mo	thball odor			
Upper depth (ft): Sample Description		<i>Lower dep</i> t, soft, gr	• /	6.6 silt lik	USCS: e grains, trace		nd, trace	<i>PID:</i> organics,	-	Jerome: Il odor.							
Upper depth (ft):	6.6	Lower de _l	oth (ft):	9.9	USCS:	SOLW		PID:	1.6	Jerome:							
Sample Description	u: Wet	t, soft, lig	ht green,	silt lik	ke grains, trac	e fine sar	nd, mothl	ball odor.									

Relinquished:			Date/Ti	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:	Received: Date/Time:						d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	9.9	Lower dej	oth (ft): 13.2	USCS:	SOLW		PID:	2.5	Jerome:				•			
Sample Description	n: Wet odo		ht green to gra	ay, silt like grai	ns, trace	to little fi	ne sand,	dark gra	ay discolorati	on at 26 inch	es and 29	to 32 inches,	and at bott	om of co	re, moth	nball
Upper depth (ft): Sample Description		_	oth (ft): 16.5 ht green, silt li		SOLW e fine sar	nd, dark (<i>PID:</i> gray disco		Jerome: at 23 inches	s, mothball o	dor.					
Upper depth (ft): Sample Description		•	oth (ft): 19.8 ht green to gra			fine sand	<i>PID:</i> d, brown		Jerome: at 31 inches	s, 0.5 inch th	ick Solvay	chunks in bot	tom half of	core, mo	thball o	dor.
OL-VC-10073A	8/23/2006	11:15	1118024.8	925112.8	9.1	362.3	353.2	SOIL	SEDIMENT	✓	1	20	20		0	
Comments:																
Upper depth (ft):	0	Lower dep	oth (ft): 3.3	USCS:	SOLW		PID:	2.2	Jerome:							
Sample Description	n: Wet	t, soft, gr	ay, silt like gra			fine sand			ich long isola	ited NAPL st	ringer at 30) inches, moth	nball odor.			
Upper depth (ft):		Lower dep	• /	USCS:		اعلم ساما	PID:		Jerome:							
Sample Description	n: vvei	ı, son, ilg	iht green, silt li	ke grains, trac	e ime sar	iu, motni	ball odor.									



Vibracore Field Log

Relinquished: _			Date	e/Time:		Relinqu	ished: _			Date	/Time:	Sa	mpler: 1	Compa	any: <u>1</u>	
Received: _			Date	e/Time:		Receive	ed: _			Date/	/Time:	Wo	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	6.6	Lower de	<i>pth (ft):</i> 9	.9 USCS:	SOLW		PID:	4	Jerome:					•		
Sample Descripti Upper depth (ft): Sample Descripti Upper depth (ft): Sample Descripti	9.9 on: We bot	Lower de et, soft, ligtom inch	pth (ft): 1 ght green to of core. pth (ft): 1	gray green, silt li	SOLW ike grains SOLW	, trace fir	PID: ne sand, c	2.2 dark gra 2.2	Jerome:						Ü	
Upper depth (ft): Sample Descripti		<i>Lower de</i> et, soft, lig	• • •	9.8 <i>USCS:</i> gray, silt like gra	SOLW iins, trace	fine sand	<i>PID:</i> d, brown o		<i>Jerome:</i> ation at 17 ar	nd 27 inches	, mothball (odor.				
OL-VC-10074	8/21/2006	15:48	1117740.6	925138.2	5.6	362.5	356.9	SOIL	SEDIMENT	~	1	20	19.9		0	
Comments:																
Upper depth (ft):	0	Lower de	<i>pth (ft):</i> 3	.3 USCS:	SOLW		PID:	1.9	Jerome:							
Sample Descripti	on: We	t, soft to	hard, gray,	silt like grains, lit	tle fine sa	ınd, trace	organics	, 1.0 inc	h thick Solva	ay chunks the	roughout, n	nothball odor.				

QEA Quantitative Environmental Analysis, Luc

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	Time:	Sa	mpler: <u>1</u>	Compa	ny: <u>1</u>	
Received:			Date/T	ime:	_	Receive	ed: _			Date,	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	3.3	Lower de _l	oth (ft): 6.6	USCS:	SOLW		PID:	0.9	Jerome:							
Sample Description	n: 0 to odo		es is wet, hard,	gray, silt like	grains, so	ome fine	sand. Re	st of cor	re is wet, soft	, gray green	silt like gra	ains, little fine	sand, trace	e organic	s, moth	ball
Upper depth (ft): Sample Description	<i>n:</i> 0 to		oth (ft): 9.9 es is wet, soft, lack fine sand,	bright green, s		ains, trac	PID: ee fine sa		Jerome: gray discolo	ration at 12 i	nches. Res	at of core, is w	et, hard to	soft, gra	/, silt lik	е
Upper depth (ft):	9.9	Lower de	oth (ft): 13.2	uscs:	SOLW		PID:	2.4	Jerome:							
Sample Description	n: Wet	t, soft, gr	ayish white, sil	t like grains, ti	race fine s	sand, tra	ce organi	ics, moth	nball odor.							
Upper depth (ft):	13.2	Lower dej	oth (ft): 16.5	USCS:	SOLW		PID:	2	Jerome:							
Sample Description		_	hard, grayish v	vhite, silt like ç	grains, tra	ce fine s	and, 1.0 i	inch thic	k Solvay chu	nks through	out, mothba	all odor.				
Upper depth (ft): Sample Description		<i>Lower dep</i> t, soft, lig	oth (ft): 19.8 ht green, silt li		SOLW e fine sar	nd, black		1.9 ation at 4	Jerome: 4.5 inches, m	othball odor						
OL-VC-10075	8/12/2006	15:25	1117274	925124.1	2.2	362.5	360.3	SOIL	SEDIMENT	✓	1	20	18.9		1.2	0
Comments: moti	nball like odor				1			1		<u> </u>						



Relinquished:			D	ate/Tim	e:		Relinqui	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
			D	ate/Tim	e:		Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northi	ing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft): 0		Lower dep	oth (ft):	3.3	USCS:	SOLW		PID:	3.9	Jerome:							
										k black fine to , mothball oc		ain sand le	nses at 13 inc	ches and 8	inches, 1	-inch th	nick or
Upper depth (ft): 3.	3	Lower dep	oth (ft):	6.6	USCS:	SOLW		PID:	0.9	Jerome:							
Sample Description:													s than 0.5 inc t petroleum lik		smaller S	olvay c	hunks
Upper depth (ft): 6.	6	Lower dep	oth (ft):	9.9	USCS:	ML		PID:	1.8	Jerome:							
Sample Description:					SILT, little to ottom 4 inch		y, black	discolorat	tion from	n 7 inches to	22 inches, s	mall pin siz	zed NAPL glo	bules at 23	inches, p	oetroleu	ım like
Upper depth (ft): 9.		Lower dep	• /	13.2	USCS:			PID:	_	Jerome:							
Sample Description:		t, soft, da oleum lik		SILT, so	me clay, low	plasticity	/, black d	liscolorati	on at 31	inches to 34	1 inches, sm	all pin sized	d isolated NAI	PL globules	at 19 ind	ches,	
Upper depth (ft): 13	3.2	Lower dep	oth (ft):	16.5	USCS:	SOLW		PID:	2.3	Jerome:							
Sample Description:		15 inche hball odo	-	soft, bla	ack SILT, so	me black	coal like	fragmen	ts, petro	leum like od	or. Rest of c	ore is grayi	sh white to gr	een, silt like	e grains,	trace c	lay,

Relinquished:			Date/	Time:		Relinqu	ished: _			Date/	Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			Date/	Time:		Receive	ed: _			Date/	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	16.5	Lower de _l	oth (ft): 18.	9 USCS:	SOLW		PID:	1.9	Jerome:		•	•				
Sample Description	<i>n:</i> We	t, soft to	medium stiff,	grayish pink si	It like grai	ns, black	discolor	ation at 1	18 inches, m	othball odor.						
OL-VC-10076	8/16/2006	18:30	1117526.4	925240.3	4.7	362.5	357.8	SOIL	SEDIMENT	V	1	17.5	19.9		0	
Comments: Hard	d top 5 feet, 1-	-2 hours to a	dvance to 17.5 ft.							•		•				
Upper depth (ft):	0	Lower de _l	pth (ft): 3.3	USCS:	SOLW		PID:	0.9	Jerome:							
Sample Description		t, mediur thball odd		um hard, gray	to dark gr	ay, silt lik	ke grains	, some b	lack fine to r	medium grair	ned sand, 1	-inch thick or	larger Solv	ay chunk	s throu	ghout,
Upper depth (ft):	3.3	Lower de _l	pth (ft): 6.6	USCS:	SOLW		PID:	3.1	Jerome:							
Sample Description	n: We	t, soft to	medium stiff,	gray green, sill	t like grair	ns, little fi	ne sand,	some 0.	5 inch thick	Solvay chunl	ks through	out about a ha	If inch in le	ngth, mo	thball o	dor.
Upper depth (ft):	6.6	Lower de _l	pth (ft): 9.9	USCS:	SOLW		PID:	15.1	Jerome:							
Sample Description		t, soft to k, mothb		gray silt like gr	ains, trac	e fine saı	nd brown	discolor	ation at 27 ir	nches and 29	inches, 1.	0 inch thick S	olvay chun	ks throug	hout 1	inch
Upper depth (ft):	9.9	Lower de _l	pth (ft): 13.	2 USCS:	SOLW		PID:	25.8	Jerome:							
Sample Description	n: We	t, soft, ar	ay, silt like gr	ains, trace fine	sand, blu	ie green	discolora	tion form	9 to 15 inch	nes, tan disco	oloration 1/	16 of an inch	thick at 36	inches, m	nothball	l odor.



Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	Time:	Sa	mpler: 1	_ Compa	iny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	13.2	Lower de	pth (ft): 16.5	USCS:	SOLW		PID:	21.2	Jerome:					•		
Sample Description		t, soft, gr thball odd	ray, silt like gra or.	ins, trace fine	sand, tan	n discolor	ation at 2	22 inche	s, 24 inches,	37 inches, d	lark brown	0.5 inch diam	eter circula	r discolor	ation,	
Upper depth (ft):	16.5	Lower de	pth (ft): 19.8	B USCS:	SOLW		PID:	62.6	Jerome:							
Sample Description		•	n stiff to hard,			ke arains	. some b	lack fine	sand. 0.5 in	ch thick tan o	discoloratio	n at 2 inches.	large 0.5 ii	nch to 1.0) inch tl	nick
0. 10. 10.		,	ks throughout,	ı		T 200 4	0.05	0011	OF DIMENT		Ι.		l			1
OL-VC-10077	8/23/2006	12:10	1118080	925345.5	12.9	362.4	349.5	SOIL	SEDIMENT	✓	1	20	17.9		0	
Comments:																
Upper depth (ft):	0	Lower de _l	<i>pth (ft):</i> 3.3	USCS:	SOLW		PID:	4	Jerome:							
Sample Description			es is wet, very e grains, trace				rains, 0.5	inch thi	ck or smalle	r Solvay chu	nks through	nout. Rest of o	core is wet,	soft to ha	ard, gra	yish
Upper depth (ft):	3.3	Lower de _l	<i>pth (ft):</i> 6.6	USCS:	SOLW		PID:	5.1	Jerome:							
Sample Description	n: We	t, soft to	medium stiff, ç	grayish white, s	silt like gr	ains, trac	ce fine sa	ınd, motl	nball odor.							
Upper depth (ft):		Lower de _l			SOLW		PID:		Jerome:							
Sample Description	n: We	t, soft, gr	ayish white, si	It like grains, t	race fine	sand, sm	nall 1/8 of	an inch	in diameter	NAPL pocke	ts from 10	to 12 inches, t	trace organ	ics, moth	ıball od	or.

Vibracore Field Log

Relinquished:			Date/Ti	ime:		Relinqu	ished: _			Date	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/Ti	ime:		Receive	ed: _			Date,	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	9.9	Lower de	oth (ft): 13.2	USCS:	SOLW		PID:	2.9	Jerome:							
Sample Descriptio	n: We	t, soft to	medium stiff, g	ray, silt like g	rains, trac	e fine sa	nd, black	coal lik	e fragments	at 26 inches	mothball o	odor.				
Upper depth (ft):	99	Lower des	oth (ft): 13.2	USCS.	SOLW		PID:	2.9	Jerome:							
Sample Descriptio			medium stiff, g			e fine sa			• • • • • • • • • • • • • • • • • • • •	at 26 inches	mothball c	odor.				
~		.,	, 9	,, ,			,		g							
Umman danth (ft).	12.0	I aman da	nd (6). 16 E	ucce.	SOLW		PID:	0.5	Lonomon							
Upper depth (ft): Sample Descriptio		_	<i>pth (ft):</i> 16.5 jht green, silt lil						Jerome:		odor					
Sample Descriptio	n. vve	ı, sorı, iig	in green, siit iii	ne grains, trac	Je ilile Sai	iu, biack	coai like	nagmen	ווט מו טט וווכוו	ies, motribali	ouor.					
Upper depth (ft):		•			SOLW			4.3	Jerome:							
Sample Descriptio	n: We	t, soft to	stiff, green, silt	like grains, tr	race fine s	and, mo	thball odd	or.								
OL-VC-10078	8/23/2006	14:50	1117846	925415.9	8.2	362.4	354.2	SOIL	SEDIMENT	✓	1	18	20		0	
Comments: Har	d from 2.5 feet	on down														
Commence: That	a 113111 2.3 1661	on down.														
Upper depth (ft):	0	Lower de _l	pth (ft): 3.3	USCS:	SW		PID:	0	Jerome:							

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SW PID: 0 Jerome:

Sample Description: Wet, very dense, dark gray, fine well sorted sand, and solw, slight mothball odor, organic odor.

Relinquished:	Date/T		Relinqu	ished: _			Date/	Time:	Sa	mpler: <u>1</u>	Compa	ny: <u>1</u>				
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):		Lower de _l			SOLW	•	PID:		Jerome:							
Sample Descriptio Upper depth (ft): Sample Descriptio Upper depth (ft):	6.6 <i>I</i> Wet	Lower dep :, soft, gr Lower dep	ayish white, sil	USCS: It like grains, li	SOLW ttle to trac	ce fine sa	PID: and, 1 inc	2.4 th thick \$ 4.4	Jerome: Solvay chunk Jerome:	s throughout	t, light brow	n discoloratio	n througho			
Sample Descriptio Upper depth (ft): Sample Descriptio	13.2	Lower de <u>p</u>	n stiff, gray, sil oth (ft): 16.5 ay, silt like gra	5 USCS:	SOLW		PID:	5.9	Jerome:				ne sand se	am at 30) inches	
Upper depth (ft): Sample Descriptio		<i>Lower dep</i> :, mediun	oth (ft): 19.8 n stiff, gray, sil		SOLW ttle to trac	ce fine sa	<i>PID:</i> and, black		Jerome: e fragments	at 12 inches	, trace orga	anics, mothba	ll odor.			
OL-VC-10078A	8/23/2006	15:50	1117845.2	925416.6	8	362.3	354.3	SOIL	SEDIMENT	✓	1	17.7	20		0	
Comments: Hard	from 2 feet o	n down.			•	•	•									



Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	/Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:	_	Receive	ed: _			Date	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jeroi
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	SOLW		PID:	5.3	Jerome:							
Sample Description			es is wet, dens othball odor.	se to medium o	dense, bla	ack, fine	SAND an	d shells	. Rest of core	e is wet, soft	, grayish wl	hite, silt like g	rains, trace	fine san	d, trace	
Upper depth (ft):	2 2	Lower de	epth (ft): 6.6	ucce.	SOLW		PID:	2.4	Jerome:							
Sample Description			ray, silt like gra			own disco			• • • • • • •		ics, mothba	all odor.				
		, oo, g.	ay, out into gro		oua, 5	0.00				, o. ga		000.1				
Upper depth (ft):	6.6	Lower de	epth (ft): 9.9	USCS:	SOLW		PID:	2.5	Jerome:							
Sample Description		et, soft, g	rayish white, si	It like grains, t	race fine	sand, mo	othball od	or.								
Upper depth (ft):	9 9	Lower de	epth (ft): 13.2	2 USCS:	SOLW		PID:	0.8	Jerome:							
Sample Description			rayish white, si			and, 1.0			•		nball odor.					
Upper depth (ft):	13.2	Lower de	epth (ft): 16.5	5 USCS:	SOLW		PID:	0.3	Jerome:							
Sample Description			ravish white. si			and. 1.0			• • • • • • • • • • • • • • • • • • • •		nball odor.					

Relinquished:			Date/T	ime:		Relinqu	iished: _			Date/	Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft): Sample Descriptio		Lower dep t, soft to (• /	3 <i>USCS:</i> gray, silt like gr	SOLW rains, little	e to trace	PID: e fine blac	2.1 k sand,	Jerome: trace organio		hick Solvay	chunks throu	ighout, mot	:hball odd	or.	
OL-VC-10079	8/21/2006	17:00	1117654.7	925422.2	6.6	362.5	355.9	SOIL	SEDIMENT	V	2	20	18.9		0	Π
Comments:																
Upper depth (ft): Sample Descriptio Upper depth (ft):	n: We to 2		ay green to gr , slight mothba	ayish white, sil all odor.	SOLW It like grai	ins, trace	PID: e fine sand	d, 1.0 ind	Jerome: ch thick or la Jerome:	rger Solvay o	chunks thro	ughout, black	poorly sor	ted sand	lens fro	om 23
Sample Descriptio				It like grains, li	ittle black	fine san	d through	out, 1.0	inch thick or	larger Solva	y chunks th	nroughout, mo	othball odor	<u>.</u>		
Upper depth (ft): Sample Descriptio			•	USCS: ains, some fine	SOLW sand, 1.	0 inch thi	<i>PID:</i> ick or larg		<i>Jerome:</i> ay chunks thi		s than 0.5 i	inch long NAF	PL stringer a	at 36 inch	nes, mo	othball
Upper depth (ft): Sample Descriptio			•	USCS:	SOLW sand, 1.0	0 inch thi	<i>PID:</i> ick or larg		<i>Jerome:</i> ay chunks thi		s than 0.5 i	nch long NAF	PL stringer	at 36 inch	nes, mo	othball



Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):		Lower de _l			SOLW		PID:		Jerome:				-			
Sample Description	n: Wet	t, soft, gr	ayish white, si	t like grains, ti	race fine s	sand, bla	ck discol	oration a	at 17 inches,	1.0 inch thic	k or larger	Solvay chunk	s throughou	ıt, mothb	all odor	
Upper depth (ft): Sample Description		<i>Lower dep</i> t, soft, gr	<i>pth (ft):</i> 16.5 ayish white, si		SOLW ttle fine s	and, Solv	<i>PID:</i> /ay chunk	_	<i>Jerome:</i> ghout, mothb	all odor.						
Upper depth (ft): Sample Description		<i>Lower dep</i> t, soft, gr	pth (ft): 18.9		SOLW	fine sand	<i>PID:</i> d through		Jerome:	larger Solva	y chunks th	nroughout, mo	othball odor			
		, , ,	•	G ,			ŭ	,		Ü	,	g ,				
OL-VC-10080	8/12/2006	16:30	1116980.6	925396.3	1.9	362.5	360.6	SOIL	SEDIMENT	~	1	20	19.3		1.8	
Comments: moti	nball like odor							•				•				
Upper depth (ft):	0	Lower de _l	pth (ft): 3.3	USCS:	SOLW		PID:	0.3	Jerome:							
Sample Description			ay green to grant from 36 inche								liscoloratio	n at 17 inches	and 24 inc	hes, dar	k gray	
Upper depth (ft): Sample Description	n: Wet		pth (ft): 6.6 ark gray to blace 36 inches, pet	k, to grayish v				trace fi	Jerome: ne sand, coa	l like fragme	nts from 30) to 35 inches	, fine sand	ens abo	ut an 1/8	3 of an

Vibracore Field Log

Relinquished: _			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Турс	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft): Sample Description		<i>Lower de</i> t, soft, gr	<i>pth (ft):</i> 9.9 rayish white wi		SOLW ration thro	oughout,			Jerome: ace clay, dar	k gray discol	oration at 2	24 and 34 inch	nes, mothba	all odor.		
Upper depth (ft): Sample Description		<i>Lower de</i> t, soft to	<i>pth (ft):</i> 13.2 medium stiff, ç		SOLW like grain	s, trace f	<i>PID:</i> ine sand		<i>Jerome:</i> alf of core, ta	n discoloratio	on in top 2	inches of core	e, mothball	odor.		
Upper depth (ft): Sample Description		<i>Lower de</i> t, soft, gr	<i>pth (ft):</i> 16.5 rayish white, si		SOLW race clay	in botton	<i>PID:</i> n of core,		Jerome: iscoloration a	at bottom 2 in	nches, mot	hball odor.				
Upper depth (ft): Sample Description		<i>Lower de</i> t, soft, gr	<i>pth (ft):</i> 19.5 rayish pink, silt		SOLW n discoloi	ration at [.]	<i>PID:</i> 10 inches		Jerome: inches, moth	nball odor.						
OL-VC-10080A	8/12/2006	17:00	1116982.2	925394.2	1.9	362.5	360.6	SOIL	SEDIMENT	✓	1	20	19.3		5.2	
Comments: mo	hball like odor															
Upper depth (ft): Sample Description		<i>Lower de</i> t, soft, gr	pth (ft): 3.3 rayish green to			ine sand	<i>PID:</i> in top ha	-	Jerome: e, little mediu	m sand in to	p half of co	ore, black disc	oloration a	t 21 inche	es and 2	29

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inches, mothball odor and slight petroleum like odor.

Relinquished:		Relinqu	ished: _			Date/	/Time:	Sa	mpler: 1	_ Compa	any: <u>1</u>					
Received:	eceived: Date/Time:						ed: _			Date/	/Time:	Wo	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft): Sample Descriptio	<i>n</i> : 0 to	Lower dep 23 inches se, poorly	pth (ft): 6.6 es is dark gray y sorted gravel	, wet, soft, SIL	_T, little cla	ay, slight s, trace o	PID: t petroleu organics, p	ım like o	<i>Jerome:</i> dor, small pir m like odor. F	n sized isolat	ed NAPL g is wet, soft	plobules at 12 , grayish white	inches, 23 e silt like gr	to 33 inc ains, mo	hes is b thball or	olack, dor.
Upper depth (ft): Sample Descriptio		<i>Lower dep</i> et, soft, gr	<i>pth (ft):</i> 9.9 rayish pink to g		SOLW like grains	s, trace fi	<i>PID:</i> ine sand,		Jerome: own discolora	ation at 29 in	ches, moth	ıball odor.				
Upper depth (ft): Sample Descriptio		<i>Lower dep</i> et, soft, gr	pth (ft): 13.2 rayish white, si		SOLW trace fine s	sand, daı	<i>PID:</i> rk gray di		Jerome: ion at 35 inch		ll odor.					
Upper depth (ft): Sample Description		<i>Lower dep</i> t, soft, gr	<i>pth (ft):</i> 16.5 rayish white, si		SOLW pink discol	loration i	PID: n bottom		Jerome: mothball odd							
Upper depth (ft): Sample Descriptio		<i>Lower dep</i> t, soft, gr	<i>pth (ft):</i> 19.3 rayish white, si		SOLW trace clay,	pink disa		0.3 n at 17 ir	<i>Jerome:</i> nches, 25 inc		inches, mo	othball odor.				
OL-VC-10081	8/15/2006	16:50	1117441	925496	5	362.6	357.6	SOIL	SEDIMENT	✓	2	20	20		0.2	
Comments:																



Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	/Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date	/Time:	w	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jeroi
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	SOLW		PID:	1.1	Jerome:							
Sample Descriptio	n: We	t, soft to	medium stiff, g	gray, silt like gı	rains, trac	e fine sa	and, fine t	o mediu	m grain sand	d seam 1/8 o	f an inch th	nick at 9.5 inch	nes, mothb	all odor.		
Unner denth (ft):	3 3	Lower de	pth (ft): 6.6	USCS.	SOLW		PID:	۵	Jerome:							
Upper depth (ft): Sample Descriptio			stiff, grayish w			e black fi					om half of c	core, trace ord	anics, mot	hball odo	r.	
***		-,	, , , , ,	, - · · · 3	,		,		. 3,			,	,,			
Upper depth (ft):	6.6	Lower de	pth (ft): 9.9	USCS:	SOLW		PID:	0	Jerome:	:						
Sample Descriptio	n: We	t, soft to	medium stiff, g	gray, silt like gı	rains, little	e black fi	ne sand,	mothbal	ll odor.							
								_								
Upper depth (ft): Sample Descriptio		Lower de	<pre>pth (ft): 9.9 medium stiff, g</pre>		SOLW	a black fi	PID:	-	Jerome:	•						
эштрие Безсприо	n. VVE	ι, συπ τυ	modium sun, (jiay, siit iine yi	ans, iillit	J DIACK III	no sano,	motribal	ii odoi.							
Upper depth (ft):	9.9	Lower de	pth (ft): 13.2	2 USCS:	SOLW		PID:	0	Jerome:	:						
Sample Descriptio	n: We	t, soft to	medium stiff, o	gray silt like gra	ains, trac	e fine sa	nd, black	fine san	nd seam from	n 31 inches to	33 inches	, mothball od	or.			

Relinquished:			Date/1	Time:		Relinqu	ished: _			Date	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/1	Time:		Receive	ed: _			Date,	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):		Lower de			SOLW		PID:	-	Jerome:		•					
Sample Descriptio	n: We		ray, silt like gra	ains, little fine s	sand, blac	k discol	oration at	29 inch	es, trace org	anics, small	black silt le	ns 1/16 of an	inch thick a	at 8.5 inch	nes, mo	othball
Upper depth (ft):	16.5	Lower de	<i>pth (ft):</i> 19.	8 USCS:	SOLW		PID:	1.8	Jerome:							
Sample Descriptio	n: We	t, soft to	medium stiff,	gray, silt like g	rains, little	e to trace	e fine san	ıd, tan di	scoloration a	t 8.5 inches,	and 31 inc	hes, mothball	odor.			
								<u> </u>	1	1			1			
OL-VC-10081A	8/15/2006	17:50	1117443.5	925496.8	4.9	362.6	357.7	SOIL	SEDIMENT	✓	1	20	19.6		0	
Comments: Har	d entire way d	own, about	25 minutes to adva	nce.												
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	SOLW		PID:	0	Jerome:							
Sample Descriptio	n: We	t, soft, gr	ray, silt like gra	ains, top half in	nch is blac	k fine sa	and, fine I	black se	am at 23.5 in	nches, mothb	all odor.					
Upper depth (ft):	3.3	Lower de	epth (ft): 6.6	USCS.	SOLW		PID:	1.7	Jerome:							
Sample Descriptio				ains, little fine s		k discol			_		nks through	hout, mothbal	l odor.			
Upper depth (ft):		Lower de			SOLW		PID:		Jerome:		ماد اماماد	nd and Californ	المسلمين	1 inaba-	m athle	ماا مطم
Sample Descriptio	<i>n:</i> We	ī, mealur	m stiff to soft,	gray, silt like g	rains, trac	e to little	e diack fir	ie sand,	trace organi	cs, 2 inch thi	ck diack sa	na ana Solva	y chunk at	4 inches,	motnba	ali odor.



Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received: Date/Time:						Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	9.9	Lower de _l	oth (ft): 13.2	USCS:	SOLW		PID:	0	Jerome:			•				
Upper depth (ft): Sample Descriptio Upper depth (ft): Sample Descriptio	n: We	t, mediur Lower dep	n stiff to hard,	silt like grains, USCS:	SOLW	·	PID:	sand sea	Jerome:	es, mothball	odor.					
OL-VC-10082	8/20/2006	12:15	1118354.3	925614.9	29	362.6	333.6	SOIL	SEDIMENT	✓	1	20	19.9		0	
Comments:					•							•	•			
Upper depth (ft): Sample Description		<i>Lower dep</i> t, soft, bl	oth (ft): 3.3 ack, SILT, trac	USCS: e fine sand, sl		oleum like	PID: e odor.	0	Jerome:							
Upper depth (ft): Sample Description			pth (ft): 6.6		ML		PID:	5.4	Jerome:							

Vibracore Field Log

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/Ti	ime:		Receive	ed: _			Date/	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft): Sample Descriptio		Lower dep 6 inches	oth (ft): 9.9 is wet, soft gr		SOLW e fine sar	nd. Rest o	PID: of core is	-	Jerome: t, silt like gra	ins, little san	ıd, Solvay o	chunks throug	hout, moth	ball odor		
Upper depth (ft): Sample Descriptio	n: We	<i>Lower dep</i> t, soft, gr hball odd	ayish white to		SOLW ilt like grai	ins, trace		5.6 d, Solvay	Jerome: y chunks thro	oughout, blac	ck discolora	ation at 26 inc	hes and 35	i to 36 inc	ches, sli	ght
Upper depth (ft): Sample Descriptio	n: We		oth (ft): 16.5 Int gray to gray		SOLW like grain	s, little fir		10.2 0.5 inch	<i>Jerome:</i> thick or smal	ller Solvay cl	hunks in the	e bottom half,	black disc	oloration	at 32.5	
Upper depth (ft): Sample Descriptio			pth (ft): 19.8 ay green to gra		SOLW ilt like grai	ins ,little t		5.4 , Solvay	Jerome: chunks at 12	2 inches, and	d 31 inches	, bottom half	has a hydro	ocarbon I	ike odo	·.
OL-VC-10083	8/24/2006	13:40	1118077.4	925633.8	18.3	362.4	344.1	SOIL	SEDIMENT	V	1	20	19.9		0	
Comments:																
Upper depth (ft):	0	Lower de	oth (ft): 3.3	USCS:	SOLW		PID:	28.2	Jerome:							

Wet, soft, gray green, silt like grains, little to trace fine sand, black discoloration form 33 to 35 inches, mothball odor. PID may be influenced by high humidity.



Sample Description:

elinquished: Date/Time:						Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft): Sample Descriptio	n: Wet	Lower der t, soft, da hball odd	ark gray to gray		SOLW ns, trace f	ine sand	PID: black dis		Jerome: ion for 13 inc		thes, 0.5 in	ch thick or sm	naller Solva	y chunks	throug	hout,
Upper depth (ft): Sample Descriptio		•	oth (ft): 9.9 ark gray to gray		SOLW ns, trace f	ine sand	PID:		Jerome: olack discolo	ration at 22 i	nches to 28	3 inches, motl	nball odor.			
Upper depth (ft): Sample Descriptio			oth (ft): 13.2 ayish white, si		SOLW ttle to trad	ce fine sa	<i>PID:</i> and, blue		Jerome:		3 inches, m	nothball odor.				
Upper depth (ft): Sample Descriptio		<i>Lower de</i> t, soft to	pth (ft): 16.5 medium stiff, ç		SOLW silt like gr	ains, trac	PID: ee fine sa		Jerome: e organics, m							
Upper depth (ft): Sample Descriptio		<i>Lower de</i> t, soft to	oth (ft): 19.8 medium stiff, g		SOLW silt like gr	ains, trac	<i>PID:</i> se fine sa		Jerome: e organics, m	nothball odor						
OL-VC-10083A	8/24/2006	14:30	1118076.4	925631.9	18.3	362.4	344.1	SOIL	SEDIMENT	✓	2	20	19.9		0	
Comments:																



Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			Date/1	ime:		Receive	ed: _			Date/	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jeroi
Upper depth (ft): Sample Description	: 0 to			soft, black to d		, SILT, tra	PID: ace fine s		Jerome: ce organics,		ı like odor.	Rest of core i	s dark gray	to gray,	silt like	grains
Upper depth (ft): Sample Description		<i>Lower de</i> t, soft, gr		USCS: ay, silt like gra	SOLW ins, trace	e fine san	PID:	-	Jerome: ation at 11, 2		n 2 inches	of core, trace	organics, r	nothball (odor.	
Upper depth (ft): Sample Description		<i>Lower de_l</i> t, soft, gr		<i>USCS:</i> ark gray, silt lik	SOLW e grains,	trace org	<i>PID:</i> ganics, bla	-	<i>Jerome:</i> like fragmer		es, mothba	all odor.				
Upper depth (ft): Sample Description		<i>Lower de_l</i> t, soft, gr		2 USCS: Ilt like grains, li	SOLW	ce fine sa	<i>PID:</i> and, trace	-	Jerome:							
Upper depth (ft): Sample Description		<i>Lower de</i> t. soft. ar		5 <i>USCS:</i>	SOLW	sand. sm	<i>PID:</i> nall pin siz	-	<i>Jerome:</i> 'L globules a		mothball o	dor.				

Relinquished:			Date/	Time:		Relinqu	ished: _			Date/	Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			Date/	Time:		Receive	ed: _			Date/	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	16.5	Lower de	<i>pth (ft):</i> 19	.8 USCS:	SOLW		PID:	0	Jerome:			•				
Sample Descriptio	n: We	t, soft to	hard, grayish	white silt like g	grains, trad	ce fine sa	and, trace	e organic	s, mothball o	odor.						
OL-VC-10084	8/23/2006	17:00	1117489.5	925660.7	7	362.4	355.4	SOIL	SEDIMENT	V	1	20	20.1		0	
Comments:																
Upper depth (ft):	0	Lower de	pth (ft): 3.3	3 USCS:	SOLW		PID:	0	Jerome:							
Sample Description				gray to grayish nches, seam is					ine sand, 1 i	nch thick Sol	vay chunks	throughout, 1	ine to med	ium grain	ed poo	rly
Upper depth (ft):	3.3	Lower de	pth (ft): 6.6	6 USCS:	SOLW		PID:	0	Jerome:							
Sample Description	n: We	t, soft to	medium stiff,	gray to gray gr APL globule at	een, silt li		s, some b	-	_		y chunks th	nroughout, bla	ck discolor	ation at 2	9.5 inc	hes,
Upper depth (ft):	6.6	Lower de	<i>pth (ft):</i> 9.9	O USCS:	SOLW		PID:	2.3	Jerome:							
Sample Description		t, soft, gr e, mothb	,	ıray, silt like gra	ains, little	to trace f	ine sand,	0.5 inch	thick or sma	aller Solvay o	chunks thro	ughout, trace	brown orga	anics in to	op half	of
Upper depth (ft):	9.9	Lower de	<i>pth (ft):</i> 13	.2 USCS:	SOLW		PID:	0	Jerome:							
Sample Description	n: We	t, soft, gr	ravish white to	o light green, si	It like grai	ns. trace	fine sand	d, mothb	all odor.							



Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	13.2	Lower de _l	oth (ft): 16.5	USCS:	SOLW		PID:	7.7	Jerome:				•			
Sample Description Upper depth (ft): Sample Description Upper depth (ft): Sample Description	13.2 <i>I</i> Wet	Lower dep t, soft, gr Lower dep	ay, silt like gra	5 USCS: ins, some blacks USCS:	SOLW ck fine sa SOLW	nd, light l	PID: brown org PID:	7.7 ganics ir	Jerome:	ore, mothbal						
OL-VC-10085	8/22/2006	15:20	1117135	925641.9	3.8	362.3	358.5	SOIL	SEDIMENT	~	1	20	20		0	
Comments: Hard	d at 6 to 7 feet.									<u> </u>						
Upper depth (ft): Sample Description		<i>Lower dep</i> t, soft, gr	oth (ft): 3.3 ayish white to		SOLW grains, tra	ce fine sa		0.3 e clay, tr	Jerome: ace organics		re, mothbal	l odor.				
Upper depth (ft): Sample Description		•	oth (ft): 6.6 ay, silt like gra		SOLW ck fine sa	nd, 1 incl		5.7 chunks	Jerome: throughout, t		tion at 20 ir	nches, mothba	all odor.			

Vibracore Field Log

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received: Date/Time:						Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	6.6	Lower de _l	oth (ft): 9.9	USCS:	SOLW	•	PID:	15.2	Jerome:			•	•	•		
Sample Description Upper depth (ft): Sample Description	9.9	Lower de _l	ay, silt like gra oth (ft): 13.2 tht green to gra	2 USCS:	SOLW		PID:	30.2	throughout, t	an discolorat	tion at 20 ir	nches, mothba	all odor.			
Upper depth (ft): Sample Description		•	oth (ft): 16.5 ay to light gree		SOLW ins, trace	fine sand	<i>PID:</i> d, trace o		Jerome: mothball odd	or.						
Upper depth (ft): Sample Description		t, soft, gr	oth (ft): 19.8 ay green to gra		SOLW ins, some	e black fir	PID: ne sand, l		Jerome: scoloration fr	om 23 to 25	inches, sm	all pin sized i:	solated NA	PL globu	les at 34	4
OL-VC-10086	8/11/2006	15:05	1116945.8	925660.6	3	362.4	359.4	SOIL	SEDIMENT	~	3	20	18		0	
Comments: OSI	change O ring	on Vibracc	ore head								1	<u> </u>				
Upper depth (ft):		Lower de			SOLW	nd 1-incl		0.9	Jerome:	e throughout	black disc	coloration at 4	inches bla	nck fing s	and len	e at 15

QEA Quantitative Environmental Analysis, uc

inches, trace organics, mothball odor.

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: <u>1</u>	Compa	ny: <u>1</u>	
Received: Date/Time:						Receive	ed: _			Date/	Time:	We	eather:			
					Water	Water	Mud					Penetration	Recovery			
Location ID	Date	Time	Northing	Easting	Depth (ft)	Elev. (ft)	Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Depth (ft)	Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	3.3	Lower de _l	oth (ft): 6.6	USCS:	SOLW		PID:	0	Jerome:							
Sample Descriptio			es wet, mediun ck, SILT, trace					race fine	e sand, black	discoloration	n at 21.5 in	ches, mothba	ll odor. Res	st of core	dark gr	ay
Upper depth (ft):	6.6	Lower de	oth (ft): 9.9	USCS:	ML		PID:	2	Jerome:							
Sample Descriptio		•	ack to dark gra			fine san			-	kets of NAP	L from 12 i	nches to 24 ir	nches, petro	oleum lik	e odor.	
Upper depth (ft): Sample Descriptio	<i>n:</i> 0 to		oth (ft): 13.2 es wet, soft, bla othball odor.		SOLW e fine sar	nd in clay	<i>PID:</i> / grading		Jerome: Solvay. Res	t of core wet	, soft, gray	green grayish	n white, silt	like grair	ns, with	trace
Upper depth (ft):		Lower dep	•		SOLW		PID:		Jerome:							
Sample Descriptio	<i>n:</i> We	i, mediun	n stiff, gray to	grayish white,	silt like gi	rains, tra	ce fine sa	ands, mo	othball odor.							
Upper depth (ft):		Lower dep	• /		SOLW		PID:		Jerome:							
Sample Descriptio	n: vve	i, soit, gr	ayish white, sil	ı iike grains, ti	race fine s	sano, mo	лпран од	OI.								
OL-VC-10086A	8/14/2006	15:40	1116944.4	925659.4	3	362.4	359.4	SOIL	SEDIMENT	~	1	20	18.8		0	
Comments:					1	ı	l									



Relinquished:			Da	te/Time:		Relinqu	ished: _			Date/	Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			Da	te/Time:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northin	ng Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	0	Lower de	pth (ft):	3.3 <i>USCS</i>	: SOLW	•	PID:	0.2	Jerome:			•	•			
Sample Descriptio		Vet, soft, gr dor.	ayish whit	e, silt like grains,	little fine s	sand thro	ughout, 1	inch thi-	ck or larger S	Solvay chunk	s througho	ut, black disc	oloration at	0.5 inche	es, mot	hball
Upper depth (ft):	3.3	Lower de	pth (ft):	6.6 <i>USCS</i>	: SOLW		PID:	0.2	Jerome:							
Sample Descriptio		•		silt like grains, tra	ace fine sa	and, 1-inc	h thick or	larger S	Solvay chunk	s throughout	, mothball (odor.				
Upper depth (ft):	6.6	Lower de	pth (ft):	9.9 <i>USCS</i>	: ML		PID:	0	Jerome:							
Sample Descriptio				oft to medium stiff mall 1/8 inch pock					rest of core	dark gray to	black, wet	, very soft, SI	LT, little cla	ıy, trace f	ne san	d,
Upper depth (ft):	6.6	Lower dep	pth (ft):	9.9 <i>USCS</i>	: ML		PID:	0	Jerome:							
Sample Descriptio				oft to medium stiff mall 1/8 inch pock					rest of core	dark gray to	black, wet	, very soft, SI	LT, little cla	ıy, trace f	ne san	d,
Upper depth (ft):	9.9	Lower de	pth (ft):	13.2 <i>USCS</i>	: SOLW		PID:	0.2	Jerome:							
Sample Descriptio		to 20 inche		ft, black, SILT, tra	ice fine, sa	and gradi	ng toward	ls Solva	y. Rest of co	re gray greei	n to grayish	white, wet, s	oft, silt like	grains, tr	ace fin	e sand,

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	13.2	Lower de	pth (ft): 16.	5 USCS:	SOLW		PID:	0	Jerome:							
Sample Description Upper depth (ft): Sample Description	16.5	Lower de _l	n stiff to soft, q pth (ft): 18.8 n stiff to stiff, q	B USCS:	SOLW		PID:	0	Jerome:							
OL-VC-10087	8/12/2006	13:50	1116769.1	925592.6	2.2	362.6	360.4	SOIL	SEDIMENT	yor corvay ch	2	19	19		4.1	0
Comments: Actu	al manatuation	donth 10 F	Mathhall like ada	at top of continu C						V						
Comments: Acit	iai penetration	аери тв.э	. Motribali like odor	at top of section 6												
Upper depth (ft):	0	Lower de	<i>pth (ft):</i> 3.3	USCS:	SOLW		PID:	0.1	Jerome:							
Sample Description			m stiff to hard, t petroleum like				n at 31 in	ches, top	p 4 inches is	dark gray, S	ILT, little cl	ay, some 0.5	inch or sm	aller grav	el, som	e
Upper depth (ft):	3.3	Lower de	pth (ft): 6.6	USCS:	SOLW		PID:	0	Jerome:							
Sample Description		t, soft, gr thball odd	rayish pink, silt or.	like grains, bl	ack fine s	and in to	p 12 inch	nes of co	ore, 1-inch th	ck or larger	Solvay chu	nks in top 12	inches of c	ore, trace	organi	CS,
Upper depth (ft):	6.6	Lower de	pth (ft): 9.9	USCS:	SOLW		PID:	0.1	Jerome:							
Sample Description	n: We	t, soft, gr	ayish white, si	It like grains, t	race clay	, 1-inch tł	hick or la	rger Sol	vay chunks t	nroughout, ta	ın discolora	ition at 30 inc	hes, mothb	all odor.		



Relinquished: _			Date	Time:		Relinqu	ished: _			Date	Time:	Sa	mpler: 1	Compa	any: <u>1</u>	
Received: _			Date	/Time:		Receive	ed: _			Date	Time:	We	eather:			
					Water	Water	Mud					Penetration	Recovery			
Location ID	Date	Time	Northing	Easting	Depth (ft)	Elev. (ft)	Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Depth (ft)	Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	6.6	Lower de	<i>pth (ft):</i> 9.	9 USCS:	SOLW		PID:	0.1	Jerome:							
Sample Descripti	on: We	t, soft, gi	rayish white,	silt like grains, t	race clay,	, 1-inch th	nick or lar	ger Solv	ay chunks th	nroughout, ta	ın discolora	tion at 30 inc	hes, mothb	all odor.		
Upper depth (ft):	9.9	Lower de	<i>pth (ft):</i> 13	3.2 <i>USCS</i> :	SOLW		PID:	0	Jerome:							
Sample Descripti	on: We		rayish white, iks, mothball	silt like grains, t odor.	race clay,	, brown d	liscolorati	on at 7 i	nches, 12 ind	ches, 18 inch	nes, 22 incl	nes, and 34 in	iches, trace	1-inch t	hick or I	arger
Upper depth (ft):	13.2	Lower de	<i>pth (ft):</i> 16	6.5 <i>USCS</i> :	SOLW		PID:	0	Jerome:							
Sample Descripto	on: We	t, soft, m		ilt like grains, tr	ace fine s	and in to	p 4 inche	s of core			scoloration	at 6 inches, ç	grayish pink	discolo	ration at	34
Upper depth (ft):	16.5	Lower de	<i>pth (ft):</i> 19	uccs.	SOLW		PID:	0	Jerome:							
Sample Descripti				grayish white,		aine eon			• • • • • • • • • • • • • • • • • • • •	k or larger S	olvav chun	ke in hottom 7	inches of	core mo	thhall o	dor
		ic, con to	modium ouii	, grayion wines,	one into gr	umo, com		aon oan	a, 1 mon tino	it of larger o	oway ona	io iii bottoiii 7		00.0, mo	i iodii o	301.
OL-VC-10088	8/24/2006	15:20	1117764.5	925722.1	9.3	362.4	353.1	SOIL	SEDIMENT	~	1	20	19.9		0	
Comments:																
Upper depth (ft):	0	Lower de	<i>pth (ft):</i> 3.	3 USCS:	SOLW		PID:	0	Jerome:							
Sample Descripti	on: We	t, soft, gr	ray, silt like g	rains, trace fine	sand, mo	thball od	lor.									



Relinquished:			Dat	e/Time:		Relinqu	iished: _			Date	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Dat	e/Time:		Receive	ed: _			Date	/Time:	We	eather:			
Location ID	Date	Time	Northing	j Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	3.3	Lower dep	oth (ft):	6.6 <i>USC</i>	CS: SOLW		PID:	0	Jerome:			•				
Sample Description	: We	et, soft to	medium sti	ff, gray green,	silt like grai	ns, trace	fine sand	, mothba	all odor.							
Upper depth (ft):		_	oth (ft):		S: SOLW		PID:		Jerome:							
Sample Description	: We	et, soft, gr	ay green, s	ilt like grains, l	little fine saı	nd, trace	organics,	mothba	ll odor.							
Upper depth (ft):	6.6	Lower de _l	oth (ft):	9.9 <i>USC</i>	CS: SOLW		PID:	0	Jerome:							
Sample Description	: We	et, soft, gr	ay green, s	ilt like grains, l	little fine sa	nd, trace	organics,	mothba	ll odor.							
Upper depth (ft):	9.9	Lower dep	oth (ft):	13.2 <i>USC</i>	CS: SOLW		PID:	0	Jerome:							
Sample Description	: We	et, soft to	medium sti	ff, gray green,	silt like grai	ns, black	coal like	organics	at 10 inches	s, mothball o	dor.					
Upper depth (ft):	13.2	Lower de _l	oth (ft):	16.5 <i>USC</i>	CS: SOLW		PID:	0	Jerome:							
Sample Description	· We	et, soft to	medium sti	ff, gray to gray	green, silt	ike grain	s, trace fir	ne sand,	trace organi	cs, mothball	odor.					

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date,	/Time:	w	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jeromo
Upper depth (ft):	16.5	Lower de	pth (ft): 19.8	B USCS:	SOLW	•	PID:	0	Jerome:		•	•				•
Sample Description	<i>n:</i> We	t, soft, gr	ray green, silt l	ike grains, trad	ce fine sa	nd, trace	organics	s, mothba	all odor.							
OL-VC-10089	8/22/2006	16:40	1117288.4	925742.9	5.8	362.4	356.6	SOIL	SEDIMENT	✓	1	20	19.7		0	
Comments:																
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	SOLW		PID:	1.9	Jerome:							
Sample Description			es is wet, soft, and, 1 inch thic						d and gravel,	trace organi	cs. Rest of	core is wet, r	nedium stif	f, gray, si	It like g	rains,
Upper depth (ft):	3.3	Lower de	pth (ft): 6.6	USCS:	SOLW		PID:	1.9	Jerome:							
Sample Description			rayish white, si			sand, tra			_							
Upper depth (ft): Sample Description		<i>Lower de</i> t, soft, br	<i>pth (ft):</i> 9.9 right green, silt		SOLW ace fine s	and, mot		1.5 or.	Jerome:							
Upper depth (ft): Sample Description		<i>Lower de</i> t, soft, br	<i>pth (ft):</i> 13.2		SOLW ace fine s	and, mot		1.2 or.	Jerome:							



Relinquished:			Da	te/Tin	ne:		Relinqui	ished: _			Date/	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Da	ite/Tin	ne:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northi	ng	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):		Lower de _l	• /	16.5	USCS:			PID:	1.2	Jerome:							
Sample Description	u: We	t, soft, br	ight greer	ı, silt lil	ke grains, tra	ce fine s	and, sma	all pin size	ed NAPL	globule at 1	7 inches, mo	thball odoi	r.				
Upper depth (ft):	16.5	I owen der	oth (ft):	10.7	USCS:	SOI W		PID:	0.7	Jerome:							
Opper aepin (ji): Sample Descriptioi					ke grains, tra		and mot			jerome:							
sample Description	. 110	ι, σοιι, σι	igini gicci	1, 0111 111	no gramo, tra	.00 11110 0	ana, mon	ribali odo									
OL-VC-10090	8/20/2006	09:48	1118132	2.3	925905.2	23.7	362.5	338.8	SOIL	SEDIMENT	V	1	20	20.1		0	
Comments:																	
			J (0)	0.0	******				4.0								
Upper depth (ft): Sample Description		Lower dep	<i>oth (ft):</i> ack, SILT	3.3	USCS:	ML		PID:	4.2	Jerome:							
sampte Description	ı. we	i, Suit, Die	ack, SILI	•													
Upper depth (ft):	3.3	Lower de	nth (ft)·	6.6	USCS:	MI		PID:	19.8	Jerome:							
Sample Description		•	ack to gra					112.	10.0	gerome.							
T 1 (70)	0.0		4 (6)	0.0	VICC.	COLW		DIE	10.1								
Upper depth (ft):		Lower dep	• /	9.9	USCS:		fine cons		12.4	Jerome:	d 00 inches	O E inah thi	iak ar amallar	Colvey ch	ınka fram	22 incl	ana ta
Sample Description		of core.	ay to Will	e gray	, siit like grall	is, iiace	iiie sallo	i, Diack U	เอบบเปล	uon at 10 and	u ZZ IIICHUS,	o.ə iricii (fii	ick or smaller	Julyay Chi	1110111 671111	JJ IIICI	162 (0

Vibracore Field Log

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	9.9	Lower de _l	pth (ft): 13.2	2 USCS:	SOLW		PID:	5.4	Jerome:			•		•		
Sample Description Upper depth (ft): Sample Description Upper depth (ft): Sample Description	13.2 13.2 We odo	Lower dep t, soft, gr r. Lower dep	ray green, silt l	Silight hydrocard USCS: ike grains, traces USCS:	SOLW ce fine sa	and moth	PID:	8.9 ation at 2	Jerome: 7 inches and Jerome:	29 inches, is	solated pin	sized NAPL ς	globules at	19.5 inch	es, mot	thball
		, 0	, 0		J	·					,		,			
OL-VC-10091	8/24/2006	11:50	1117683.1	925945.2	9.5	362.4	352.9	SOIL	SEDIMENT	V	1	20	19.8		0	
Comments:						•		•						•		
Upper depth (ft): Sample Descriptio		<i>Lower dep</i> t, soft, da	pth (ft): 3.3 ark gray to gra		SOLW like grain	s, trace f	<i>PID:</i> ine sand,	788 trace o	<i>Jerome:</i> rganics, blac	k discoloratio	on througho	out, mothball o	odor and sli	ght petro	leum lik	ce odor.
Upper depth (ft): Sample Descriptio	n: We		pth (ft): 6.6 hard to mediu le at 8 and 9 ir	m stiff, gray, si	•	ins, som	<i>PID:</i> e to little		Jerome: ne sand, hard	I 1 inch thick	Solvay chu	unks from 13 t	o 29 inche	s, small 1	I/8 in is	olated

QEA

Quantitative Environmental Analysis, Luciacór

Vibracore Field Log

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	/Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date,	/Time:	w	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	6.6	Lower de	pth (ft): 9.9	USCS:	SOLW		PID:	28.3	Jerome:		•					
Sample Descriptio			ayish white, sil	It like grains, t	trace fine	sand, tra	ce organ	ics, blac	k discoloration	on at bottom	of core, mo	othball odor.				
		, , ,	,	9 ,		•	J	,			•					
Upper depth (ft):	9.9	Lower de	<i>pth (ft):</i> 13.2	USCS:	SOLW		PID:	12.5	Jerome:							
Sample Descriptio	n: We	t, soft, gr	ay to green, si	lt like grains, l	little to tra	ce fine sa	and, sma	ıll pin siz	ed NAPL glo	bule at 4 inc	hes, mothb	all odor.				
T. T. (C)	40.0		at (6) 40.5	TIG CC	001144		nrn	40.0								
Upper depth (ft):					SOLW			12.6	Jerome:							
Sample Descriptio	n: We	t, soft, gr	een, silt like gr	ains, trace fin	ne sand, tr	ace orga	inics, mo	thball od	or.							
Upper depth (ft):	16.5	I ower de	nth (ft) 19 6	uscs.	SOLW		PID:	25.3	Jerome:							
Opper aepin (ji). Sample Descriptio			een, silt like gr			ooo oraa			_							
<i>Sample Descripilo</i>	n: we	ı, son, gr	een, siit like gr	ams, trace im	ie sand, tr	ace orga	mics, mo	iribali od	Or.							
OL-VC-10092	8/23/2006	09:33	1117470.8	925874.7	7.7	362.3	354.6	SOIL	SEDIMENT		1	20	19		0	
OL VO 10032	0/20/2000	05.00	1117470.0	323074.7		552.5	00.110			✓	l	20	13		U	
Comments: Har	d from 2 to 5 fe	eet.														
T. I (1 (2))	0		d (6) 0.0	TIG CC	COLW		nre									
Upper depth (ft):	U	Lower de	pth (ft): 3.3	USCS:	SOLW		PID:	2	Jerome:							

Wet, soft to very hard, gray, silt like grains, some black fine sand, 1 inch thick Solvay chunks throughout, trace organics, mothball odor.

OLEA Quantitative Environmental Analysis, LLC

Sample Description:

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	any: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	3.3	Lower de _l	<i>pth (ft):</i> 6.6	USCS:	SOLW		PID:	1.9	Jerome:			•				
Sample Descriptio	n: We	t, soft to	medium stiff, g	reen, silt like	grains, tra	ace fine s	sand, 1 in	ch thick	Solvay chun	ks in bottom	of core, m	othball odor.				
Upper depth (ft):	6.6	I ower de	pth (ft): 9.9	USCS.	SOLW		PID:	4.5	Jerome:							
Sample Descriptio		•	rayish white to			ce fine s			-	of core, mot	hball odor.					
Upper depth (ft):		•	<i>pth (ft):</i> 13.2		SOLW		PID:		Jerome:							
Sample Descriptio	n: We	t, soft, gr	ray, silt like gra	ins, some fine	sand to t	race fine	e sand, tra	ace orga	inics, mothba	all odor.						
Upper depth (ft):	13.2	Lower de	<i>pth (ft):</i> 16.5	USCS:	SOLW		PID:	1.5	Jerome:							
Sample Descriptio	n: We	t, soft, gr	ray, silt like gra	ins, trace fine	sand, trad	ce organ	ics, moth	ball odo	r.							
** * * **	10.5			******	001114		nvn	4.0	_							
Upper depth (ft): Sample Descriptio		•	<i>pth (ft):</i>		SOLW sand, trad	ce organ	PID: ics. moth		Jerome: r.							
Sumpre Descriptio		.,, 9.	, 9			9	,									
OL-VC-10093	8/22/2006	14:20	1116983.5	925873.5	3.9	362.4	358.5	SOIL	SEDIMENT	✓	1	20	19.8		0	
Comments:																



Relinquished:			Da	ate/Tim	ne:		Relinqu	ished: _			Date	Time:	Sa	mpler: <u>1</u>	_ Compa	any: <u>1</u>	
Received:			Da	ate/Tim	ne:		Receive	d: _			Date,	/Time:	We	eather:			
Location ID	Dat	te Time	Northi	ng	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jeroi
Upper depth (ft):	0	Lower de	epth (ft):	3.3	USCS:	SOLW		PID:	2.4	Jerome:							
Sample Descript	ion:	Wet, soft, g	rayish whi	ite to lig	ht green, sil	t like grai	ins, some	to trace	fine san	d, trace orga	anics at top o	f core, mot	hball odor.				
Upper depth (ft): Sample Descript			1 0 /	6.6 ite, silt l	USCS: like grains, tr		sand, trad		13.4 cs, brow	<i>Jerome:</i> ⁄n discolorat	ion at 32.5 in	ches, moth	ıball odor.				
Upper depth (ft):	6.6	Lower de	epth (ft):	9.9	USCS:	SOLW.		PID:	19	Jerome:							
Sample Descript			rayish whi	ite, silt l			sand, dar					organics at	9 inches, 1 in	ch thick So	olvay chu	nks	
Upper depth (ft):	9.9	Lower de	onth (ft):	13.2	USCS:	SOI W		PID:	10.2	Jerome:							
Sample Descript			1 0,		like grains, tr		sand, mo			Jerome.							
Upper depth (ft): Sample Descript	9.9	Lower de	epth (ft):	13.2	USCS:	SOLW		PID:	10.2	Jerome:							

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	Time:	Sa	mpler: 1	_ Compar	ıy: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date,	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):		Lower de _l	oth (ft): 16.5 ayish white, si		SOLW		PID:	0.9	Jerome:	•	•		•			
Sample Descriptio Upper depth (ft): Sample Descriptio	16.5	Lower de _l	•	3 USCS:	SOLW	·	PID:	2.9	<i>Jerome:</i> ck to dark gr	ay, petroleun	n like odor.	Rest of core	has mothb	all odor.		
OL-VC-10094	8/15/2006	11:40	1116632.3	925868.4	2	362.4	360.4	SOIL	SEDIMENT	~	1	20	19.8		0	
Comments: Thir	top crust (Top	section 6)										•	•			
L	0	Lower de	oth (ft): 3.3	USCS:	SOLW		PID:	0	Jerome:							
Sample Descriptio			es wet, very so nd, trace clay, l							or smaller S	olvay chun	ks. Rest of co	re is dark (gray, wet, s	soft, S	ILT,
Upper depth (ft):	3.3	Lower de	oth (ft): 6.6	USCS:	ML		PID:	0	Jerome:							
Sample Descriptio			m stiff to soft, o strong petroleu		ack, SILT	, little find	d sand, s	ome cla	y, low plastic	ity, black fine	e grained s	aturated sand	lens at 28	inches, litt	le org	anics
Upper depth (ft):	6.6	Lower de _l	oth (ft): 9.9	USCS:	SOLW		PID:	0.2	Jerome:							
Sample Descriptio	<i>n:</i> 0 to	21 inche	es wet, soft, da ft, light gray to	0,0			fine sand	and clay	,	ity, petroleur	n like odor,	at 12 inches	grades to S	Solvay (ML	.), res	t of

Relinquished:			Date/T	ime:		Relinqui	ished: _			Date/	Time:	Sa	mpler: 1	_ Compa	any: <u>1</u>	
Received:	_	Receive	d: _			Date/	Time:	We	eather:							
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	9.9	Lower de _l	oth (ft): 13.2	USCS:	SOLW		PID:	0	Jerome:			•		•		
Sample Description Upper depth (ft): Sample Description Upper depth (ft): Sample Description	13.2 <i>n</i> : We	Lower dep t, soft, gr Lower dep	ay to grayish v	USCS: white, silt like g	SOLW grains, tra	ce fine sa	PID: and, Solv PID:	0 ray chun 3	Jerome: ks throughou Jerome:	ut, black disc		: 17 inches, m	othball odd	or.		
OL-VC-10095	8/19/2006	12:30	1118335.5	925974.7	28.2	362.3	334.1	SOIL	SEDIMENT	✓	1	20	19.1		0	
Comments:	3,10,200	12.00								V	·	20	10.1		ŭ	
Upper depth (ft):	0	Lower de _l	oth (ft): 3.3	USCS:	ML		PID:	0.2	Jerome:							
Sample Description			ft, black, SILT			clay, trac		-			ke odor.					
Upper depth (ft):		•	oth (ft): 6.6	USCS:		t - ta - 1000	PID:		Jerome:		Caralana C					
Sample Description	n: We	t, soft, bl	ack, SILT, little	to trace clay,	iow plast	icity, little	organics	s, petrol	eum like odo	r, light gray o	uscoloratio	n at 30 inches	S.			



Vibracore Field Log

Relinquished: _			Date/1	Time:		Relinqu	ished: _			Date	Time:	Sa	mpler: 1	Compa	any: <u>1</u>	
Received: _			Date/1	Time:		Receive	ed: _			Date	Time:	We	eather:			
				T	T	I						I	I_	ı		
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	6.6	Lower de	pth (ft): 9.9	USCS:	ML		PID:	5.6	Jerome:							
Sample Description	on: 0 to	29 inche		dark gray to b all odor.	lack, SILT	Γ, little cl	ay, trace	fine san	d, petroleum	like odor. Re	est of core	is gray green	, wet, soft, s	silt like g	rains, tra	ace
Upper depth (ft):	9.9	Lower de	pth (ft): 13.	2 USCS:	SOLW		PID:	2.4	Jerome:							
Sample Description				, grayish white wet, soft, silt,							aller Solvay	chunks in top	o of core, m	othball c	odor. Re	st of
Upper depth (ft):	13.2	Lower de	pth (ft): 16.	5 USCS:	SOLW		PID:	0	Jerome:							
Sample Description				ke grains, little		, bottom		-	• • • • • • •	k, trace orga	nics. Rest o	of core has m	othball and	petroleu	m like o	dor.
Upper depth (ft):	16.5	Lower de	<i>pth (ft):</i> 19.	6 USCS:	ML		PID:	2.2	Jerome:							
Sample Description	o n: We	t, soft, bl	ack, SILT and	CLAY, moder	ate plastic	city, trace	e organics	s, organi	ic odor.							
OL-VC-10095A	8/19/2006	12:45	1118333.9	925972.7	28.2	362.3	334.1	SOIL	SEDIMENT	✓	1	20	19.6		0	
Comments:																
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	ML		PID:	0.2	Jerome:							
Sample Descripti	on: We	t, very so	oft, black, SILT	, trace clay, tra	ace fine s	and, little	organics	s, organi	ic odor.							

QEA Quantitative Environmental Analysis, LLC

Relinquished:			Da	ate/Tin	ne:		Relinqu	ished: _			Date	Time:	Sa	mpler: <u>1</u>	_ Compa	any: <u>1</u>	
Received:			Da	ate/Tin	ne:	_	Receive	ed: _			Date	/Time:	We	eather:			
Location ID	Date	Time	Northi	ng	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jeroi
Upper depth (ft): 3	3.3	Lower de	oth (ft):	6.6	USCS:	ML		PID:	1.2	Jerome:							-
Sample Description: Upper depth (ft): 6		t, soft, bl Lower de		, trace (clay, slight p	etroleum SOLW	like odor	PID:	2.5	Jerome:							
Sample Description:	0 to		es is Wet				, slight pe		_	•	re is gray gre	en silt like	grains, little to	trace fine	sand, mo	othball	odor,
Upper depth (ft): 6	5.6	Lower de	oth (ft):	9.9	USCS:	SOLW		PID:	2.5	Jerome:							
Sample Description:		20 inche e organi		, soft, b	olack, SILT, t	race clay	, slight pe	etroleum	like odo	r. Rest of co	re is gray gre	en silt like	grains, little to	trace fine	sand, mo	othball	odor,
Upper depth (ft): 9	.9	Lower de	nth (ft):	13.2	USCS:	SOLW		PID:	2.1	Jerome:							
Sample Description:			0.7	_			ıs, trace f			•	aller Solvay	chunks thro	oughout, moth	ıball odor.			
Upper depth (ft): 1	3.2	Lower de	pth (ft):	16.5	USCS:	CL		PID:	1.4	Jerome:							
Sample Description:	We	t. soft. da	ark arav to	o black	. SILT. little t	to some o	clav. low i	plasticity.	trace or	ganics, petro	oleum like oc	for and slig	ht hvdrocarbo	n odor.			

Relinquished:			Date/1	Time:		Relinqu	ished: _			Date	/Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/1	Time:		Receive	ed: _			Date,	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	16.5	Lower de	<i>pth (ft):</i> 19.	1 USCS:	МН		PID:	1.8	Jerome:							
Sample Descriptio	<i>n:</i> We	t, soft, bl	ack, CLAY an	d SILT, moder	ate plasti	city, petro	oleum like	e odor, tr	ace organic	S.						
OL-VC-10096	8/24/2006	08:20	1117842.4	925984.7	15.4	362.4	347	SOIL	SEDIMENT	~	1	20	19.8		0	
Comments:				•								•				
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	ML		PID:	7.8	Jerome:							
Sample Descriptio	n: We	t, soft, bl	ack, SILT, sor	me to trace fine	e sand, tra	ace clay,	little orga	ınics, sm	nall isolated	pin sized NA	PL globule	at 8 inches, h	ydrocarbor	ı like odo	r.	
Upper depth (ft):	3.3	Lower de	<i>pth (ft):</i> 6.6	USCS:	SOLW		PID:	20.6	Jerome:							
Sample Descriptio	on: We		ark gray to gre	en to grayish v	white, silt	like grain	is, trace fi	ine sand	l, black disco	oloration at 2	1 inches wi	th fine sand n	nixed in, tra	ce organ	ics, mo	othball
Upper depth (ft):	6.6	Lower de	<i>pth (ft):</i> 9.9	USCS:	SOLW		PID:	1	Jerome:							
Sample Descriptio	n: We	t, soft, gr	ray, silt like gra	ains, trace fine	sand, tra	ce organ	ics, mothl	ball odoi	r.							
Upper depth (ft):	9.9	Lower de	<i>pth (ft):</i> 13.	2 USCS:	SOLW		PID:	2.5	Jerome:							
Sample Descriptio	n: We	t, hard to	soft, gray, sil	t like grains, tra	ace fine s	and, trac	e organic	s, mothb	oall odor.							



Vibracore Field Log

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:	_	Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft): Sample Description		Lower de _l	oth (ft): 13.2 soft, gray, silt		SOLW		PID:		Jerome:							
Upper depth (ft): Sample Description Upper depth (ft): Sample Description	13.2 <i>ii</i> n: Wet	Lower dep t, soft, gr Lower dep	oth (ft): 16.5 een, silt like gr	5 USCS: rains, trace fine	SOLW e sand, bl	lack disco	PID: oloration	0.6 at 16 inc 3.5	Jerome: ches, 20.5 inc Jerome:	·			:			
OL-VC-10096A	8/24/2006	08:55	1117840	925983.8	15.4	362.4	347	SOIL	SEDIMENT	✓	1	20	17.4		0	
Comments:							ı			•						ı
Upper depth (ft): Sample Description	n: Wet like	odor.	ack to dark gra		to trace fii	ne sand,	· ·	ınics, pir		ed NAPL glo	obules at 12	? inches, 20 ir	nches, and	24 inches	s, hydro	carbon
Upper depth (ft): Sample Description			oth (ft): 6.6 ack to dark gra		SOLW en, silt like	grains, t		10.5 anics, bla	Jerome: ack, fine, sar	nd seam at 3	4 inches to	36 inches, h	ydrocarbon	like odor	and m	othball

QEA

Quantitative Environmental Analysis, Luc

Vibracore Field Log

Relinquished: _			Date/1	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received: _			Date/T	ime:		Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft): Sample Descripti		Lower de		USCS: gray, silt like gr	SOLW	o fine ca	PID:		Jerome:	ıt emall nin e	rized NADI	alohules at 2	5 inches r	nothball (ndor	
Upper depth (ft): Sample Descripti	9.9	Lower de	<i>pth (ft):</i> 13.:		SOLW		PID:	1.9	Jerome:			- grobulob ut <u>-</u>			3001.	
Upper depth (ft): Sample Descripti				5 USCS: ike grains, trac	SOLW ce fine sa	nd, trace	<i>PID:</i> organics		Jerome: all odor.							
Upper depth (ft): Sample Descripti			pth (ft): 17.	4 USCS: ilt like grains, t	SOLW race fine	sand.	PID:	2.8	Jerome:							
OL-VC-10097	8/22/2006	09:15	1117273.4	926020.4	7.2	362.4	355.2	SOIL	SEDIMENT	✓	2	20	18.4		0	
Comments:																
Upper depth (ft): Sample Descripti		<i>Lower de</i> t, soft, gi		USCS:	SOLW sand, 1 to	1.5 inch	PID: thick So		Jerome:	out, mothball	odor.					

QUENTIFICATION OF THE PROPERTY OF THE PROPERTY

Relinquished:			Date/T	ime:		Relinqui	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:	_	Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):		Lower de _l			SOLW		PID:		Jerome:				•			
Sample Descriptio Upper depth (ft): Sample Descriptio	6.6	Lower de _l	ay, silt like gra oth (ft): 9.9 ay to gray gree	USCS:	SOLW		PID:	2.2	Jerome:			oall odor.				
Upper depth (ft): Sample Description		•	oth (ft): 13.2 een, silt like gr		SOLW e sand, bl	ack disco	PID:		Jerome: dium sand at	: 22 inches, r	nothball od	lor.				
Upper depth (ft): Sample Descriptio			oth (ft): 16.5 een to gray, si		SOLW race fine :	sand, dai	<i>PID:</i> rk green o		<i>Jerome:</i> ation at 15 in	ches, mothb	all odor.					
Upper depth (ft): Sample Descriptio		•	oth (ft): 18.4 ay, silt like gra		SOLW sand, bla	ck discol	PID: oration fr		Jerome: 13 inches, w	rith 0.5 inch	thick or sm	aller Solvay o	hunks thro	ughout.		
OL-VC-10097A	8/22/2006	09:40	1117275.1	926019.5	7.2	362.4	355.2	SOIL	SEDIMENT	✓	1	20	18.5		0	
Comments:					•			•					•			•



Relinquished:			Da	ate/Tir	me:		Relinqu	ished: _			Date	Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			Da	ate/Tir	me:	_	Receive	d: _			Date	/Time:	We	eather:			
Location ID	Date	Time	Northi	ng	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	0	Lower de	epth (ft):	3.3	USCS:	SOLW		PID:	5.1	Jerome:							
Sample Description					ns, trace fine	·	thball od										
Upper depth (ft): Sample Descriptio			epth (ft): ray green,		USCS: se grains, trac		nd, 1 inch	PID: n thick So		Jerome: unks through	out, mothba	l odor.					
Upper depth (ft):	6.6	Lower de	epth (ft):	9.9	USCS:	SOLW		PID:	11.5	Jerome:							
Sample Description	n:	Wet, soft, g	ray green,	silt lik	e grains, trac	e fine sa	nd, 1 inch	n thick So	lvay chu	unks through	out, mothba	l odor.					
Upper depth (ft):	9.9	Lower de	epth (ft):	13.2	USCS:	SOLW		PID:	2.6	Jerome:							
Sample Description	n:	Net, soft, g	reen, silt li	ke gra	ins, trace fine	e sand, tr	ace orga	nics, mot	hball od	or.							
Upper depth (ft):							o fino oo	PID:		Jerome:	dor						
Sample Description	n:	/v et, 5011, L	ingni greei	i to gra	ay, silt like gr	airis, trac	e iiile sai	iiu, iiace	organics	s, momban o	uui.						

Relinquished:			Date/	Time:		Relinqu	ished: _			Date	Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			Date/	Time:		Receive	ed: _			Date,	/Time:	w	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jeromo
Upper depth (ft):	16.5	Lower de	<i>pth (ft):</i> 18.	.5 USCS:	SOLW		PID:	3.6	Jerome:			•				
Sample Descriptio	n: We	t, soft, gr	ray, silt like gr	ains, trace fine	sand, da	rk gray d	iscoloratio	on from	7 to 10.5 inc	hes, trace or	ganics, mo	thball odor.				
OL-VC-10098	8/22/2006	10:10	1117287	926041.7	7.5	362.4	354.9	SOIL	SEDIMENT	✓	1	20	20		0	
Comments:	<u> </u>									<u>. </u>						
Upper depth (ft):	0	Lower de	<i>pth (ft):</i> 3.3	USCS:	SOLW		PID:	0	Jerome:							
Sample Descriptio	n: We	t, soft, gr	ray, silt like gr	ains, trace fine	sand, bo	ttom 2 in	ches of c	ore are t	olack to gray	, fine grained	l sand, mot	hball odor.				
Upper depth (ft):	3.3	Lower de	<i>pth (ft):</i> 6.6	USCS:	SOLW		PID:	5.5	Jerome:							
Sample Descriptio	<i>n:</i> 0 to	21 inche	es is wet, den	se, black, fine,	poorly so	orted SAN	ND, trace	organics	s. Rest of co	re is wet, sof	t, gray, silt	like grains, so	ome black fi	ine sand,	mothba	all odor.
Upper depth (ft): Sample Descriptio		<i>Lower de</i> t, gray, s		USCS: some black fin	SOLW e sand, n	nothball c		16.8	Jerome:							
Upper depth (ft): Sample Descriptio		<i>Lower de</i> , t, soft, gr		.2 <i>USCS:</i> ains, some bla	SOLW	ınd, moth	<i>PID:</i>		Jerome:							



Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	/Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date,	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	13.2	Lower de _l	<i>pth (ft):</i> 16.	USCS:	SOLW		PID:	5.6	Jerome:			•				
Sample Description	n: We	t, soft, gr	ray to gray gre	en, silt like gra	ins, trace	fine san	d, trace c	organics,	mothball od	or.						
Upper depth (ft):	16.5	Lower de	<i>pth (ft):</i> 19.8	B USCS.	SOLW		PID.	6.9	Jerome:							
Opper aepin (ji): Sample Descriptio		•	right green to g			o fino co			•							
Sumple Descripilo	n. VVC	ι, σοιι, οι	ngni green to g	iray, siit iike gi	airis, irac	e iiie sa	nu, nace	organic	s, motribali o	doi.						
			1	I	1					ı	1	1				
OL-VC-10099	8/22/2006	10:45	1117250.5	926020.2	7.2	362.5	355.3	SOIL	SEDIMENT	✓	1	20	19.9		0	
Comments:																
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	SOLW		PID:	3.5	Jerome:							
Sample Description	n: We	t, soft, gr	ray to gray gre	en, silt like gra	ins, trace	fine san	d, mothb	all odor.								
Upper depth (ft):		•	<i>pth (ft):</i> 6.6		SOLW	_		1.6	Jerome:							
Sample Description	n: We	t, soft, gr	ray to gray gre	en, silt like gra	uns, trace	fine san	d, mothb	all odor.								
Upper depth (ft):	6.6	Lower de _l	<i>pth (ft):</i> 9.9	USCS:	SOLW		PID:	2.5	Jerome:							
Sample Description	n: We	t, soft, gr	ray to gray gre	en, silt like gra	ins, moth	ball odor										

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:	_	Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	9.9	Lower de _l	pth (ft): 13.2	USCS:	SOLW		PID:	15.7	Jerome:			•				
Sample Description Upper depth (ft): Sample Description Upper depth (ft): Sample Description	13.2 <i>n</i> : We	Lower dep t, soft, gr Lower dep	een, silt like gr	USCS: rains, trace find	SOLW e sand, m SOLW	othball o	PID:	3.7	Jerome: Jerome: nch thick or	smaller Solva	ay chunks t	from 24 to 28	inches, mo	thball od	or.	
												_	1			
OL-VC-10100	8/22/2006	11:10	1117287.3	925996.8	7.3	362.4	355.1	SOIL	SEDIMENT	✓	1	20	19.1		0	
Comments:						•							•	•		
Upper depth (ft):	0	Lower de _l	pth (ft): 3.3	USCS:	SOLW		PID:	3.1	Jerome:							
Sample Description	n: We	t, soft, gr	ay, silt like gra	ins, trace fine	sand, fine	e sand se	eam 1/8 ii	nches th	ick at 8.5 inc	hes, 11.5 ind	ches, and 2	22 inches, mo	thball odor.			
Upper depth (ft):		_	oth (ft): 6.6		SOLW		PID:	4.8	Jerome:							
Sample Description	n: We	t, soft, gr	ay, silt like gra	ins, trace fine	sand, mo	thball od	lor.									



Relinquished: Date/Time:						Relinqu	ished: _			Date	Time:	Sa	mpler: 1	_ Compa	ıny: <u>1</u>	
Received:	eceived: Date/Time: _					Receive	d: _			Date,	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):		Lower de _l			SOLW		PID:	0.7	Jerome:		•					
Sample Descriptio Upper depth (ft): Sample Descriptio	6.6	Lower de _l	ray, silt like gra pth (ft): 9.9 ray, silt like gra	USCS:	SOLW		PID:	0.7	Jerome:							
Upper depth (ft): Sample Descriptio		•	pth (ft): 13.2 reen, silt like gr		SOLW e sand, b	lack disc	<i>PID:</i> oloration		Jerome: ches, mothba	all odor.						
Upper depth (ft): Sample Descriptio			pth (ft): 16.5 reen to gray gre		SOLW rains, trac	e fine sa	<i>PID:</i> nd, mothl		Jerome:							
Upper depth (ft): Sample Descriptio		_	pth (ft): 19.1 reen to gray, sil		SOLW race fine	sand, gra	<i>PID:</i> ading to s		Jerome: e sand, black	discoloratio	n at 32 and	d 33 inches, n	nothball odd	or.		
OL-VC-10101	8/20/2006	08:58	1117979	926082.6	21.1	362.5	341.4	SOIL	SEDIMENT	V	1	20	19.9		0	
Comments:																



Relinquished:				Dat	e/Time:			Relinqui	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:	Received:			Dat	e/Time:		_	Receive	d: _			Date/	Time:	We	eather:			
Location ID	Dat	e Tin	ne	Northing	, ,	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	0	Lowe	r depth	(ft):	3.3	USCS:	ML		PID:	8.9	Jerome:							•
Sample Description	n:	Wet, ver	y soft t	to soft, S	SILT, bla	ick.												
Upper depth (ft):	3.3	Lowe	r depth	(ft):	6.6	USCS:	ML		PID:	7.1	Jerome:							
Sample Description	n:					k, SILT, se hroughout		d. Rest of	core is w	et, soft,	green to gra	ayish white, ().5 inch thic	ck or smaller s	Solvay chur	nks throu	ghout,	
Upper depth (ft):	6.6	Lowe	r depth	(ft):	9.9	USCS:	SOLW		PID:	12.4	Jerome:							
Sample Description	n:	Wet, sof	t, grayi	ish white	e, silt like	e grains, tr	ace fine	sand, Sol	lvay chun	ks throu	ighout, mothl	ball odor.						
Upper depth (ft): Sample Description			r <i>depth</i> t, gray	• /	13.2 grayisł	<i>USCS:</i> n white, sil		ins, trace	PID:	_	Jerome: organics, bla	ck discolorat	ion from 3	to 5 inches, h	ydrocarbon	like odo	r.	
Upper depth (ft): Sample Descriptio	13.2		•	U -2-	16.5	USCS:		s mothh:	<i>PID:</i>		Jerome:	oft dark gray	/ silt like a	rains, and Sol	vav netrole	um like o	ndor an	d slight
Sample Description		mothball		-	,	,	g. a	-,				, gra	, , s g		, po		am	- Jg. It

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	/Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date,	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	16.5	Lower de _l	oth (ft): 19.8	B USCS:	ML		PID:	9.4	Jerome:			•				
Sample Description	on: We	t, soft, gr	ay, SILT, trace	e fine sand, bla	ack disco	loration a	at 2.5 inch	nes, sligh	nt hydrocarbo	on odor.						
OL-VC-10102	8/20/2006	07:55	1117485	926067.6	8.6	362.5	353.9	SOIL	SEDIMENT	V	1	20	17.2		0	
Comments:		•									•	•	•			
Upper depth (ft):	0	Lower dep	oth (ft): 3.3	USCS:	SOLW		PID:	0	Jerome:							
Sample Description	on: We	t, soft, lig	ıht gray, silt lik	e grains, trace	fine sand	d, Solvay	chunks t	througho	out.							
Upper depth (ft):	3.3	Lower de _l	pth (ft): 6.6	USCS:	SOLW		PID:	9.4	Jerome:							
Sample Description	on: We	t, soft, gr	ayish white to	gray green, si	It like gra	ins, trace	fine san	d, black	discoloration	at 16 inches	s, mothball	odor.				
Upper depth (ft):	6.6	Lower de _l	pth (ft): 9.9	USCS:	SOLW		PID:	6.3	Jerome:							
Sample Description	on: We	t, soft, gr	ay green, silt l	ike grains, trad	ce fine sa	nd, black	discolor	ations at	2 inches, 3	inches, and	31 inches,	mothball odor	•			
Upper depth (ft):	9.9	Lower de _l	pth (ft): 13.2	2 USCS:	SOLW		PID:	9.7	Jerome:							
Sample Description	on: We	t, soft, gr	ay green to gr	ayish white, si	It like gra	ins, trace	fine san	d, black	discoloration	at 10 inches	s, mothball	odor.				



Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	/Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:	eceived: Date/Time:									Date,	/Time:	w	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	13.2	Lower de _l	oth (ft): 16.5	USCS:	SOLW		PID:	5.8	Jerome:							
Sample Description	wet	t, soft gra	ayish white, silt	t like grains, tra	ace fine s	and, blad	k fine sa	ınd sean	n at 23 inche	s, mothball o	odor.					
Upper depth (ft):	16.5	Lower des	nth (ft): 17.2	P USCS:	SOLW		PID:	7	Jerome:							
Sample Description			ayish white, So			trace fin			_							
		.,, 3	, -		,		,									
OL-VC-10103	8/23/2006	08:15	1117084.3	926131.8	7.4	362.3	354.9	SOIL	SEDIMENT	V	1	20	19.1		0	
Comments:																
Upper depth (ft):	0	Lower de	oth (ft): 3.3	USCS:	SOLW		PID:	26	Jerome:							
Sample Description			ay, silt like gra			and, 1 inc		_	• • • • • • • • • • • • • • • • • • • •		all odor.					
		.,, 3	.,,			,		, -	3	,						
Upper depth (ft):	3.3	Lower de _l	oth (ft): 6.6	USCS:	SOLW		PID:	2.9	Jerome:							
Sample Description			ay, silt like gra		sand, lar	ge 4 inch	long Sol	vay chui	nk at 20 inch	es, mothball	odor.					
Upper depth (ft):			oth (ft): 9.9		SOLW		PID:	2.1	Jerome:							
Sample Description	n: Wet	t, soft, gr	een, silt like gr	ains, trace fine	e sand, m	othball o	dor.									

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	9.9	Lower de	pth (ft): 13.2	USCS:	SOLW	•	PID:	1	Jerome:							
Sample Description			ray green to da ball odor.	rk green, silt li	ike grains	, trace fir	ne sand, o	dark gra	y discoloratio	on throughou	t bottom ha	alf of core, N	APL stringe	r at 28 to	29	
Upper depth (ft): Sample Description	n: We	Lower dep t, soft, gr hball odd	reen to gray, si		SOLW race fine	sand, da	<i>PID:</i> rk gray di		Jerome: ion from 27 t	o 30 inches,	with 0.5 in	ch thick or sm	aller Solva	y chunks	within,	
Upper depth (ft): Sample Description		•	<i>pth (ft):</i> 18 hard, gray, silt		SOLW ace fine s	and, blac		14.6 ration fro	Jerome: om 3 to 5.5 in	nches, mothb	oall odor.					
OL-VC-10103A	8/23/2006	08:45	1117084.3	926131.8	7.4	362.3	354.9	SOIL	SEDIMENT	✓	1	20	18		0	
Comments:					•							•				
Upper depth (ft): Sample Description		<i>Lower dep</i> t, soft, da	pth (ft): 3.3 ark gray to gray		SOLW ns, some	black fine	PID: e sand, 0.	_	Jerome: hick Solvay o	chunks throug	ghout, moth	nball odor.				
Upper depth (ft): Sample Description		<i>Lower dep</i> t, soft to	<i>pth (ft):</i> 6.6 hard, gray, silt		SOLW ace fine s	and, mot	<i>PID:</i> hball odo		Jerome:							



Relinquished: Date/Time:						Relinqu	ished: _			Date	Time:	Sa	mpler: 1	Compa	any: <u>1</u>	
Received: Date/Time:						Receive	ed: _			Date,	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	6.6	Lower de _l	pth (ft): 9.9	USCS:	SOLW	•	PID:	2	Jerome:		•	•		•		
Sample Descriptio Upper depth (ft):	6.6	Lower dep	pth (ft): 9.9	USCS:	SOLW		PID:	2	Jerome:							
Sample Descriptio Upper depth (ft): Sample Descriptio	9.9	<i>Lower dep</i> t, soft, da	pht green to dai pth (ft): 13.2 ark green, silt li	2 USCS:	SOLW		PID:	0.7	Jerome:		5 inch thick	or smaller S	olvay chunk	ks throug	hout, m	ıothball
Upper depth (ft): Sample Descriptio		<i>Lower dep</i> t, soft, gr	pth (ft): 16.5 ray, silt like gra		SOLW sand, bla	.ck discol		1.3 rom 10 to	Jerome: o 12 inches,	mothball odd	or.					
Upper depth (ft): Sample Descriptio		•	<i>pth (ft):</i> 18 ay to dark gray		SOLW like grains	s, trace fi	<i>PID:</i> ine sand,		<i>Jerome:</i> um like odor a		core, black	discoloration	at 6 inches	s, slight n	nothball	odor.
OL-VC-10104	8/19/2006	15:38	1116687.1	926107.6	3.2	362.3	359.1	SOIL	SEDIMENT	~	1	20	19.8		0	
Comments:										<u> </u>	ı	ı	1			



Relinquished:			Da	ate/Tim	ie:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Da	ate/Tim	ie:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northi	ng	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	0	Lower de	pth (ft):	3.3	USCS:	Pt		PID:	1.6	Jerome:				•			
Sample Description	: \	Wet, soft, gr	ay, silt lik	e grains	s, trace fine	sand, 0.5	inch thic	ck Solvay	chunks	throughout,	mothball odd	or.					
Upper depth (ft):	2 2	Lower de	nth (ft).	6.6	USCS:	SOI W		PID:	1 1	Jerome:							
Opper aepin (ji): Sample Description							ball odor			•		ore is light	green, wet, so	oft. silt like	grains, tr	ace fine	e sand.
,		race organi			, g. s.	,		,				are to tight	g , ,	,	g		,
Upper depth (ft):	6.6	Lower de	pth (ft):	9.9	USCS:	SOLW		PID:	0.9	Jerome:							
Sample Description	: \	Wet, soft, gr	een, silt li	ike graiı	ns, trace fine	sand, m	othball o	dor.									
Upper depth (ft):		Lower de			USCS:				17.8	Jerome:							
Sample Description	: \	Wet, soft, gr	ay green,	SIIT IIKE	grains, trac	e fine sai	na, moth	ball odor.									
Upper depth (ft):	13.2	Lower de	pth (ft):	16.5	USCS:	ML		PID:	1.8	Jerome:							
Sample Description							lav trace	fine sand	d low to			oleum like	odor				

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft): Sample Descriptio	n: We		• /	3 USCS: ne clay, sewag		or, low to	PID: moderate	1.6 e plastic	Jerome: ity, tan disco	oloration in bo	ottom half c	of core, top ha	If has petro	oleum like	e odor,	bottom
OL-VC-10104A	8/19/2006	16:05	1116685.6	926107.1	3.2	362.3	359.1	SOIL	SEDIMENT	V	1	20	18.2		0	
Comments:					•					•						
Upper depth (ft): Sample Descriptio		Lower dep	• /	USCS: ins, trace fine	SOLW sand, tra	ce clay ir	PID:	0.9 of core,	Jerome: sewage like		thball odor.					
Upper depth (ft): Sample Descriptio		<i>Lower dep</i> t, soft, gra	• /	USCS: ike grains, trac	SOLW ce fine sa	nd, moth	<i>PID:</i> ball odor.		Jerome:							
Upper depth (ft): Sample Descriptio		•	oth (ft): 9.9 ay to gray gree	<i>USCS:</i> en, silt like gra	SOLW iins, trace	fine san	<i>PID:</i> d, mothba	_	Jerome:							
Upper depth (ft): Sample Descriptio	<i>n:</i> 0 to		• /	2 USCS: , soft, silt like g	SOLW grains, mo	othball oc	<i>PID:</i> dor. Rest		<i>Jerome:</i> s dark gray t	to black, SILT	Γ, little clay	to some clay	, slight petr	oleum lik	e odor	and



Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Ipper depth (ft):	13.2	Lower de _l	pth (ft): 16.5	USCS:	ML	•	PID:	1.4	Jerome:	•			•			
Sample Descriptio Ipper depth (ft): Sample Descriptio	16.5	Lower de _l	ack, SILT, son pth (ft): 18.2 ack and light b	2 USCS:	ML		PID:	1.2	Jerome:	·						
OL-VC-10105	8/22/2006	13:20	1116859.4	926187.2	5.6	362.4	356.8	SOIL	SEDIMENT	~	1	20	20		0	
Comments:							•			•						
Upper depth (ft):	0	Lower de _l	pth (ft): 3.3	USCS:	SOLW		PID:	1.2	Jerome:							
Sample Description		5 inches e, mothba	s is wet, soft, b all odor.	llue gray, silt li	ke grains	. Rest of	core is w	et, soft,	gray, silt like	grains, trace	e fine sand	, 1/2 inch thicl	k Solvay ch	iunks in l	ower ha	alf of
Upper depth (ft):	3.3	Lower de _l	pth (ft): 6.6	USCS:	SOLW		PID:	1.4	Jerome:							
Sample Description			m stiff to hard, at 37 inches, m							sand, 1/2 inch	n thick Solv	ay chunks thr	oughout, fi	ne to med	dium gı	rained
Upper depth (ft):	6.6	Lower de _l	pth (ft): 9.9	USCS:	SOLW		PID:	1.2	Jerome:							
Sample Description	n: Wet	t, soft, lig	ght green to gra	ay, silt like gra	ins, trace	fine sand	d, trace o	rganics,	mothball od	or. Depth int	ervals in th	ne photo are ir	ncorrect.			



Vibracore Field Log

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	d: _			Date,	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft): Sample Descriptio		Lower de _l	pth (ft): 13.2 ray green to gra		SOLW		PID:		Jerome:							
Upper depth (ft): Sample Descriptio Upper depth (ft): Sample Descriptio	n: Wei 16.5 <i>i</i> n: Wei	Lower de _l	rayish white to	green to black USCS:	ML		ace fine s	0.5	Jerome:	n like odor in					m like c	odor
OL-VC-10106	8/19/2006	14:40	1116498.4	926169.9	2.5	362.3	359.8	SOIL	SEDIMENT	V	1	20	17.5		0	
Comments:																
Upper depth (ft): Sample Descriptio	<i>n:</i> 0 to		es is wet, soft, and, mothball of	gray, SILT, litt	SOLW tle fine sa	nd, orgar	PID: nic odor,		Jerome: e sand seam		nes. Rest o	f core is wet,	soft, gray g	reen, silt	like gra	ins,
Upper depth (ft): Sample Descriptio	<i>n:</i> 0 to		pth (ft): 6.6 es is wet, soft, nothball odor a	grayish white,				1.6 and, mo	<i>Jerome:</i> thball odor. F		s dark gray	to black, SIL	T, some fir	e sand, s	some to	little

QEA

Quantitative Environmental Analysis, Luciacór

Vibracore Field Log

Relinquished: _			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	6.6	Lower de	pth (ft): 9.9	USCS:	ML		PID:	1.1	Jerome:							
Sample Description	on: We	t, soft, bl	ack, SILT, little	e to some clay	, trace fin	e sand th	roughou	t, moder	ate plasticity	, fine sand s	eam at 14 i	inches, trace	organics.			
Upper depth (ft): Sample Description		<i>Lower de_l</i> t, soft, bl	<i>pth (ft):</i> 13.2 ack, SILT, son			in top of		0.5 to mode	<i>Jerome:</i> erate plastici	ty, slight petr	roleum like	odor, organic	odor.			
Upper depth (ft): Sample Description			pth (ft): 16.5 medium stiff,			trace or	<i>PID:</i> ganics, m		Jerome:	ganic odor.						
Upper depth (ft): Sample Description		<i>Lower de</i> t, soft, to	pth (ft): 17.5 medium stiff,			trace or		0.4 noderate	Jerome: plasticity, or	ganic odor.						
OL-VC-10107	8/15/2006	10:35	1116313.7	926342.7	1.7	362.4	360.7	SOIL	SEDIMENT	✓	2	20	17.5		0.9	
Comments:																
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	ML		PID:	3.2	Jerome:							
Sample Description		3 inches	s is wet, loose,	black, fine gra	ain SANE	and SIL	T, some	grass a	nd rootlets. F	Rest of core i	s dark gray	, wet, very so	ft to soft, S	ILT, som	e clay,	trace

QUANTITATIVE Environmental Analysis, u

fine sand, black discoloration at 19 inches, Petroleum like odor.

Received:	
Location ID Date Time Northing Easting Water Depth (ft) Water (ft)	Refusal PID Jero
Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 3.2 Jerome:	
Sample Description: Wet, soft, dark gray to black, SILT, little clay, trace fine sand, black fine grained sand lenses 1/8 inch thick at 13.5 inches, 21.5 inches, a inches are black fine grained loose sand, petroleum like odor.	nd 27 inches, botton
Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: ML PID: 4.2 Jerome:	
Sample Description: Wet, soft, black to dark gray, SILT, some clay, trace fine sand, 1/2 inch thick black sand seam at top of core, trace organics, petroleum I	ke odor.
Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: ML PID: 4.2 Jerome: Sample Description: Wet, soft, black to dark gray, SILT, some clay, trace fine sand, 1/2 inch thick black sand seam at top of core, trace organics, petroleum l	ke odor.
Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: ML PID: 3.2 Jerome: Sample Description: Wet, soft, black to dark gray, SILT, some clay, low plasticity, trace wood, top half of core has petroleum like odor. Rest of core organic or	lor.
Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: ML PID: 0.1 Jerome: Sample Description: Wet, soft, black to dark gray to gray, SILT, some clay, low plasticity, trace organics, organic odor.	

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	/Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):		Lower dep	• -				PID:	0	Jerome:							
Sample Descriptio	<i>n:</i> We	t, soft, da	rk gray, SILT,	some clay, tra	ace fine s	and, low	plasticity	, organic	odor.							
OL-VC-20072	8/17/2006	08:15	1118947.4	922398.5	5	362.5	357.5	SOIL	SEDIMENT	V	1	20	19.8		0	
Comments:		<u> </u>														
Upper depth (ft):	0	Lower dep	oth (ft): 3.3	USCS:	SM		PID:	0.4	Jerome:							
Sample Descriptio	<i>n</i> : 0 to	•	is wet, loose,	black, fine gra	_	ND, trace		-	• • • • • • • • • • • • • • • • • • • •		ore is wet,	loose, fine sa	nd, some s	ilt, gray, t	race sl	nells,
Upper depth (ft):	3.3	Lower dep	oth (ft): 6.6	USCS:	SM		PID:	2.4	Jerome:							
Sample Descriptio	<i>n:</i> Top	6 inches	is wet, loose,	fine grained,	SAND an	id SILT. F	Rest of co	ore grade	es to wet, so	ft, gray, SILT	and fine S	AND, little sh	ells, sulfur	odor.		
Upper depth (ft):	6.6	Lower dep	oth (ft): 9.9	USCS:	SW		PID:	3.7	Jerome:							
Sample Descriptio	<i>n:</i> We	t, loose to	medium den	se, gray, fine ç	grained, S	SAND, litt	tle silt, tra	ce orga	nics, some s	hells, slow d	ilatancy, su	lfur odor, (MA	IRL).			
Upper depth (ft):	9.9	Lower dep	oth (ft): 13.2	2 USCS:	SM		PID:	2.7	Jerome:							
Sample Descriptio	<i>n</i> : 0 to	7 inches	, is moist, loo	se to medium trace shells, s	dense, gr		grained sa		•	shells. Rest o	of core is w	et, soft, gray,	SILT, some	e fine sar	ıd, trac	e clay



Relinquished:		Date/T	ime:		Relinqu	ished: _			Date	/Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:		Date/1	ime:		Receive	:d: _			Date,	/Time:	We	eather:			
Location ID Date	e Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft): 13.2	Lower d	<i>epth (ft):</i> 16.	USCS:	SM		PID:	0.9	Jerome:		•	•		•		
Sample Description:		nes is moist, so SILT, trace she				tle fine s	and, little	e silt, modera	ate plasticity,	little shells	s (ML). Rest o	f core is we	et, loose,	gray, fi	ne,
Upper depth (ft): 16.5	Lower d	epth (ft): 19.	B USCS:	SM		PID:	0.4	Jerome:							
Sample Description:		es is gray, wet, v, wet, soft, SIL						s is wet, loos	se, gray, sand	d, some silt	t, sulfur odor,	red organic	s at 18 ir	nches.	Rest of
OL-VC-20073 8/17/2	006 11:25	1119022.7	922653.3	22.9	362.5	339.6	SOIL	SEDIMENT	✓	1	20	19.3		0	
Comments:	•				1					•	•	•			
Upper depth (ft): 0	Lower d	epth (ft): 3.3	USCS:	ML		PID:	0	Jerome:							
Sample Description:	0 to 27 inch	ies is wet, very	soft, black, SI	LT, petrol	leum like	odor, tra	ice fine s	and. Rest of	core is light	gray.					
Upper depth (ft): 3.3 Sample Description:	Lower d Wet, very s	epth (ft): 6.6 oft, dark gray,	USCS: SILT, trace fine		ottom 6 in		3.6 black, pe	<i>Jerome:</i> etroleum like							
Upper depth (ft): 6.6 Sample Description:	Lower d	epth (ft): 9.9 oft, dark gray to	USCS:		cand tra	PID:		Jerome:							



Relinquished: _			Date/T	ime:		Relinqui	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	#	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	9.9	Lower de _l	pth (ft): 13.2	2 USCS:	` .	()	PID:	0	Jerome:		Attempts	. ,	()			
Sample Description	<i>n</i> : 0 to	9 inches	s is wet, soft, b	lack, SILT, su	lfur odor ((ML). Res	st of core	is moist	t, soft, gray,	CLAY, trace	shells, sulf	ur odor, (MAF	RL).			
Upper depth (ft):	13.2	Lower de	oth (ft): 16.5	5 USCS:	CL		PID:	0	Jerome:							
Sample Description			medium stiff,			plasticity			_	hells, sulfur o	odor, (MAR	L).				
Upper depth (ft):	13.2	Lower dei	pth (ft): 16.5	5 USCS:	CL		PID:	0	Jerome:							
Sample Description			medium stiff,			plasticity			_	hells, sulfur o	odor, (MAR	L).				
Upper depth (ft):	16.5	Lower de _l	oth (ft): 19.3	3 USCS:	CI		PID:	0	Jerome:							
Sample Description		•	um stiff to soft,			g to some			_	(MARL).						
							•				ı		ı		•	
OL-VC-20074	8/17/2006	15:40	1118876.3	922807.7	23.5	362.4	338.9	SOIL	SEDIMENT	✓	2	20	18.1		0	
Comments:																
Upper depth (ft):	0	Lower dep	pth (ft): 3.3	USCS:	ML		PID:	0.6	Jerome:							
Sample Description	n: We	t, very so	oft, black, SILT	, trace fine sar	nd, petrole	eum like	odor.									



Relinquished: Date/Time:						Relinqu	ished: _			Date/	/Time:	Sa	mpler: 1	_ Compa	any: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	3.3	Lower de _l	pth (ft): 6.6	USCS:	ML		PID:	4.1	Jerome:							
Sample Descriptio Upper depth (ft): Sample Descriptio	6.6	Lower de _l	oft to soft, black opth (ft): 9.9 oft to soft, light	USCS:	ML		PID:	0.8	Jerome:		nd, petroleı	um like odor.				
Upper depth (ft): Sample Descriptio		<i>Lower dep</i> ist, soft to	<pre>pth (ft): 13.2 o medium stiff,</pre>			itle silt, n		0.5 plasticity	<i>Jerome:</i> y, trace shells		r, (MARL).					
Upper depth (ft): Sample Descriptio		<i>Lower dep</i> ist, soft to	pth (ft): 16.5 o medium stiff,			ttle silt, n	PID: moderate		Jerome: y, trace shells		r, (MARL).					
Upper depth (ft): Sample Descriptio		<i>Lower dep</i> ist, soft to	pth (ft): 18.1 o medium stiff,			ttle silt, n	PID: moderate		<i>Jerome:</i> y, trace shells		r, (MARL).					
OL-VC-20075	8/17/2006	09:00	1118763.6	922723.1	19.7	362.4	342.7	SOIL	SEDIMENT	✓	1	20	17.2		5	
Comments:												1		<u> </u>	<u> </u>	



Relinquished: _				□	ate/Ti	ime:		Relinqu	ished: _			Date	/Time:	Sa	mpler: 1	_ Compa	any: <u>1</u>	
Received: _				D	ate/Ti	ime:		Receive	ed: _			Date	/Time:	w	eather:			
Location ID	Da	ıte	Time	North	ing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jero
Upper depth (ft):	0	1	Lower de _l	pth (ft):	3.3	USCS:	ML		PID:	0.4	Jerome:	•	•	•				
Sample Description	on:	Wet	, very sc	oft, black	, SILT	, trace fine sa	nd, petrol	eum like	odor, spo	otty rainl	oow sheen o	n sediment.						
Upper depth (ft): Sample Description	3.3 on:	0 to		es is blac		USCS: ding to dark gr ne sand, moth			<i>PID:</i> 「, trace fin	-	<i>Jerome:</i> trace organi		troleum like	e odor. Rest o	f core is da	ark gray to	o gray,	wet,
Upper depth (ft):	6.6	1	Lower de _l	pth (ft):	9.9	USCS:	ML		PID:	0.9	Jerome:							
Sample Description	on:					grading to blac ay, low plastic						e fine sand.	Rest of cor	e is wet, soft,	black, SIL	Γ, trace fi	ne sand	t
Upper depth (ft):	6.6	1	Lower de _l	pth (ft):	9.9	USCS:	ML		PID:	0.9	Jerome:							
Sample Description	on:					grading to blac ay, low plastic						e fine sand.	Rest of cor	e is wet, soft,	black, SIL	Γ, trace fi	ne sand	Ł
Upper depth (ft):	9.9	1	Lower de	pth (ft):	13.2	uscs:	CL		PID:	0.2	Jerome:							
Sample Description	on:	Тор	1.5 inch	es is bla	ck. Re	est of core is g	ıray, mois	st, soft, m	nedium st	iff, CLA	Y, some silt,	trace shells,	sulfur odor	(MARL).				

Relinquished:			Date/1	Time:		Relinqu	ished: _			Date	/Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/1	Time:		Receive	ed: _			Date,	/Time:	w	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	13.2	Lower de	<i>pth (ft):</i> 16.	5 USCS:	CL		PID:	0.4	Jerome:			•				
Sample Description	<i>n:</i> Moi	st, soft, (gray, CLAY, s	ome to little sil	t, modera	te plastic	ity, trace	shells, a	a half inch di	ameter fine s	and pocke	t at 1 inch, su	lfur odor, (N	ЛARL).		
Upper depth (ft):	16.5	Lower de	<i>pth (ft):</i> 17.	2 USCS:	CL		PID:	0.3	Jerome:							
Sample Description	<i>n:</i> Moi	st, soft, (gray, CLAY, s	ome to little sil	t, modera	te plastic	ity, trace	shells, a	a half inch di	ameter fine s	and pocke	t at 1 inch, su	lfur odor, (N	ЛARL).		
OL-VC-20076	8/17/2006	16:48	1118721.4	923011.6	27.5	362.8	335.3	SOIL	SEDIMENT	✓	1	20	19.7		0	
Comments: Hyd	rocarbon like o	odor in top s	section.													
Upper depth (ft):	0 .	Lower de	pth (ft): 3.3	USCS:	ML		PID:	0.1	Jerome:							
Sample Description	n: We	t, soft, bl	ack, SILT, tra	ce fine sand, p	etroleum	like odor										
Upper depth (ft):		Lower de						0.1	Jerome:							
Sample Description	<i>n:</i> We	t, soft, bl	ack, SILT, tra	ce fine sand, p	etroleum	like odor										
Upper depth (ft):		Lower de				T		0.1	Jerome:		.			- OLAY		C
Sample Description				black to dark				•		(IVIL). Hest o	t core is we	et, soft, modei	rate plastici	ty, CLAY	, trace	īine



elinquished: Date/Time:						Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:	_	Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	9.9	Lower de _l	oth (ft): 13.2	USCS:	CL	•	PID:	0.1	Jerome:							
Sample Description	n: We	t, soft, gr	ay, CLAY, trac	e fine silt, blad	ck organic	c discolor	ations, tr	ace orga	anics through	nout, (MARL)						
Upper depth (ft): Sample Description Upper depth (ft): Sample Description	n: We	t, soft, gr Lower de _l	ay, CLAY, trac	e fine silt, blace use silt, blace uses:	ck organio	c discolor	<i>PID:</i> rations, tr	ace orga 0 race orga	Jerome: anics through	nout, (MARL)						
OL-VC-20077	8/17/2006	10:10	1118596.5	922898.4	21.2	362.4	341.2	SOIL	SEDIMENT	✓	1	20	17.3		0	
Comments:					•								•			
Upper depth (ft):	0	Lower de _l	pth (ft): 3.3	USCS:	ML		PID:	0	Jerome:							
Sample Description	n: We	t, very so	oft, black, SILT	, trace fine sar	nd, trace	organics,	petroleu	m like o	dor.							
Upper depth (ft):	3.3	Lower de _l	oth (ft): 6.6	USCS:	ML		PID:	0	Jerome:							
Sample Description	n: We	t, very so	ft, black, SILT	trace fine sar	nd, dark g	ray disco	oloration	from 30	inches to 34	inches, trace	e organics,	petroleum like	e odor.			



Vibracore Field Log

Relinquished: _			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received: _			Date/T	ime:		Receive	ed: _			Date/	Time:	w	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):		Lower de	• /	USCS:			PID:		Jerome:		6.					
Sample Description Upper depth (ft): Sample Description	9.9	Lower de _l	ack to dark gra oth (ft): 13.2 s is wet, soft, b	2 USCS:	CL		PID:	0	Jerome:							ЛARL).
Upper depth (ft): Sample Description		<i>Lower de</i> st, mediu	pth (ft): 16.5 um stiff to soft,			moderat	PID: te plasticit		Jerome: shells, slight		(MARL).					
Upper depth (ft): Sample Description			<i>oth (ft):</i> 17.3 gray, CLAY, so			ght sulfu	<i>PID:</i> r odor, (M		Jerome:							
OL-VC-20078	8/17/2006	17:50	1118583.7	923175.9	26.6	362.5	335.9	SOIL	SEDIMENT	✓	1	20	19.8		0	
Comments:	-				-	-	-	-			-	-	-	-		
Upper depth (ft): Sample Description		Lower de t. soft. bl	pth (ft): 3.3 ack, SILT, trac			like odor	PID:	0.1	Jerome:							

QUENTIFICATION OF THE PROPERTY OF THE PROPERTY

Relinquished: Date/Time:						Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:	_	Receive	ed: _			Date/	Time:	w	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	3.3	Lower de _l	oth (ft): 6.6	USCS:	ML		PID:	3.6	Jerome:							•
Sample Description Upper depth (ft): Sample Description	6.6 <i>l</i>	Lower de _l	ay green to lig	USCS:	SOLW	, 0	PID:	0.5	Jerome:	,			chunks at 2	28 and 38	3 inches	5,
Upper depth (ft):	9.9	Lower de _l	oth (ft): 13.2	2 USCS:	SOLW		PID:	0.1	Jerome:							
Sample Description			es is wet, soft, f core is wet, s										trace fine sa	and, sligh	nt mothb	oall
Upper depth (ft): Sample Description		<i>Lower de</i> t, soft, da	oth (ft): 16.5 ark gray, CLAY			nells throu	<i>PID:</i> ughout, b		Jerome:	oughout, slig	ght sulfur o	dor, (MARL).				
Upper depth (ft): Sample Description			oth (ft): 19.8 ark gray, CLAY			nells throu	<i>PID:</i> ughout, b		<i>Jerome:</i> coloration thr	oughout, slig	ght sulfur o	dor, (MARL).				
OL-VC-20079	8/17/2006	13:10	1118448.3	923079.3	19.8	362.5	342.7	SOIL	SEDIMENT	✓	1	20	19.9		0.6	
Comments: Hyd	rocarbon like o	odor in top s	ection.			•	•					•		•		



Relinquished:	quished:				ne:		Relinqu	ished: _			Date	/Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			D	ate/Tin	ne:		Receive	ed: _			Date,	/Time:	We	eather:			
Location ID	Date	Time	Northi	ing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jeror
Upper depth (ft):	0	Lower de	pth (ft):	3.3	USCS:	ML		PID:	2.6	Jerome:					•		-
Sample Description	u: W	et, very so	oft, black	to dark	gray, SILT,	trace org	anics, pe	troleum li	ke odor.								
Upper depth (ft):	3.3	Lower de	pth (ft):	6.6	USCS:	SOLW		PID:	2.8	Jerome:							
Sample Description	<i>i:</i> 0	to 22 inche	es is wet,		oft, gray to gr , trace fine s					hick or small	er Solvay ch	unks at top	of core, moth	nball odor. I	Rest of co	ore is d	ark
Upper depth (ft): Sample Description		Lower de				SOLW s, trace fir	ne sand,	<i>PID:</i> 0.5 inch t		Jerome: smaller Solva	y chunks thr	oughout, m	othball odor.				
Upper depth (ft): Sample Description		Lower de		13.2 a. Rest o		SOLW e green,	wet, soft,	PID: silt like g		Jerome: ace fine sand		k or larger	Solvay chunk	s througho	ut, mothb	all odo	ır.
Upper depth (ft): Sample Description			es is wet,	•		•		<i>PID:</i> grains, tra		Jerome: sand, mothb	all odor. Res	st of core is	dark gray to	gray, medi	um stiff to	o soft, r	noist,

Relinquished:			Date/1	Time:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/1	Time:		Receive	d: _			Date/	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	16.5	Lower de _l	pth (ft): 19.	8 USCS:	CL	•	PID:	0	Jerome:		•	•				
Sample Description	<i>n:</i> Moi	st, mediı	um stiff, gray,	CLAY, little silt	t, trace sh	ells, trac	e organic	s, mode	rate plasticit	y, sulfur odoı	r, (MARL).					
OL-VC-20079A	8/17/2006	13:45	1118448.3	923079.3	19.8	362.5	342.7	SOIL	SEDIMENT	✓	1	20	19.9		0.6	
Comments: Hyd	rocarbon like o	odor in top s	section.	•								•				
Upper depth (ft): Sample Description		<i>Lower de</i> t, very so		USCS: T, trace fine sa		organics,	PID: light gra		Jerome: oration at 25		oleum like o	odor.				
Upper depth (ft):	3.3	Lower de	pth (ft): 6.6	USCS.	SOLW		PID:	0.3	Jerome:							
Sample Description	п: Тор	6 inches		olack, SILT, tra		and, petro			•		, wet, very	soft, silt like ç	grains, trace	e fine sar	ıd, NAF	PL
Upper depth (ft): Sample Description		•	<i>pth (ft):</i> 9.9 oft, gray green	USCS: , silt like grains	SOLW s, trace or	ganic fibe	<i>PID:</i> ers, smal		<i>Jerome:</i> d NAPL glob	ule at 35 inch	nes, mothb	all odor.				
Upper depth (ft): Sample Description		<i>Lower de</i> t, very so		<i>USCS:</i> , silt like grains	SOLW s, trace or	ganic fibe	<i>PID:</i> ers, smal	-	<i>Jerome:</i> d NAPL glob	ule at 35 inch	nes, mothb	all odor.				



Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	9.9	Lower de	pth (ft): 13.2	USCS:	SOLW	•	PID:	0.1	Jerome:							
Sample Description			ack to gray grent at 14 inches,			ke grains	, trace fin	e sand,	trace organio	es, 2 inch thic	ck Solvay c	hunks in botte	om half of c	ore, blac	:k	
Upper depth (ft):	13.2	Lower de	pth (ft): 16.5	USCS:	SOLW		PID:	0.2	Jerome:							
Sample Description Upper depth (ft): Sample Description	16.5	e is mois Lower de	es is wet, soft, t, medium stiff pth (ft): 19.8 um stiff, gray, (to stiff, gray, 0	ČLÁY, so	me silt, n	PID: ur odor, (I	plasticity 0.8 MARL).	y, trace shell			unks through	out, slight n	nothball o	odor. Re	est of
OL-VC-70016	8/19/2006	11:15	1118264.3	926210	26.7	362.3	335.6	SOIL	SEDIMENT	✓	2	20	19.2		8.1	
Comments: Vari	able PID due t	o weather.														
Upper depth (ft): Sample Descriptio Upper depth (ft):	n: We	Lower de _l t, very so	oft, black, SILT	USCS: , trace clay, tra	ace fine s	and, little	PID: e organics		Jerome: eum like odo	r.						
Sample Description		•	ack, SILT, trac			sand, litt			• • • • • • • • • • • • • • • • • • • •	eum like odor						



Relinquished: _			Date/T	ime:		Relinqui	ished: _			Date	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received: _			Date/T	ime:	_	Receive	d: _			Date,	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft): Sample Descripti		<i>Lower de_l</i>	pth (ft): 9.9 ack, SILT, trac	USCS: e fine sand to		sand, littl	<i>PID:</i> le clay, tr		Jerome:	eum like odoi	r.					
Upper depth (ft): Sample Descripti	9.9	Lower de _l		2 USCS:	ML		PID:	2.5	Jerome:			ganic odor.				
Upper depth (ft): Sample Descripti			pth (ft): 16.5 es is wet, soft,			Rest of o	PID:		Jerome: black, CLAY	and SILT, tr	ace fine sa	nd, moderate	plasticity, t	race orga	anics.	
Upper depth (ft): Sample Descripti			<i>pth (ft):</i> 19.2 ack, CLAY an			ticity, trac	<i>PID:</i> ce organic		<i>Jerome:</i> bleum like od	or.						
OL-VC-70017	8/19/2006	09:46	1117925.9	926250.8	20.3	362.2	341.9	SOIL	SEDIMENT	V	1	20	20		0	
Upper depth (ft): Sample Descripti		<i>Lower de</i> t, soft, bl	pth (ft): 3.3 ack, SILT, son	USCS:		throughou	<i>PID:</i> ut, gradin		<i>Jerome:</i> k gray, silt at	bottom of co	ore, petrole	um like odor.				



Relinquished: Date/Time:						Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received: Date/Time:						Receive	d: _			Date/	Time:	w	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft): Sample Description		Lower de	oth (ft): 6.6 es is wet, very		SOLW	o grav gre	<i>PID:</i>	4.9 ke grain	Jerome:	sand small 1	1/8 inch iso	lated NAPL o	lobule at 1	inch mo	thhall o	dor
sample Description			odor. Rest of										iobaic at 1	111011, 1110	iribaii o	uoi
Upper depth (ft): Sample Description	n: We		oth (ft): 9.9 off to soft, gray ation, mothball	green, silt like			<i>PID:</i> sand, da		Jerome: discoloration	from 15 to 2	2 inches, 0	.5 inch thick o	or smaller S	Solvay ch	unks wi	thin
Upper depth (ft): Sample Description		<i>Lower de</i> t, very sc	oth (ft): 13.2 oft, gray green,		SOLW , trace fin	ie sand ir	<i>PID:</i> n upper p		Jerome: ore, mothball	odor.						
Upper depth (ft): Sample Description		,	oth (ft): 16.5 off to soft, gray		SOLW sh white,	silt like ç	<i>PID:</i> grains, 0.5		Jerome: ick or smalle	r Solvay chu	nks in top	12 inches of c	core, trace f	ine sand	, mothb	all
Upper depth (ft): Sample Description		<i>Lower de</i> t, soft, da	<i>pth (ft):</i> 19.8 ark gray with b			ghout, SI	<i>PID:</i> LT, little t		Jerome: clay, low plas	sticity, petrole	eum like oc	dor.				
OL-VC-70018	8/18/2006	18:30	1117598.1	926309.2	16.2	362.2	346	SOIL	SEDIMENT	✓	1	20	19.6		0	
Comments:					-	-						-	-	-		-



Relinquished: _			D	ate/Tir	ne:		Relinqu	ished: _			Date	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			D	ate/Tir	me:	_	Receive	ed: _			Date,	/Time:	We	eather:			
Location ID	Date	Time	Northi	ng	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jeroi
Upper depth (ft):	0	Lower dep	oth (ft):	3.3	USCS:	ML	•	PID:	0.1	Jerome:		•				-	
Sample Descriptio	n: We	t, soft, to	very soft	t, dark	gray to black,	SILT, tra	ace clay,	trace fine	e sand, t	race organic	s, organic oc	dor and slig	ht hydrocarbo	n like odor			
Upper depth (ft): Sample Descriptio		<i>Lower dep</i> t, soft, bla	• /	6.6 rk gray	USCS:		d, little to	PID: trace cla		Jerome: asticity, petro	oleum and h	ydrocarbon	like odors, so	ome organi	c fibers th	nrougho	out.
Upper depth (ft):	3.3	Lower de <u>j</u>	oth (ft):	6.6	USCS:	ML		PID:	1.9	Jerome:							
Sample Descriptio		•	• /				d, little to			_	oleum and h	ydrocarbon	like odors, so	ome organi	c fibers th	nrougho	out.
Upper depth (ft): Sample Descriptio		<i>Lower dep</i> it, soft to v	• /	9.9 , dark g	<i>USCS:</i> gray, SILT, gra		dark gray	PID:		<i>Jerome:</i> olvay at 7 inc		arbon like o	dor and moth	ball odor, ti	race fine	sand.	
Upper depth (ft):	9.9	Lower dep	oth (ft):	13.2	USCS:	ML		PID:	0.7	Jerome:							
Sample Descriptio				_	gray, SILT, tra	•		-	ace coal	like fragmer	nts in bottom	of core, gra	ay brown, oil l	ike materia	al at 20, 2	1, and	22

Relinquished:		Date/T	ime:		Relinqui	ished: _			Date/	Time:	Sa	mpler: 1	Compa	any: <u>1</u>		
Received:	eceived: Date/Time:									Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	13.2	Lower de _l	pth (ft): 16.5	USCS:	ML		PID:	0.7	Jerome:		•	•	•	•		•
Sample Description			medium stiff, c nches, petrolei		ay, SILT,	trace cla	y in top o	of core, g	grading to so	me clay at bo	ottom of co	re, moderate	plasticity, tr	ace orga	inics, tra	ace
Upper depth (ft):	16.5	Lower de	oth (ft): 19.6	S USCS:	ML		PID:	0.6	Jerome:							
Sample Description		•	st, black, SILT,		oderate p	lasticity,			etroleum like	e odor.						
				•		-	·	•								
OL-VC-70019	8/18/2006	17:20	1117503.5	926562.2	11.8	362.3	350.5	SOIL	SEDIMENT	~	1	20	19		0.1	
Comments:					•	•										•
Upper depth (ft):	0	Lower dep	pth (ft): 3.3	USCS:	ML		PID:	0.2	Jerome:							
Sample Description	n: Wet	t, very so	oft to soft, black	k, SILT, little to	o trace fin	e sand, t	race clay	, hydroc	arbon like oc	dor in bottom	half of core	е.				
Upper depth (ft):	3.3	Lower dep	pth (ft): 6.6	USCS:	ML		PID:	0	Jerome:							
Sample Description	wet	t, soft, bla	ack, SILT, trac	e to some cla	y, trace fi	ne sand,	moderate	e plastic	ity, trace orga	anics, petrole	eum like od	or and slight	hydrocarbo	n odor.		
Upper depth (ft):	66	I ower de	oth (ft): 9.9	USCS:	MI		PID:	0	Jerome:							
Opper aepin (ji): Sample Descriptioi		•	ark gray to blac			v to mode			-	. petroleum li	ike odor, hv	/drocarbon lik	e odor.			
pic 2 coc. pilot		.,,	. 3, 2	, , , , , , , , , , , , , , , , , , , ,	,			,,		,	,,	, - >	- >==			



Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	d: _			Date/	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	9.9	Lower de	pth (ft): 13.2	USCS:	ML		PID:	0	Jerome:		•	•				
Sample Descriptio	n: Wet	t, soft, da	ark gray to blac	k, SILT, some	clay, low	to mode	erate plas	sticity, tra	ace organics	, petroleum l	ike odor, hy	ydrocarbon lik	e odor.			
Umman danth (ft).	12.2	I awar da		USCS:	MI		PID:	0	Jerome:							
Upper depth (ft):						_414			• • • • • • • • • • • • • • • • • • • •				lile adau			
Sample Description	n: we	to mois	t, soft, black, S	oit i, some cia	y, modera	ate piasti	city, fine	DIACK Sa	ind iens at 30	u inches, pet	roleum and	nyarocarbon	like odor.			
Upper depth (ft):	16.5	Lower de	pth (ft): 19	USCS:	CL		PID:	0	Jerome:							
Sample Description	n: Wet	to mois	t, soft, black, C	LAY and SIL	Γ, modera	ite plastic	city, gray	fine grai	ned sand ler	ns at 15.5 inc	hes, organ	ic odor.				
			1								1					
OL-VC-70020	8/18/2006	15:30	1117125.8	926516.6	9.8	362.2	352.4	SOIL	SEDIMENT	✓	1	20	19.2		0	
Comments: Hyd	rocarbon like c	dor in botto	om section.		<u>. </u>					•		•				
Upper depth (ft):	0	Lower de _l	pth (ft): 3.3	USCS:	ML		PID:	0	Jerome:							
Sample Descriptio	n: Wet	t, soft, bl	ack, SILT, little	clay, trace fir	ne sand, l	ow plasti	city, orga	nic odor	and slight p	etroleum like	odor.					
TT T (T (C))	0.0		a (6) C C	Maga	N A I		nrn	0								
Upper depth (ft):			pth (ft): 6.6	USCS:			PID:		Jerome:		t 00 ! - I-		تعلمت مالا			
Sample Description	n: VV e1	i, soit, bi	ack, SILT, little	e ciay, trace fir	ie sand, l	ow piasti	city, trace	e organio	s, light gray	discoloration	i at 23 inch	es, petroieum	ı iike odor.			



Vibracore Field Log

Relinquished: _			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received: _			Date/T	ime:	_	Receive	ed: _			Date/	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):		Lower de	. •	USCS:			PID:		Jerome:		_					
Sample Descripti Upper depth (ft): Sample Descripti Upper depth (ft): Sample Descripti	9.9 on: We	<i>Lower de_l</i> t, soft, gi <i>Lower de_l</i>	<pre>pth (ft): 13.3 ray to dark gra pth (ft): 16.5</pre>	y, SILT, some	ML to little cl	ay, low to	PID: o modera	0 te plasti	Jerome: city, trace org	ganics, petro	leum like o		troleum like	e odor.		
Upper depth (ft): Sample Descripti		Lower de,		2 USCS: ne clay, trace t					,		ım like odo	r.				
OL-VC-70021	8/18/2006	08:10	1117330.6	926381.7	12	362.3	350.3	SOIL	SEDIMENT	✓	1	20	20		0.1	
Comments:																
Upper depth (ft): Sample Descripti		<i>Lower de</i> t, soft, bl	. •	USCS: ay, CLAY, trac		nd, some	PID: organics		Jerome: arbon and pe		odor.					

QEA Quantitative Environmental Analysis, LLC

Relinquished: Date/Time:						Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	3.3	Lower de _l	oth (ft): 6.6	USCS:	ML		PID:	7.6	Jerome:				•			•
Sample Description			es is wet, soft, est of core is v													oleum
Upper depth (ft):	6.6	Lower de	oth (ft): 9.9	USCS:	SOLW		PID:	2.8	Jerome:							
Sample Description	n: Wet	t, soft, gr	ay to grayish v mothball odor.	vhite, silt like g		ce fine sa			•	globules at 1	2 inches, 1	-inch thick or	larger Solv	ay chunk	s in bot	ttom
Upper depth (ft):	9.9	Lower de	oth (ft): 13.2	2 USCS:	SOLW		PID:	2.5	Jerome:							
Sample Description		•	ay green to gr			fine san			_	slight mothba	all odor.					
Upper depth (ft):	13.2	Lower de	oth (ft): 16.5	5 USCS:	MI		PID:	28	Jerome:							
Sample Description		•	es is wet, soft,			ke grains			_	nothball odor	. Rest of co	ore is wet, sof	t, black, SII	_T, trace	organic	S.
Upper depth (ft): Sample Description		<i>Lower de_l</i> t, black, s	oth (ft): 19.8 soft, SILT, trac			trace orç	<i>PID:</i> ganics.	2.8	Jerome:							
OL-VC-70021A	8/18/2006	08:40	1117330	926379.5	12	362.3	350.3	SOIL	SEDIMENT	V	1	20	19.9		0.2	
Comments:										<u></u>	l	1	ı			



Relinquished:			D	ate/Tim	e:	_	Relinqu	ished: _			Date/	Time:	Sa	mpler: <u>1</u>	_ Compa	ny: <u>1</u>	
Received:			D	ate/Tim	e:	_	Receive	d: _			Date/	Time:	We	eather:			
Location ID	Dat	e Time	Northi	ing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	0	Lower de	epth (ft):	3.3	USCS:	ML	•	PID:	3.7	Jerome:			•				
Sample Description	n:	Wet, soft, b	lack, SIL ^T	Γ, trace f	fine sands, h	iydrocark	oon and p	etroleum	like odd	or.							
Upper depth (ft):	3.3	Lower de	epth (ft):	6.6	USCS:	ML		PID:	4.6	Jerome:							
			ark gray,	SILT, tra	ace fine sand	d, trace c	organics,	slight hyd	Irocarbo	n and petrole	eum like odo	rs.					
Upper depth (ft):	6.6	Lower de	epth (ft):	9.9	USCS:	SOLW		PID:	9.4	Jerome:							
Sample Description		, , ,	, ,	,	te, silt like g r and slight r	,		ands, 0.5	inch thic	ck or smaller	Solvay chur	nks at 4 inc	hes and 29 in	ches, NAP	L globule	s at 16	and 18
Upper depth (ft):	9.9	Lower de	epth (ft):	13.2	USCS:	SOLW		PID:	1.8	Jerome:							
Sample Description	Wet, soft, li	ght gray t	o gray, s	silt like grains	s, trace f	ine sands	s, slight h	ydrocark	oon and moth	nball like odd	or.						
Upper depth (ft):	13.2	Lower de	epth (ft):	16.5	USCS:	SOLW		PID:	1.9	Jerome:							
Sample Description					ay, silt like g etroleum lik						etroleum like	odor. Res	t of core is we	et, soft, blac	ck, silt like	grains	s, trace

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	16.5	Lower de _l	pth (ft): 19.8	3 USCS:	ML		PID:	3.5	Jerome:	•						
Sample Description	n: We	t, soft, bl	ack, SILT, trac	e fine sand, tr	ace orga	nics thro	ughout, sl	ight hyd	rocarbon and	d petroleum I	ike odors.					
OL-VC-70022	8/18/2006	16:20	1117172	926817.1	9.2	362.3	353.1	SOIL	SEDIMENT	✓	1	20	19.2		0	
Comments:	•	•					•					•	•			
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	ML		PID:	0	Jerome:							
Sample Description	n: We	t, very sc	oft to soft, dark	gray to black,	, SILT, tra	ace clay,	trace fine	sand, p	etroleum like	e odor and hy	drocarbon	like odor.				
Upper depth (ft):	3.3	Lower de	pth (ft): 6.6	USCS:	MI		PID:	0	Jerome:							
Sample Description		•	ack, SILT, son			y discolo					hydrocarb	on like odor.				
				·												
Upper depth (ft):		Lower de _l					PID:	-	Jerome:							
Sample Description		t to mois or in botto	t, black, soft, S om.	SILT, some cla	ay, trace o	organics,	petroleur	n like od	lor, bottom 4	inches is a f	ine sand, g	gravel and woo	od layer, st	rong petro	oleum I	ike
Upper depth (ft):	9.9	Lower de _l	pth (ft): 13.2	2 USCS:	ML		PID:	0	Jerome:							
Sample Description	n: We	t to mois	t, black, soft, S	SILT, some cla	ay, trace f	ine sand	, moderat	e plastic	city, fine sand	d and wood s	eam at 36	inches, slight	hydrocarbo	on like od	or.	



Vibracore Field Log

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	9.9	Lower de _l	pth (ft): 13.2	USCS:	ML		PID:	0	Jerome:			•				
Sample Description	n: Wet	to mois	t, black, soft, S	SILT, some cla	ıy, trace fi	ine sand,	moderat	e plastic	city, fine sand	d and wood s	eam at 36	inches, slight	hydrocarbo	n like od	or.	
Upper depth (ft): Sample Description Upper depth (ft): Sample Description	n: Wet	<i>Lower de</i> 3 inches	t, soft, black, C	CLAY and SILT USCS: black, silt and	T, slight p CL I fine san	d, trace c	PID: organics.	r, moder	Jerome:	, one inch lor				some sil	t, trace	shells,
							050.5	00"	OFPUATAT			T			_	
OL-VC-70023	8/18/2006	14:40	1116853.6	926348.6	5.9	362.4	356.5	SOIL	SEDIMENT	✓	1	20	19.5		0	
Comments:																
l Upper depth (ft): Sample Description		Lower de t, soft, da	pth (ft): 3.3 ark gray with b	USCS: lack organic di		on throug	<i>PID:</i> hout, SIL		Jerome: to trace clay,		and, petrole	um like odor a	and slight o	rganic od	dor.	
Upper depth (ft): Sample Description		<i>Lower de</i> t, soft, bl	pth (ft): 6.6 ack to dark gra			v to mode	<i>PID:</i> erate plas		<i>Jerome:</i> 16 inch thick		eam at 15 ii	nches, strong	petroleum	like odor		

QUENTIFICATION OF THE PROPERTY OF THE PROPERTY

Vibracore Field Log

Relinquished: _			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	_ Compa	any: <u>1</u>	
Received: _			Date/T	ime:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	6.6	Lower de	<i>pth (ft):</i> 9.9	USCS:	ML		PID:	2.5	Jerome:							
Sample Description Upper depth (ft): Sample Description Upper depth (ft): Sample Description	9.9 We peti	Lower de, t, soft, da roleum lil	ark gray, SILT, ke odor.	2 USCS: trace clay, gra	SOLW ading to g	ıray greel	PID: n, silt like PID:	0 grains a	Jerome: at 19 inches, Jerome:	small pin siz	ed NAPL g	llobules at 12	, mothball c	odor and		
Upper depth (ft): Sample Description		<i>Lower de</i> t, soft, bl	<i>pth (ft):</i> 19.5 ack, SILT, son			icity, trac	<i>PID:</i> e organic		<i>Jerome:</i> leum like odd							
OL-VC-70024	8/18/2006	11:55	1116858	926638.4	6.3	362.3	356	SOIL	SEDIMENT	V	1	20	18.5		0	
Comments: Hy	drocarbon like o	odor through	hout core.													
Upper depth (ft): Sample Description		Lower de 18 inche	pth (ft): 3.3 es is wet, soft,	USCS: dark gray to b		T and SA	<i>PID:</i> ND, petro		Jerome: ke odor (SM)		e is wet, so	ft, black, SIL1	Γ, little to tra	ace fine s	sand, tra	ace

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clay, petroleum like odor.

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	Time:	Sa	mpler: 1	_ Compa	any: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date,	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	3.3	Lower de _l	pth (ft): 6.6	USCS:	ML		PID:	1.1	Jerome:							
Sample Descriptio Upper depth (ft): Sample Descriptio Upper depth (ft):	6.6 <i>n</i> : We	Lower dep t, soft, bland	ack, SILT, trace pth (ft): 9.9 ack, dark gray, pth (ft): 13.2	USCS: , SILT, some c	ML clay, mod	erate pla	PID:	2.6 low plast	Jerome: ticity, petrole Jerome:							
Sample Descriptio Upper depth (ft): Sample Descriptio	13.2	Lower de _l	ack, SILT, som pth (ft): 16.5, black, soft, Si	5 USCS:	ML		PID:	0.9	Jerome:				um like odc	or.		
Upper depth (ft): Sample Descriptio			pth (ft): 18.5, black, soft, Si			ite plastic		0.1 organics	Jerome:							
OL-VC-70024A	8/18/2006	11:25	1116857.8	926641.2	6.3	362.3	356	SOIL	SEDIMENT	V	1	20	19		0	
Comments: Hyd	rocarbon like o	odor through	nout core.	<u> </u>							l	1				



Relinquished:			Date	e/Time:		Relinqu	ished: _			Date	/Time:	Sa	mpler: <u>1</u>	_ Compa	any: <u>1</u>	
Received:			Date	e/Time:		Receive	d: _			Date	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jeror
Upper depth (ft):	0	Lower de	pth (ft):	3.3 USCS	: ML		PID:	0.9	Jerome:	,						
Sample Description.	: We	t, soft, bl	ack, SILT, I	ittle fine sand, tr	ace organ	ics.										
Upper depth (ft):	3 3	I ower de	pth (ft): 6	6.6 USCS	• MI		PID:	11	Jerome:							
Sample Description.				gray, SILT, som		ce fine sa			• • • • • • • • • • • • • • • • • • • •		leum like o	dor.				
		, ,			•				, ,	7.1						
Upper depth (ft):	6.6	Lower de	pth (ft):	0.9 USCS	: ML		PID:	1.4	Jerome:							
Sample Description.	: We	t, soft, da	ark gray to b	plack to dark gra	y, SILT, s	ome clay	, trace fin	e sand i	n top half of	core, low pla	sticity, petr	roleum like od	or.			
Unn on donth (ft).	0.0	I aman da	4h (ft).	3.2 <i>USCS</i>	. MI		PID:	0.6	I awa wa a a							
Upper depth (ft): Sample Description.		<i>Lower de</i> et. soft. bl		ittle clay, low pla		ce organi			<i>Jerome:</i> e odor							
zampie z eseripioni		.,,	, 0,	o.a,, .o.v pic	,,		, po o									
Upper depth (ft):	13.2	Lower de	<i>pth (ft):</i> 1	16.5 <i>USCS</i>	: ML		PID:	0.2	Jerome:							
Sample Description.	: We	t, soft, bl	ack, SILT, s	some clay, mode	erate plast	icity, trac	e organic	s, 0.5 in	ch thick gray	y, fine graine	d, sand sea	am at 17 inche	es, petrolei	ım like od	dor.	

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	/Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/1	ime:	_	Receive	ed: _			Date,	/Time:	w	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jeromo
Upper depth (ft):	16.5	Lower de	<i>pth (ft):</i> 19	USCS:	ML		PID:	0.1	Jerome:	•		•	•			•
Sample Descriptio	n: We	t, soft, bl	lack, SILT, sor	ne clay, mode	rate plast	icity, trac	e organic	cs, coal l	ike fragment	s throughout	, petroleum	i like odor.				
OL-VC-70031	8/19/2006	08:48	1117865.5	926518	20.5	362.2	341.7	SOIL	SEDIMENT	✓	1	20	18.2		0	
Comments:		•								•	•	•				
Upper depth (ft): Sample Descriptio		<i>Lower de</i> t, very so	oft to soft, blace			e fine sar		0.1 nic odor.	Jerome:							
Upper depth (ft): Sample Descriptio			epth (ft): 6.6 lack, SILT, little			ganics, Ic		1.1 city, sligh	Jerome:							
Upper depth (ft): Sample Descriptio			epth (ft): 9.9 ark gray to blad			lay, low p		2.4 some or	<i>Jerome:</i> rganics, petro		dor.					
Upper depth (ft): Sample Descriptio		<i>Lower de</i> t to mois	epth (ft): 13.5			asticity to		1.4 e plastic	<i>Jerome:</i>		eum like oo	dor.				



Relinquished:			Date/T	me:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/T	me:		Receive	ed: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):		Lower dep					PID:	-	Jerome:							
Sample Description Upper depth (ft): Sample Description	16.5	Lower dep	ack with dark <u>c</u> oth (ft): 18.2 olack, CLAY ar	USCS:	CL	·	PID:	0	Jerome:	nike odor an	a siignt nyd	arocarbon oad	or.			
OL-VC-70032	8/18/2006	10:45	1117342.1	926402.5	12.4	362.3	349.9	SOIL	SEDIMENT	✓	1	20	20		0	
Comments: Hydi	ocarbon like o	odor in botto	om sections.		•							•				•
Upper depth (ft): Sample Description		<i>Lower dep</i> t, soft, bla	pth (ft): 3.3 ack, SILT, trac	USCS: e fine sand, lit		cs, petro	<i>PID:</i> leum like	_	Jerome:							
Upper depth (ft): Sample Description		<i>Lower dep</i> t, soft, bla	oth (ft): 6.6 ack to dark gra	USCS: y, SILT, trace		e organi	PID: cs, slight		Jerome: um like odor.							
Upper depth (ft): Sample Description		_	oth (ft): 9.9 ay, silt like gra		SOLW sand, trad	ce organi	<i>PID:</i> ics, dark		Jerome: coloration for	rm 30 to 36 ii	nches, mot	hball odor.				

Vibracore Field Log

Relinquished: _			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	d: _			Date/	Time:	w	eather:			
	•					1	ı		r	r	1					
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	9.9	Lower de	pth (ft): 13.2	2 USCS:	ML		PID:	0.7	Jerome:							
Sample Description	n: We	t, soft, da	ark gray, SILT,	little to trace of	clay, trace	e fine san	id, low pla	asticity,	hydrocarbon	like odor and	d slight pet	roleum like oc	lor.			
Upper depth (ft):		Lower de				_	PID:		Jerome:							
Sample Description	on: We	t, soft, da	ark gray, SILT,	little to trace of	clay, trace	e fine san	id, low pla	asticity,	hydrocarbon	like odor and	d slight pet	roleum like oc	lor.			
	10.0		. T. (8) 40.1	- *******				4.0	_							
Upper depth (ft): Sample Description			<i>pth (ft):</i> 16.5 ark gray to blac			oo fino ca		1.3	Jerome:	ato placticity	traco orga	nice notrolou	m liko odov			
Sample Descripito	m: we	ι, δυτι, α	ark gray to biat	JK, SILT, SUITE	e Clay, Ila	ce ille sa	anu in top) IIali Oi	core, modera	ate plasticity,	irace orga	iriics, petroieu	iii like odol	•		
Upper depth (ft):	16.5	Lower de	<i>pth (ft):</i> 19.8	3 USCS:	М		PID:	0	Jerome:							
Sample Description			ack to dark gra			ce fine sa			_	oleum like od	or.					
Sumple Description		ι, σσ.ι, σ.	aon to dam git	.,, 0, 00	, o.a,,a		aa,a	orato pi	,, po		•••					
OL-VC-70033	8/18/2006	09:10	1117304.8	926380.3	11.5	362.3	350.8	SOIL	SEDIMENT		1	20	19.9		0.3	
	0/10/2000	09.10	1117304.0	920300.3	11.0	002.0	000.0	OOIL	OLDIMEITI	✓	ı	20	19.9		0.3	
Comments:																
Upper depth (ft):	0	Lower de	pth (ft): 3.3	USCS:	ML		PID:	4.5	Jerome:							
Sample Description	n: We	t, soft, bl	ack, SILT, trac	e fine sand, tr	ace orgar	nics, sligh	nt hydroc	arbon lik	e and petrole	eum like odo	r.					

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Relinquished:			D	ate/Tin	ne:		Relinqu	ıished: _			Date	/Time:	Sa	mpler: 1	_ Compa	any: <u>1</u>	
Received:			D	ate/Tin	ne:		Receive	ed: _			Date	/Time:	we	eather:			
Location ID	Date	Time	Northi	ing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	3.3	Lower de	epth (ft):	6.6	USCS:	ML		PID:	1.8	Jerome:							
Sample Description	u: W	et, soft, b	lack, SILT	Γ, trace	fine sand, tr	ace clay,	isolated	pin sized	I NAPL p	ockets form	16 to 17 inc	hes, slight p	oetroleum like	odor.			
Upper depth (ft): Sample Description	wł	ite, silt lik	es is wet, ce grains,	trace fi	ray, SILT, tra	nch thick			arbon lik		grading towa		Rest of core is odor and sligh				
Upper depth (ft):	6.6	Lower de	epth (ft):	9.9	USCS:	SOLW		PID:	3.8	Jerome:							
Sample Description	wł	ite, silt lik	ke grains,	trace fi		nch thick							Rest of core is odor and sligh				
Upper depth (ft):	9.9	Lower de	epth (ft):	13.2	USCS:	SOLW		PID:	3.6	Jerome:							
Sample Description	od												chunks from e sand, slight				
Upper depth (ft):	13.2	Lower de	epth (ft):	16.5	USCS:	ML		PID:	1.2	Jerome:							
Sample Description	ı: W		1 0	ck, SIL	T, little clay,	slight hyd	Irocarbor	n like odo	or.								

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date	Time:	Sa	mpler: 1	_ Compa	ny: <u>1</u>	
Received:			Date/T	ime:		Receive	ed: _			Date,	/Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerom
Upper depth (ft):	16.5	Lower de	pth (ft): 19.8	3 USCS:	ML		PID:	1.3	Jerome:			•				
Sample Descriptio	n: We	t, soft, bl	ack, SILT, son	ne clay, trace	organics t	hrougho	ut, slight i	nydrocai	bon like odo	r.						
OL-VC-70034	8/18/2006	10:05	1117342.6	926358.6	12	362.3	350.3	SOIL	SEDIMENT	✓	2	20	19.2		1	
Comments: Hyd	rocarbon like	odor at top a	and bottom sections	S.	•	•					•	•				
Upper depth (ft): Sample Descriptio		Lower dep	pth (ft): 3.3 ack to dark gra			l, trace o	<i>PID:</i> organics.	1.2	Jerome:							
Upper depth (ft): Sample Descriptio			pth (ft): 6.6 ack to dark gra			d, trace o		10.6 slight hyd	<i>Jerome:</i> drocarbon lik							
Upper depth (ft): Sample Descriptio	<i>n:</i> 0 to	12 inche	pth (ft): 9.9 es is wet, soft, chunks throug	gray, SILT, tra			<i>PID:</i> grading to		Jerome: , light gray to		reen, wet, :	soft, silt like g	rains, trace	fine sand	ત્રે, 0.5 ir	nch
Upper depth (ft):	9.9	Lower de	<i>pth (ft):</i> 13.2	2 USCS:	SOLW		PID:	3	Jerome:							
Sample Descriptio	n: We	t, soft, gr	ay green to gr	ay, silt like gra	ins , trace	e fine sar	nd, slight i	mothball	l odor.							



Vibracore Field Log

Relinquished:			Date/T	ime:		Relinqu	ished: _			Date/	Time:	Sa	mpler: <u>1</u>	Compa	ny: <u>1</u>	
Received:			Date/T	ime:	_	Receive	d: _			Date/	Time:	We	eather:			
Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
Upper depth (ft):	13.2	Lower de _l	pth (ft): 16.5	USCS:	ML	•	PID:	1.4	Jerome:		•			•		•
Sample Descriptio	n: We	t, soft, gr	ay to black, SI	LT, bottom ha	If of core	is trace f	ine sand,	trace cl	ay.							
Upper depth (ft): Sample Descriptio		<i>Lower de</i> t. soft. bl	<i>pth (ft):</i> 19.2 ack, SILT, son			hrougho	PID:	1.4	Jerome:							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10034

Date: 08/08/2006

Weather: Partly cloudy 68-75 deg F

Northing: 1118059.79

Easting: 923085.68

Mud Line: 347.9 Ft

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.8 Ft

Attempts: 1

Depth Units: Ft

Surface Water Depth: 14.9 Ft Core Recovery Depth: 19.7

Drilling Company: Ocean Survey Inc

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0130-01/OL-0236-08	0.6		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, green discoloration at 27 inches, mothball odor.	Vibracore	
5 +	OL-0130-02/OL-0236-07	0.3		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, 5 inches from bottom of core is a greenish tan discoloration, mothball odor.	Vibracore	
-	OL-0130-03/OL-0236-09	0.5		SOLW	Top 4 inches is tan. Rest of core is grayish white, wet, soft, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvey Weste
10 +	OL-0130-04/OL-0236-10	0.4		SOLW	Wet soft, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
15 —	OL-0130-05/OL-0236-11	0.4		SOLW	Wet, soft, grayish white, trace fine sand, mothball odor.	Vibracore	
19.7	OL-0130-06/OL-0236-12	0.4	adings indicate		0 to 8 inches is wet, soft, grayish white and tan, silt-like grains, (SOLW), 8 to 15 inches is wet, soft, dark gray, silt-like grains, Solvay chunks. Rest of core is moist, very hard grading to medium stiff, gray, CLAY, some silt, low plasticity, slight sulfur odor (MARL).	Vibracore	CLAY/silt (Marl)

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10035

Date: 08/09/2006

Weather: Partly cloudy 67-79 deg F

Northing: 1118249.10

Easting: 923155.90

Mud Line: 347.0 Ft

Surface Water Depth: 15.7 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0 Core Recovery Depth: 19.8

Water Elev: 362.7 Ft

Attempts: 1
Depth Units: Ft

Depth Units.

Donth	Camania	DID	Manarimi	11000		Camania	
Depth	Sample	PID	Mercury	USCS	Soil Description	Sample	Stratum
Ft	ID	(ppm)	(mg/m3)	Code		Method	Stratum
0 -	OL-0131-14	1.0		SOLW	0 to 19 inches is wet, soft, white, silt-like grains, 19 to 31 is dark gray, wet, very soft, silt-like grains, trace fine sand, 1-inch thick or larger Solvay chunks. Rest of core is dark gray to gray, silt-like grains, trace Solvay chunks, mothball odor.	Vibracore	
5 -	OL-0131-15	0.6		SOLW	Wet, soft, grayish white, silt-like grains, trace organics, mothball odor.	Vibracore	
	OL-0131-16	0.8		SOLW	Wet, soft, grayish white to green, silt-like grains.	Vibracore	Solvay Waste
10 +	OL-0131-17	0.6		SOLW	Wet, soft, grayish white to green, silt-like grains, trace fine sand, mothball odor.	Vibracore	Covey visite
15 -	OL-0131-18	0.7		SOLW	Wet, soft, grayish white to green, silt-like grains, trace fine sand, mothball odor, 0.5 inch thick or smaller Solvay chunks in bottom of core.	Vibracore	
	OL-0131-19	1.2		SOLW	O to 31 inches is wet, soft, blue green, silt-like grains, trace fine sand, mothball odor. Rest of core is moist, medium stiff, gray, CLAY, some silt, trace shells, sulfur odor, moderate plasticity, (MARL).	Vibracore	
19.8		N. " 6 1 :		<u> </u>			CLAY/silt (Marl)
		Null field re	eadings indicate	e a reading	g was not taken.		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10036

Date: 08/09/2006

Weather: Partly cloudy 67-79 deg F

Northing: 1118201.60

Easting: 923262.90

Mud Line: 347.4 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Attempts: 1 Depth Units: Ft

Water Elev: 362.6 Ft

Surface Water Depth: 15.2 Ft Depth Sample PID Mercury USCS Sample Soil Description Stratum Method Ft ID (ppm) (mg/m3)Code Wet, very soft to soft, gray green to grayish white, silt-like grains, trace fine sand, black discoloration at 6 and 37 inches, trace Solvay chunks within black discoloration, mothball odor. 0 0.0 SOLW OL-0132-08 Vibracore Wet, very soft, grayish green, silt-like grains, trace fine sand, trace organics, black discoloration at 12 and 20 and 38 inches, mothball odor. SOLW OL-0132-09 0.0 Vibracore 5 Wet, very soft to soft, gray green, silt-like grains, trace fine sand in top half of core, black discoloration at 13 inches, mothball odor. SOLW OL-0132-10 0.0 Vibracore Solvay Waste 10 Wet, soft, grayish white to green, silt-like grains, trace fine sand, Solvay chunks throughout, mothball odor, black discoloration at 34 inches. OL-0132-11 0.0 SOLW Vibracore Wet, soft, grayish white to green, silt-like grains, trace fine sand in upper portion of core, slight mothball SOLW 0.0 OL-0132-12 Vibracore 15 0 to 36 inches is wet, soft, green, silt-like grains, trace fine sand, mothball odor. Rest of core is moist medium stiff, gray, CLAY, some silt, slight sulfur odor, trace shells, (MARL). SOLW OL-0132-13 0.0 Vibracore CLAY/silt (Marl) 19.8 Null field readings indicate a reading was not taken.

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10036A

Date: 08/09/2006

Weather: Partly cloudy 67-79 deg F

Northing: 1118202.50

Drilling Company: Ocean Survey Inc

Water Elev: 362.6 Ft

Easting: 923260.40

Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1
Depth Units: Ft

Mud Line: 347.4 Ft

Surface Water Depth: 15.2 Ft Penetration Depth: 20.0

ation Depth: 20.0 Core Recovery Depth: 19.8

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0132-14	0.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, black discoloration at 31 inches, mothball odor.	Vibracore	
5 -	OL-0132-15	0.0		SOLW	Wet, soft, greenish gray, silt-like grains, trace fine sand, black discoloration at 16, 31, and 37 inches, Solvay chunks within discoloration, mothball odor.	Vibracore	
- - -	OL-0132-16	0.0		SOLW	Wet, soft, grayish green, silt-like grains, some fine sand, black discoloration at 12 and 26 inches, Solvay chunks within discoloration, trace organics, slight mothball odor.	Vibracore	Solvay Waste
10 +	OL-0132-17	0.0		SOLW	Wet, soft, grayish white to green, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	
15 —	OL-0132-18	0.0		SOLW	Wet, soft, green to grayish white, silt-like grains, trace clay, trace fine sand in upper portion of core, mothball odor.	Vibracore	
-	OL-0132-19	0.0		SOLW	O to 35 inches is wet, very soft to soft, grayish white to green, silt-like grains, trace fine sand, trace clay, mothball odor. Rest of core is moist, medium stiff, gray CLAY, some silt, trace organics, trace shells, slight sulfur odor, (MARL).	Vibracore	CLAY/silt (Marl)
19.8		Null field re	adinae indicate	a reading	was not taken		ob tront (mar)

Null field readings indicate a reading was not taken.

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10037

Date: 08/09/2006

Weather: Partly cloudy 67-79 deg F

Northing: 1118398.60

Easting: 923321.20

Mud Line: 344.3 Ft

Surface Water Depth: 18.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA Water Elev: 362.6 Ft

Attempts: 1

Depth Units: Ft

Sample	PID			<u>. </u>		
15		Mercury	uscs		Sample	
ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
OL-0132-01/OL-0236-13	1.2		ML	Wet, very soft, dark gray to black, SILT, trace fine sand, petroleum-like odor, trace organics.	Vibracore	SILT
OL-0132-02/OL-0256-01	1.3		ML	0 to 28 inches is wet, soft, dark gray to gray, SILT, some black discoloration, slight petroleum-like odor. Rest of core is soft grayish green, wet, silt-like grains, trace fine sand, mothball odor, (SOLW).	Vibracore	
OL-0132-03/OL-0256-02	2.6		SOLW	Wet, soft, grayish white to green, silt-like grains, trace fine sand, trace organics, pink discoloration in bottom of core, mothball, odor. PID reading is suspect due to re-calibration.	Vibracore	
OL-0132-05/OL-0236-14	0.0		SOLW	Wet, very soft, grayish green, silt-like grains, trace fine sand, black discoloration at 19 and 34 inches, mothball odor. PID reading is suspect due to re-calibration.	Vibracore	Solvay Waste
OL-0132-06/OL-0236-15	0.0		SOLW	Wet, soft, green to dark green, silt-like grains, trace fine sand, becomes hard at bottom 4 inches of core, mothball odor. PID reading is suspect due to re-calibration.	Vibracore	
OL-0132-07/OL-0236-16	0.0		CL	O to 20 inches is wet, very soft, dark green, silt-like grains, trace clay, mothball odor, (SOLW). Rest of core is moist, medium stiff, gray, CLAY, some silt, moderate plasticity, sulfur odor, trace shells, (MARL). PID reading is suspect due to re-calibration.	Vibracore -	CLAY/silt (Marl)
	OL-0132-02/OL-0256-01 OL-0132-03/OL-0256-02 OL-0132-05/OL-0236-14	OL-0132-02/OL-0256-01 1.3 OL-0132-03/OL-0256-02 2.6 OL-0132-05/OL-0236-14 0.0 OL-0132-06/OL-0236-15 0.0	OL-0132-02/OL-0258-01 1.3 OL-0132-03/OL-0258-02 2.6 OL-0132-05/OL-0236-14 0.0 OL-0132-06/OL-0236-15 0.0	OL-0132-02/OL-0256-01 1.3 MIL OL-0132-03/OL-0256-02 2.6 SOLW OL-0132-05/OL-0236-14 0.0 SOLW OL-0132-06/OL-0236-15 0.0 CL	OL-0132-09OL-0236-15 1.2 ML Oto 28 inches is wet, soft, dark gray to gray, SILT, some black discoloration, slight petroleum-like odor. Rest of core is soft grayish green, wet, silt-like grains, trace fine sand, mothball odor, (SOLW). Wet, soft, grayish white to green, silt-like grains, pink discoloration in bottom of core, mothball, odor. PID reading is suspect due to re-calibration. Wet, very soft, grayish green, silt-like grains, trace fine sand, black discoloration at 19 and 34 inches, mothball odor. PID reading is suspect due to re-calibration. Wet, soft, green to dark green, silt-like grains, trace fine sand, becomes hard at bottom 4 inches of core, mothball odor. PID reading is suspect due to re-calibration. OL-0132-09OL-0236-16 OL-0132-09OL-0236-16	OL-0122-0900_0236-15 OL-0122-0900_0236-16 OL-0122-0900_0236-16

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10038

Date: 08/08/2006

Weather: Partly cloudy 68-75 deg F

Northing: 1117947.64 Easting: 923415.06

Drilling Company: Ocean Survey Inc

Water Elev: 363.8 Ft

Mud Line: 361.9 Ft

Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1 Depth Units: Ft

Surface Water Depth: 1.9 Ft

Penetration Depth: 20.0

Core Recovery Depth: 18.9

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Depth	Sample	PID	Mercury	uscs		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0130-07/OL-0250-19	0.8			Wet, soft, grayish white, silt-like grains, some fine sand, trace shell layer 6 inches from top of core, 1-inch thick or larger Solvay chunks throughout, mothball odor.	Vibracore	
5 +	OL-0130-08/OL-0236-17	1.1			Wet, soft, grayish white, silt-like grains, some fine sand, 1-inch thick or larger Solvay chunks throughout, trace organics, bottom 3 inches is black, fine, rounded gravel and shells, petroleum-like odor and mothball odor overall.	Vibracore	
+	OL-0130-09/OL-0236-18	1.1		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, 9 to 12 inches is hard, black, SOLW layer, 28 to 30 inches is dark red and gray Solvay material mothball odor.	, Vibracore	Solvay Waste
10 +	OL-0130-10/OL-0236-19	2.8		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
15 +	OL-0130-11/OL-0250-20	1.2		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, 6 inches from top of core is a small isolated pin-sized NAPL globule, Solvay chunks in bottom 3 inches of core, mothball odor.	Vibracore	
18.9	OL-0130-12/OL-0236-20	1.0	adings indicates		Wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, mothball odor, 20 inches from top of core is a black concretion about 0.3 inches in diameter at 20 inches.	Vibracore	
I		nuii lieid re	aumgs maicate	a reading	was not taken.		

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10039

Date: 08/09/2006

Weather: Partly cloudy 67-79 deg F

Northing: 1118088.40

Easting: 923575.40

Mud Line: 351.0 Ft

Surface Water Depth: 12.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 363.0 Ft

Attempts: 1 Depth Units: Ft

Core Recovery Depth: 18.0

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Sail Description	Method	Stratum
0	OL-0130-13	7.2	(mg/me)		Wet, soft, grayish white, silt-like grains, trace fine sand, 4 inches from top of core is small pin-sized NAPL globules, 28 inches from top of core are 0.5 inch long or smaller isolated NAPL stringers, mothball odor and slight chlorobenzene odor.	Vibracore	
5 —	OL-0130-14	11.3		SOLW	Wet, soft, grayish white silt-like grains, trace fine sand, trace organics, newspaper pieces present in core, yellowish tan banding throughout, mothball odor.	Vibracore	SOLVAY WASTE
-	OL-0130-15	7.7		SOLW	0 to 35 inches is wet, soft, grayish white to gray, silt-like grains, trace fine sand, small pin-sized isolated NAPL globule at 4 inches from the top of core, 35 to 36 inches is dark gray, SOLW, with 1/16 inch long or smaller isolated NAPL stringers, mothball odor. Rest of core is moist, soft, gray, SILT, some fine sand, trace shells, (MARL).	Vibracore	
10 -	OL-0130-16	5.4		SOLW	0 to 5 inches is moist, soft, gray, SILT, some fine sand, trace shells, slight petroleum-like odor, 5 to 13 inches is light gray, wet, soft, silt, 13 to 25 inches is dark gray, wet, soft, SILT, trace fine sand, trace organics, black discoloration, petroleum-like odor.	Vibracore	SILT
15 —	OL-0130-17	5.1		SOLW	Wet, soft, grayish white to gray to pink, silt-like grains, trace fine sand trace organics, more clay-like toward bottom of core. Mothball odor.	Vibracore	SOLVAY WASTE
18.0	OL-0130-18	1.1	adia se indit	SOLW	Wet, soft, grayish white silt-like grains, trace fine sand, black coal-like fragments at bottom 1 inches of core, mothball odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10040

Date: 08/09/2006

Weather: Partly cloudy 67-79 deg F

Core Recovery Depth: 19.8

Northing: 1118351.90

Easting: 923587.30

Mud Line: 349.7 Ft

Surface Water Depth: 12.9 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.6 Ft

Attempts: 1
Depth Units: Ft

Depth Units

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Depth	Sample	PID	Mercury	USCS		Sample	Stratum
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0133-01/OL-0237-01	5.4		ML	0 to 26 inches is Wet, soft, gray to dark gray, SILT, petroleum-like odor, black discoloration at 17 inches. Rest of core is dark gray to gray green, soft, wet, silt-like grains, trace fine sand, small pin-sized isolated NAPL globules at 33 inches, mothball odor, petroleum-like odor.	Vibracore	SILT
5 +	OL-0133-02/OL-0237-02	0.0		SOLW	Wet, soft, blue green to gray green, silt-like grains, trace fine sand, trace clay in the bottom 4 inches of core, small pin-sized isolated NAPL globules at 11 inches and 37 inches, mothball odor.	Vibracore	
-	OL-0133-03/OL-0250-17	0.0		SOLW	Wet, soft, dark green to light gray green, silt-like grains, trace fine sand, Solvay chunks throughout, black discoloration at 8 and 37 inches, mothball odor.	Vibracore	
10 —	OL-0133-04/OL-0250-18	13.4		SOLW	Wet, soft grayish white to gray, silt-like grains, trace fine sand, black discoloration at 10 and 30 inches, mothball odor.	Vibracore	Solvay Waste
15 —		10.2		SOLW	Wet, soft, greenish gray to gray to black, silt-like grains, little fine sand, black discoloration at 4 inches 19 inches and 27 inches, black from 35 inches to bottom of core, coal-like fragments at bottom of core, petroleum-like odor and mothball odor.	Vibracore	
-		0.0		SOLW	O to 10 inches is wet, soft, black, silt-like grains, trace fine sand, Solvay chunks throughout, petroleum-like odor. Rest of core is wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, slight petroleum-like odor and mothball odor.	Vibracore	
19.8		Null field re	eadings indicate	e a reading	g was not taken.		

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10041

Date: 08/09/2006

Weather: Partly cloudy 67-79 deg F

Northing: 1117900.70

Easting: 923642.10

Mud Line: 361.3 Ft

Surface Water Depth: 1.5 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.7

Water Elev: 362.8 Ft

Attempts: 2 Depth Units: Ft

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0131-01	15.8		SOLW	0 to 16 inches is wet, gray, hard, .5 inch to 1.0 inch thick or larger Solvay chunks, some fine sand, mothball odor. Rest of core is wet, soft, grayish white silt-like grains, trace fine sand, red discoloration at bottom of core, mothball odor.	Vibracore	
5 +	OL-0131-02	0.9		SOLW	Wet, soft, grayish white, silt-like grains, 1/16 inch thick fine sand lenses throughout, light brown bands in bottom half of core, mothball odor.	Vibracore	
+	OL-0131-03	0.9		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, thin, black fine grained sand lenses throughout, mothball odor.	Vibracore	
10 +	OL-0131-04	0.8		SOLW	Wet, soft, grayish white, silt-like grains, brown discoloration at 30 inches from top of core, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0131-05	0.7		SOLW	Moist, soft, grayish white, silt-like grains, with trace fine sand, brown discoloration throughout, mothball odor.	Vibracore	
19.7	OL-0131-06	0.9		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, brown discoloration throughout, mothball odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10041A

Date: 08/09/2006

Weather: Partly cloudy 67-79 deg F

Northing: 1117900.00

Easting: 923643.90

Mud Line: 361.3 Ft

Surface Water Depth: 1.4 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.7 Ft

Attempts: 2 Depth Units: Ft

Core Recovery Depth: 19.8

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Depth	Sample	PID	Mercury	USCS		Sample	.
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0131-07	13.6		SOLW	0 to 22 inches is wet, soft, grayish white, silt-like grains, some fine sand, isolated NAPL stingers 0.5 inch long or smaller at 6 inches from top of core. Rest of core is wet, medium stiff to soft, grayish whit, silt-like grains, trace fine sand, trace organics, black, fine sand at bottom of core.	Vibracore	
5 +	OL-0131-09	2.8		SOLW	0 to 10 inches is wet, soft, light green, silt-like grains, little black fine sand, fine subrounded gravel throughout. Rest of core is white, to grayish white, wet, medium stiff to soft, silt-like grains, trace organics, mothball odor.	Vibracore	
- - - - -	OL-0131-10	1.3		SOLW	0 to 13 inches is wet, soft to very hard, grayish white, silt-like grains, little clay, trace fine sand. Rest of core is wet, soft, silt-like grains, mothball odor.	Vibracore	
10 +	OL-0131-13	1.1		SOLW	Wet, soft to medium stiff, grayish white, silt-like grains, trace fine sand, trace clay, mothball odor, 2 inch thick fine to medium grained sand seam with trace shells at 16 inches from top of the core, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0131-11	1.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, mothball odor, more clay-like toward the bottom.	Vibracore	
	OL-0131-12	0.7		SOLW	Moist, soft, grayish white, silt-like grains, trace fine sand, trace clay, mothball odor, brown discoloration at 1 inch, 14 inches, 34 inches, and 41 inches.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10042

Date: 08/10/2006

Weather: Mostly cloudy 70-81 deg F

Northing: 1118505.00

Drilling Company: Ocean Survey Inc

Water Elev: 362.6 Ft

Easting: 923697.10 Mud Line: 338.7 Ft Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1
Depth Units: Ft

Surface Water Depth: 23.9 Ft

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0133-07	0.8		SOLW	Wet, very soft, dark gray to gray, silt-like grains, trace fine sand, black discoloration throughout, 0.5 inch long or smaller isolated NAPL stringers at 34 inches from top of core, petroleum-like odor and slight mothball odor.	Vibracore	
5 +	OL-0133-08	5.2		SOLW	Wet, very soft, dark gray to blue green to blueish white,, silt-like grains, trace fine sand, trace organics, 0.5 inch thick or smaller Solvay chunks throughout, petroleum-like odor and mothball odor.	Vibracore	
+ '	OL-0133-09	11.0		SOLW	Wet, soft, grayish white to gray green, silt-like grains, trace fine sand, black discoloration at 23 inches, mothball odor.	Vibracore	
10 +	OL-0133-10	16.2		SOLW	Wet, soft, blue green to gray green, silt-like grains, trace fine sand in upper portion of core, black discoloration at 34 inches, small pin-sized isolated NAPL globules at 12 and 37 inches, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0133-11	6.1		SOLW	Wet, soft, blue green to grayish white, silt-like grains, trace fine sand, black discoloration at 14 inches, with a 1/4 inch thick NAPL seam at 25 inches, mothball odor.	Vibracore	
19.8	OL-0133-12	3.2	adings indicate	SOLW	Wet, soft, grayish green to gray, silt-like grains, trace fine sand, black discoloration throughout, small pin-sized isolated NAPL globule at 33 inches, mothball odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10042A

Date: 08/10/2006

Weather: Mostly cloudy 70-81 deg F

Northing: 1118507.20 Easting: 923698.10

Drilling Company: Ocean Survey Inc

Water Elev: 362.2 Ft Attempts: 1

Mud Line: 338.2 Ft

Logging Company: Parsons Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 24.0 Ft

Core Recovery Depth: 19.8 Penetration Depth: 20.0

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0133-13	0.3		ML	0 to 34 inches is wet, very soft, black, SILT, little fine sand, petroleum-like odor, trace organics, trace slag. Rest of core is gray green, silt-like grains, trace fine sand, petroleum-like odor, (SOLW).	Vibracore	SILT
5 -	OL-0133-14	4.3		SOLW	Wet, very soft, gray, silt-like grains, trace fine sand, black discoloration throughout, small pin-sized isolated NAPL globules at 26 inches and 17 inches, trace organics, petroleum-like odor and mothball odor.	Vibracore	
+	OL-0133-15	6.1		SOLW	Wet, very soft, dark gray to gray green, silt-like grains, trace fine sand, small pin-sized isolated NAPL globules at 6 inches, 20 inches, and 36 inches mothball odor.	Vibracore	
10 —	OL-0133-16	2.8		SOLW	Wet, very soft, gray green silt-like grains, trace fine sand, black discoloration at 11 inches, small pin-sized isolated NAPL globules at 37 inches, mothball odor.	Vibracore	Solvay Waste
15 +	OL-0133-18	21.0		SOLW	Wet, soft, gray green to grayish white, silt-like grains, trace fine sand, black discoloration at 13 inches and 28 inches, 1/4 inch thick NAPL seam at 28 inches, isolated pin-sized NAPL globules at 8 inches, 18 inches, and 23 inches, mothball odor.	Vibracore	
19.8	OL-0133-19	2.1	odingo india-ti-	SOLW	Wet, soft, grayish white to gray green, silt-like grains, trace fine sand, black discoloration at 5 inches and 38 inches, very small pin-sized isolated NAPL globules at 5 inches, 15 inches, 29, and 31 inches, mothball odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10043

Date: 08/10/2006

Weather: Mostly cloudy 70-81 deg F

Northing: 1118496.60

Easting: 923946.70

Mud Line: 338.6 Ft

Surface Water Depth: 24.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.6 Ft

Attempts: 1 Depth Units: Ft

Core Recovery Depth: 19.6

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0134-07	8.6		SOLW	Wet, soft, gray green, silt-like grains, black sand-like grains in top foot of core, black discoloration throughout, 0.5 inch long or smaller isolated NAPL stringer at 27 inches, mothball odor.	Vibracore	
5 +	OL-0134-09	1.3		SOLW	0 to 13 inches is wet, soft, light green, silt-like grains, trace fine sand, 13 to 17 inches is black, silt-like grains, 0.5 inch thick or smaller Solvay chunks throughout, slight petroleum-like odor. Rest of core is gray green to grayish white, silt-like grains, trace fine sand, fine black sand throughout, mothball odor.	Vibracore	
- ·	OL-0145-03/OL-0134-10	6.0		SOLW	0 to 31 inches is gray to dark gray, silt-like grains, trace fine sand, small isolated pin-sized NAPL globules at 13 inches and 22 inches. Rest of core is green, silt-like grains, trace fine sand, mothball odor, and slight petroleum-like odor.	Vibracore	
10 +	OL-0145-04/OL-0134-11	1.1		SOLW	Wet, very soft to soft, gray green, silt-like grains, trace sand, black discoloration at 21 inches, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0134-12	4.3			0 to 22 inches is wet, very soft, gray green, silt-like grains, trace sand, isolated pin-sized NAPL globule at 3 inches, 0.5 inch long NAPL stringers at 8 inches and 9 inches, black discoloration at 17 inches. Rest of core is light green to dark gray, mothball odor overall.	Vibracore	
19.6	OL-0134-13	16.8	adings indicate	SOLW	0 to 14 inches green to gray, silt-like grains, trace fine sand, small pin-sized isolated NAPL globules at 12 and 14 inches 14 to 18 inches is black, silt-like grains, little fine sand, 0.5 inch thick or smaller Solvay chunks, petroleum-like odor. Rest of core is gray green, silt-like grains, little to trace fine sand, Moth ball odor and slight petroleum-like odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10044

Date: 08/10/2006

Weather: Mostly cloudy 70-81 deg F

Northing: 1118365.50

Easting: 923964.80

Mud Line: 349.8 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Core Recovery Depth: 19.0 Penetration Depth: 20.0

Water Elev: 362.6 Ft

Attempts: 2 Depth Units: Ft

Surface Water Depth: 12.8 Ft USCS Depth Sample PID Mercury Sample Soil Description Stratum Ft ID (mg/m3) Code Method (ppm) 0 Wet, soft, grayish white to gray, silt-like grains, trace fine sand, small pin-sized isolated NAPL globules at 17, 20, 29, 32, and 36 inches, mothball odor. SOLW OL-0134-01 1.3 Vibracore Wet, soft, gray green, silt-like grains, trace fine sand, small isolated pin size NAPL globules at 1 inch, 11 inches, 21 inches, and 25 inches, mothball odor. SOLW 33.8 5 OL-0134-02 Vibracore Wet, soft, gray green, silt-like grains, trace fine sand, trace clay, black discoloration at 11 inches and 17 inches, small pin-sized isolated NAPL globules at 7 inches, 15 inches, 18 inches, 26 inches and 33 inches, mothball odor. OL-0134-03 4.2 SOLW Vibracore Solvay Waste 10 0 to 19 inches is wet, soft, blue green and gray banded, silt-like grains, little fine sand, 0.5 inch long or smaller NAPL stringers throughout, 19 to 26 inches is green, silt-like grains, trace fine sand, small isolated 0.5 inch long NAPL stringers. OL-0134-04 7.2 SOLW Vibracore Rest of core is dark gray, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, 1 small pin-sized NAPL globules at 38 inches, mothball odor. Wet, soft, grayish white to gray green, silt-like grains, little fine sand, dark gray discoloration at 7 inches, light brown discoloration at 16 inches, mothball odor. OL-0134-05 2.9 SOLW Vibracore 15 Wet, soft, gray green, silt-like grains, trace fine sand, black discoloration at 8 inches and 24 inches, 0.5 inch long or smaller isolated NAPL stringers at 10 inches and 14 inches, small pin-sized NAPL SOLW 4.9 OL-0134-06 Vibracore globules at 27 inches, mothball odor. 19.0 Null field readings indicate a reading was not taken.

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10046

Date: 08/10/2006

Weather: Mostly cloudy 70-81 deg F

Core Recovery Depth: 19.2

Northing: 1118047.30

Easting: 924008.60

Mud Line: 359.6 Ft

Surface Water Depth: 2.6 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.2 Ft

Attempts: 2

Depth Units: Ft

	<u> </u>						
Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0135-01/OL-0237-03	6.2		SOLW	Wet, soft, graysih white, silt-like grains and fine sand, fine black sand grains throughout, many 1-inch thick or larger hard Solvay chunks throughout, mothball odor.	Vibracore	
5 -	OL-0135-02/OL-0250-15	29.9		SOLW	Wet, soft, grayish white, silt-like grains, some fine sand, black discoloration laminated throughout, small isolated 0.5 inch long or smaller NAPL stringers at 15 inches, 21 inches, 24 inches, 27 inches, and 29 inches, mothball odor.	Vibracore	
-	OL-0135-03/OL-0237-04	6.7		SOLW	Wet, soft, gray green to grayish white, silt-like grains, little to trace fine sand, 1-inch thick or larger Solvay discoloration, chunks in top foot of core, black at 34 inches, mothball odor.	Vibracore	Solvay Waste
10 -	OL-0135-04/OL-0237-05	2.8		SOLW	0 to 23 inches is wet, soft, light green, silt-like grains, trace fine sand, 0.5 inch or larger Solvay chunks in top of core, black discoloration at 23 inches. Rest of core is wet, soft, dark gray, silt-like grains, Solvay chunks throughout, petroleum-like odor, brown discoloration at 39 inches.	Vibracore	
15 —	OL-0135-05/OL-0237-06	15.8		SOLW	Wet, soft grayish white silt-like grains, some clay, trace fine sand in top foot of core, brown discoloration at 12 inches, mothball odor.	Vibracore	
19.2	OL-0135-06/OL-0250-16	31.8		SOLW	Wet, medium stiff, grayish white, silt-like grains, some clay, trace fine sand, black discoloration at 27 inches, bottom 4 inches has dark gray discoloration moth ball odor.	Vibracore	
		Null field re	eadings indicate	e a reading	g was not taken.		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10046A

Date: 08/10/2006

Weather: Mostly cloudy 70-81 deg F

Northing: 1118045.00 Easting: 924010.70 Mud Line: 360.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Attempts: 2

Depth Units: Ft

Water Elev: 362.5 Ft

Surface Water Depth: 2.5 Ft

Penetration Depth: 20.0 Core Recovery Depth: 18.1

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0135-07	3.8		SOLW	0 to 25 inches is wet, loose, gray green, fine grain sand and Solvay waste, trace fine sub rounded gravel, trace organics. Rest of core is wet, hard, laminated grayish white silt-like grains, some black fine sand, moth ball odor.	Vibracore	
5 —	OL-0135-08	51.2		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, hard 0.5 inch thick to 1.0 inch thick Solvay chunks throughout, small lenses of NAPL 1/16 of an inch thick, at 4 inches, 7 inches, 20 inches, 28 inches, NAPL lenses include wood-like organics, mothball odor.	Vibracore	
-	OL-0135-09	4.2		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand in top foot of core, black discoloration at 17 inches, trace fine black sand from 17 to 20 inches, Mothball odor.	Vibracore	Solvay Waste
10 +	OL-0135-10	10.2		SOLW	0 to 13 inches wet, soft, green to gray, silt-like grains, little clay, trace fine sand, black discoloration at 3 inches, 13 to 16 inches is black silt-like grains, some wood fragments, petroleum-like odor. Rest of core is gray green to tan, silt-like grains, some clay, trace fine sand, black discoloration at 32 inches, mothball odor.	Vibracore	
15 —	OL-0135-11	11.2		SOLW	Wet, soft, grayish white to tan silt-like grains, some clay, trace fine sand, trace organics, dark tan discoloration at 37 inches, mothball odor.	Vibracore	
18.1	OL-0135-12	5.1	andings indicate	SOLW	Wet, soft, grayish white to gray, silt-like grains, some clay, black discoloration at 5 inches and 15 inches, trace organics, mothball odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10047

Date: 08/11/2006

Weather: Partly cloudy 62-72 deg F

Northing: 1118465.20 Easting: 924146.40 Drilling Company: Ocean Survey Inc

Water Elev: 362.5 Ft

Mud Line: 339.7 Ft

Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1
Depth Units: Ft

Surface Water Depth: 22.8 Ft

Penetration Depth: 20.0

.0 Core Recovery Depth: 19.8

Depth	Sample	PID	Mercury	uscs		Sample	
Ft	ID.	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0138-01/OL-0237-07	6.1		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, medium grain sand lens at 11 inches, trace organics, slight sulfur and mothball odor.	Vibracore	
5 +	OL-0138-02/OL-0250-13	9.0		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, trace clay in bottom 3 inches of core, black discoloration at 22 inches, mothball odor.	Vibracore	
	OL-0138-03/OL-0250-14	10.9		SOLW	0 to 13 inches is wet, very soft, gray white, silt-like grains, some black fine sand, 13 to 15 inches is black discoloration, heavy petroleum-like odor, trace organics. Rest of core is wet, very soft, slight green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10	OL-0138-04/OL-0237-08	18.2		SOLW	Wet, soft, gray green, with black discoloration throughout, silt-like grains, trace clay, trace organic fibers, brown wood-like organics at 22 inches, 27 inches, and 37 inches, with small isolated pin-sized NAPL globules, 0.5 inch thick or smaller Solvay chunks, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0138-05/OL-0237-09	22.7		SOLW	Wet, soft, gray green to gray, silt-like grains, trace fine sand, trace clay, black discoloration at 21 inches, small isolated pin-sized NAPL globules at 4 to 18 inches and at 11 inches, 0.5 inch thick or smaller Solvay chunks throughout, petroleum-like odor.	Vibracore	
19.8	OL-0138-08/OL-0237-10	7.3		SOLW	Wet, soft, blue green to dark gray, silt-like grains, trace clay, black discoloration from 36 inches to 40 inches, trace organics slight mothball odor, petroleum-like odor.	Vibracore	

Null field readings indicate a reading was not taken.

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10048

Date: 08/11/2006

Weather: Partly cloudy 62-72 deg F

Northing: 1118168.80 Easting: 924158.40

Logging Company: Parsons

Drilling Company: Ocean Survey Inc

Water Elev: 362.7 Ft

Mud Line: 360.0 Ft

Geologist: SARA CHMURA

Attempts: 1 Depth Units: Ft

Surface Water Depth: 2.7 Ft

Penetration Depth: 20.0 Core Recovery Depth: 19.7

Depth Sample PID USCS Sample Mercury Soil Description Stratum Ft ID Code Method (ppm) (mg/m3) Wet, soft, grayish white to gray, silt-like grains, some fine sand, 1-inch thick or larger Solvay chunks throughout, mothball odor, one small, pin sized isolated NAPL globule at 38 inches. 0 SOLW OL-0135-13 6.1 Vibracore Wet, soft, gray to grayish, silt-like grains, trace fine sand, hard 1-inch thick or larger Solvay chunks throughout, small pin size isolated NAPL globules at 6 inches, 11 inches, 23 inches, and 26 inches, large NAPL globule about 1/4 inch in diameter at 34 inches, mothball SOLW 4 1 OL-0135-14 Vibracore 5 Wet, soft, gray silt-like grains, trace fine sand, trace clay, thin Solvay chunks throughout, black discoloration at 30 inches, brown discoloration at 10 inches, mothball odor. 6.2 SOLW Vibracore OL-0135-16 Solvay Waste Wet, soft, gray to blue green, silt-like grains, trace fine sand, trace clay, black discoloration at 10 inches, 17 10 inches, and 29 inches, small, isolated NAPL stringers at 6 inches, 7 inches, and 19 inches, small isolated pin size NAPL globule at 8 inches, mothball odor. SOLW OL-0135-18 6.0 Vibracore Wet soft, blue green to green to dark gray, silt-like grains, trace fine sand, black discoloration at 8 inches, 10 inches, 23 inches, and 30 inches, very small pin size isolated NAPL globules at 13 inches, 15 inches, 19 inches, 24 inches, 38 inches, 0.5 inch thick or smaller Solvay chunks, mothball odor. OL-0135-17 6.0 Vibracore 15 Wet, soft, gray green to grayish white, silt-like grains, trace fine sand, hard Solvay chunks in bottom half of core, black discoloration at 7 inches and 35 inches, isolated 0.5 inch long or smaller NAPL stringers at 14 inches, 26 inches, and from 34 inches to 37 inches, Fine black sand in bottom foot of core, mothball odor 7.5 OL-0135-19 Vibracore mothball odor. 19.7

Null field readings indicate a reading was not taken.

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10048A

Date: 08/11/2006

Weather: Partly cloudy 62-72 deg F

Northing: 1118168.30

Easting: 924160.50 Mud Line: 360.0 Ft

Surface Water Depth: 2.7 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0 Core Recovery Depth: 17.9

Water Elev: 362.7 Ft

Attempts: 1
Depth Units: Ft

PID USCS Depth Sample Mercury Sample Soil Description Stratum Ft ID (mg/m3) Code Method (ppm) Wet, medium stiff to soft, grayish white to green, silt-like 0 grains, some fine sand, shells at top 3 inches of core, black discoloration at 13 inches, 18 inches, 24 inches, 32 inches 1/16 inch thick lenses of fine black sand throughout, small isolated pin-sized NAPL globule at 38 inches, mothball odor. SOLW OL-0136-01 7.5 Vibracore Wet, soft, gray green, silt-like grains, trace fine sand, 0.5 inch long isolated NAPL stringers at 6 inches, 14 inches, 21 inches, 26 inches, 33 inches, small pin-sized isolated NAPL globules at 19 inches, 37 inches, mothball odor. SOLW 7.5 5 OL-0136-02 Vibracore Wet, soft, gray to blue green to gray, silt-like grains, little fine sand, trace organics, small pin size isolated NAPL globules at 3 inches, 25 inches, and 37 inches, 0.5 inch thick or smaller Solvay chunks in bottom of core, mothball odor. OL-0136-03 6.9 SOLW Vibracore Solvay Waste 10 Wet, soft, gray green to blue green, silt-like grains, trace fine sand, black discoloration at 6 inches, 12 inches, 16 inches, 35 inches and 38 inches, trace organics, small isolated pin-sized NAPL globule at 5 inches and 8 inches mothball odor. SOLW OL-0136-04 2.9 Vibracore Wet, soft, gray green, silt-like grains, trace fine sand, black discoloration at 7 inches, 19 inches to 25 inches, and 32 inches, small pin-sized isolated NAPL globules at 37 inches mothball odor. OL-0136-05 6.2 SOLW Vibracore 15 Wet, soft, grayish white, silt-like grains, black fine sand throughout, small pin-sized isolated NAPL globules at 6 inches, OL-0136-06 6.2 SOLW Vibracore 8 inches, 12 inches, 14 inches, and 18 inches, 1-inch thick or larger Solvay chunks at 10 inches, mothball odor 17.9 Null field readings indicate a reading was not taken.

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10049

Date: 08/16/2006

Weather: Mostly cloudy 69-78 deg F

Northing: 1117989.70 Easting: 924167.40 Drilling Company: Ocean Survey Inc

Water Elev: 362.5 Ft

Mud Line: 360.7 Ft

Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1
Depth Units: Ft

Surface Water Depth: 1.8 Ft

Penetration Depth: 20.0

Core Recovery Depth: 19.6

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0147-07	0.0		SOLW	Wet, loose, dark gray to grayish white, silt-like grains and gravel, 0.5 inch thick or smaller Solvay chunks, top 2 inches is fine sand and shells, brown discoloration at 30 inches, slight petroleum-like odor in top 23 inches of core. Rest of core has mothball odor.	Vibracore	
5 —	OL-0147-08	0.0		SOLW	Wet, soft to medium stiff, grayish white, silt-like grains, some black fine sand, trace organics, light brown discoloration at bottom of core, 0.5 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
-	OL-0147-09	34.2		SOLW	Top 22 inches wet, soft, grayish white, silt-like grains, some black fine sand, small tan discolorations that are 1/16 of an inch thick at 6 inches, 8 inches, 13 inches, and 15 inches, mothball odor. Rest of core is wet, loose, black, poorly sorted GRAVEL and black fine SAND, trace brick fragments, petroleum-like odor.	Vibracore	Solvay Waste
10 +	OL-0147-10	33.1		SOLW	Wet, soft, dark gray to gray with black discoloration throughout, silt-like grains, some clay, brown organics at 14 inches and 35 inches, more clay-like at bottom of core, low plasticity, petroleum-like odor.	Vibracore	Sovay vasic
15 —	OL-0147-12	0.0		SOLW	Wet, soft, gray silt-like grains, some clay, trace fine sand, dark gray discoloration at 22 and 37, mothball odor.	Vibracore	
19.6	OL-0147-13	0.0	odings indicate	SOLW	Wet, soft, grayish white, silt-like grains, trace clay, brown organics at 32 inches, mothball odor.	Vibracore	

Null field readings indicate a reading was not taken.

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10049A

Date: 08/16/2006

Weather: Mostly cloudy 69-78 deg F

Northing: 1117991.00

Easting: 924167.80 Mud Line: 360.7 Ft

Surface Water Depth: 1.8 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.5 Ft

Attempts: 1 Depth Units: Ft

Core Recovery Depth: 19.8

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0147-14	2.0		SOLW	Top 4 inches is wet, loose, gray fine sand. Wet, hard, gray, Solvay chunks about an inch in width and length, some gray silt, some fine sand, mothball odor.	Vibracore	
5 +	OL-0147-15	13.4		SOLW	Wet, hard to medium stiff, grayish white, silt-like grains, some black fine sand, dark gray discoloration at 11.5 inches, small 1/8 inch thick black sand lens at 27.5 inches, tan discoloration at 34 inches and 38 inches, mothball odor.	Vibracore	
+	OL-0147-16	15.8		SOLW	Wet, soft to medium stiff, gray, silt-like grains, some black fine sand, tan discoloration at 8 inches, 14 inches, 16 inches, and 20 inches, bottom 5 inches is black, poorly sorted GRAVEL and fine SAND, mothball odor.	Vibracore	
10 +	OL-0147-17	68.2		SOLW	0 to 5 inches is wet, loose, black, poorly sorted GRAVEL and fine SAND, trace silt, trace organics, petroleum-like odor. Rest of core is wet, soft, gray to dark gray, silt-like grains, some clay, trace organics, petroleum-like odor to slight mothball-like odor.	Vibracore	Solvay Waste
15 —	OL-0147-18	14.4		SOLW	0 to 11 inches is moist, hard, tan, silt-like grains, trace fine sand, some organics. Rest of core is wet, very soft, silt-like grains, trace clay, trace organics, brown discoloration from 26 inches to 28 inches, mothball odor.	Vibracore	
19.8	OL-0147-19	9.1		SOLW	Wet, soft, grayish white to tan, slit-like grains, trace fine sand, brown organics at 17 inches and 33 inches, mothball odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10050

Date: 08/24/2006

Weather: Scattered clouds 68-77 deg F

Northing: 1117816.40 Easting: 925985.10 Mud Line: 346.6 Ft Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA Water Elev: 362.4 Ft

Attempts: 1
Depth Units: Ft

Surface Water Depth: 15.8 Ft

Penetration Depth: 20.0 Core Recovery Depth: 19.4

			1	1		1	
Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0173-01	4.0		ML	Wet, soft, dark gray to black, SILT, trace clay, trace fine sand, petroleum-like odor, hydrocarbon-like odor, trace organics.	Vibracore	SILT
5 +	OL-0173-02	13.8		SOLW	Wet, soft, gray green to grayish white, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	
-	OL-0173-03	21.1		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, one 0.5 inch long NAPL stringer at 11 inches, mothball odor.	Vibracore	
10 +	OL-0173-04	9.5		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, light brown organics at 8 inches, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0173-05	2.5		SOLW	Wet, soft, green, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
19.4	OL-0173-06	4.3	adings indicate	SOLW	Wet, soft, green, silt-like grains, trace fine sand, black discoloration at 16 inches, 25 inches, mothball odor.	Vibracore	
19.4		Null field re	eadings indicate	e a reading	was not taken.		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10051

Date: 08/24/2006

Weather: Scattered clouds 68-77 deg F

Northing: 1117854.70 Easting: 926006.90

Logging Company: Parsons

Water Elev: 362.4 Ft

Mud Line: 346.2 Ft

Geologist: SARA CHMURA

Drilling Company: Ocean Survey Inc

Attempts: 1 Depth Units: Ft

Surface Water Depth: 16.2 Ft

Penetration Depth: 20.0 Core Recovery Depth: 19.8

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0172-14	8.6		ML	Wet, soft, black to dark gray, SILT, trace clay, some fine sand, small pin-sized NAPL globules from 26 to 36 inches, strong petroleum-like odor.	Vibracore	SILT
5 +	OL-0172-15	5.7		ML	Wet, soft, black to gray, SILT, trace clay, trace fine sand, strong hydrocarbon-like odor.	Vibracore	SILI
-	OL-0172-16	11.7		SOLW	Wet, soft, gray, silt-like grains, mothball odor.	Vibracore	
10 +	OL-0172-17	10.2		SOLW	Wet, soft, gray, silt-like grains, mothball odor.	Vibracore	
15 —	OL-0172-18	9.4		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, trace organics, dark gray discoloration from 35 to 27 inches, mothball odor.	Vibracore	Solvay Waste
19.8	OL-0172-19	6.5		SOLW	Wet, soft, green to bright green, silt-like grains, trace fine sand, black discoloration at 8 and 31 inches, mothball odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10052

Date: 08/24/2006

Weather: Scattered clouds 68-77 deg F

Northing: 1117852.60

Drilling Company: Ocean Survey Inc

Water Elev: 362.4 Ft

Easting: 925963.80

Logging Company: Parsons

Attempts: 1
Depth Units: Ft

Mud Line: 346.6 Ft

Surface Water Depth: 15.8 Ft

Geologist: SARA CHMURA Penetration Depth: 20.0

Core Recovery Depth: 19.8

Depth Sample PID Mercury USCS Sample Soil Description Stratum Method Ft ID (ppm) (mg/m3)Code Wet, soft, black to dark gray, SILT, trace fine sand, trace organics, hydrocarbon-like odor, small isolated pin-sized NAPL globule at 15 and 31 inches. 0 9.6 ML OL-0172-07 Vibracore SILT 0 to 20 inches is wet, soft, black to dark gray, SILT, trace clay, trace fine sand, hydrocarbon-like odor and slight petroleum-like odor. Rest of core is wet, soft, gray green, silt-like grains, slight hydrocarbon odor and mothball SOLW OL-0172-08 22.3 Vibracore 5 Wet, soft, grayish white, silt-like grains, some to trace fine sand, slight hydrocarbon odor and mothball odor. 16.9 SOLW OL-0172-09 Vibracore 10 Wet, soft, gray, silt-like grains, trace fine sand, mothball odor. OL-0172-10 2.2 SOLW Vibracore Solvav Waste Wet, soft, gray green, silt-like grains, trace fine sand, trace organics, dark gray discoloration at 10.5 inches, mothball odor. SOLW 12.5 OL-0172-12 Vibracore 15 Wet, soft, green, silt-like grains, trace fine sand, trace organics, black discoloration at 11 inches, mothball odor. SOLW OL-0172-13 7.7 Vibracore 19.8 Null field readings indicate a reading was not taken.

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10053

Date: 08/16/2006

Weather: Mostly cloudy 69-78 deg F

Northing: 1117722.00

Easting: 924313.00 Mud Line: 361.0 Ft

Surface Water Depth: 1.5 Ft

Drilling Company: Ocean Survey Inc.

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0 Core Recovery Depth: 19.2

Water Elev: 362.5 Ft

Attempts: 1
Depth Units: Ft

Depth Sample PID USCS Mercury Sample Soil Description Stratum Ft ID Code Method (ppm) (mg/m3) Top 3 inches is wet, loose, poorly sorted GRAVEL and 0.5 inch thick or smaller Solvay chunks. Rest of core is wet, soft, gray, silt-like grains, black fine sand, 1 inch thick Solvay chunks throughout, dark gray, hard clay-like grains from 30 inches to 35 inches, mothball odor. 0 OL-0148-01 0.0 SOLW Vibracore Wet, medium stiff to soft, tan to dark gray, silt-like grains, trace fine sand, trace clay, brown organics at 23 inches and 6 inches, with small Solvay chunks in bottom inch of core, mothball SOLW 19 OL-0148-02 Vibracore 5 odor. 0 to 16 inches is moist, hard, dark gray to gray, silt-like grains, some clay, slight petroleum-like odor. Rest of core is wet, soft to medium stiff, grayish white, silt-like grains, mothball odor. 2.2 SOLW OL-0148-03 Vibracore Solvay Waste Wet, soft, top 3 inches is bright green. Rest of core is grayish white with pink discoloration throughout, silt-like 10 grains, mothball odor. SOLW OL-0148-04 0.0 Vibracore Wet, soft, grayish white with pink discoloration in the top 4 inches and 9 inches to 11 inches, silt-like grains, trace fine sand, mothball odor. OL-0148-05 0.0 SOLW Vibracore 15 Wet, soft, grayish white, silt-like grains, trace fine sand, mothball odor. SOLW 0.0 OL-0148-06 Vibracore 19.2 Null field readings indicate a reading was not taken.

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10053A

Date: 08/16/2006

Weather: Mostly cloudy 69-78 deg F

Northing: 1117723.80 Easting: 924313.30

Logging Company: Parsons

Water Elev: 362.5 Ft

Mud Line: 361.0 Ft

Geologist: SARA CHMURA

Drilling Company: Ocean Survey Inc

Attempts: 2 Depth Units: Ft

Surface Water Depth: 1.5 Ft

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0148-07	6.8		SOLW	Wet, medium stiff, gray to dark gray, silt-like grains, some black fine sand, trace organics, mothball odor.	Vibracore	
5 -	OL-0148-08	60.2		SOLW	Wet, soft, tan to gray, silt-like grains, trace fine sand, trace clay, mothball odor.	Vibracore	
 - - - -	OL-0148-09	10.2		SOLW	Wet, soft, grayish white to dark gray, silt-like grains, trace organics, small Solvay chunks throughout, petroleum-like odor in dark gray areas, mothball odor overall.	Vibracore	
10 +	OL-0148-11	4.2		SOLW	0 to 7 inches is moist, hard, grayish white, silt-like grains, some clay, moderate plasticity. Rest of core is grayish white with pink discoloration, dark gray discoloration 18 inches to 25 inches, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0148-12	0.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, gray pink discoloration throughout, mothball odor.	Vibracore	
19.8	OL-0148-13	0.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10054

Date: 08/11/2006

Weather: Partly cloudy 62-72 deg F

Northing: 1117823.80

Surface Water Depth: 1.4 Ft

Drilling Company: Ocean Survey Inc

Water Elev: 362.6 Ft

Easting: 924273.20

Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1
Depth Units: Ft

Mud Line: 361.2 Ft

Penetration Depth: 20.0

Core Recovery Depth: 18.8

Depth Sample PID Mercury USCS Sample Soil Description Stratum Code Method Ft ID (ppm) (mg/m3) 0 Wet, loose, gray to dark gray, fine SAND and SOLW, trace organic in top of core, fine to medium grain sand from 35 inches to 38 inches, mothball odor and slight petroleum-like odor. SOLW OL-0136-13/OL-0237-15 1.1 Vibracore Solvay Waste Wet, soft, dark gray to gray silt-like grains, black well sorted fine sand lenses throughout, trace of organics, petroleumlike odor. SOLW OL-0136-14/OL-0237-16 1.6 Vibracore 5 0 to 23 inches is wet, soft, gray SILT with black discoloration, organics throughout, heavy petroleum-like odor, black fine SILT sand lens at 15 inches. Rest of core ML is tan, wet, soft, silt-like grains, 15.0 OL-0136-16/OL-0250-11 Vibracore some clay, trace fine sand, brown organics at 28 inches, mothball odor. 10 Wet, soft, grayish white, silt-like grains, trace fine sand in top half core, mothball odor. OL-0136-17/OL-0250-12 4.3 SOLW Vibracore 0 to 15 inches is wet, soft, grayish white, silt-like grains, little clay, mothball odor. 15 inches to 32 inches Solvay Waste is gray green to dark gray, silt-like grains, trace fine sand, trace clay, 0.5 inch thick or smaller Solvay chunks throughout. Rest of core is wet medium stiff, gray, silt-like grains, some clay, slight petroleum-like odor. SOLW 0.8 OL-0136-18/OL-0237-17 Vibracore 15 O to 15 is wet, soft, gray, silt-like grains, trace fine sand, trace clay, slight petroleum-like odor. Rest of core is dark gray, silt-like grains, black discoloration at 5 inches, trace organics, 0.5 inch thick or smaller Solvay chunks throughout bottom of core, slight petroleum-like odor. 1.1 OL-0136-19/OL-0237-18 Vibracore 18.8 Null field readings indicate a reading odsnot taken.

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10055

Date: 08/11/2006

Weather: Partly cloudy 62-72 deg F

Northing: 1118435.40 Easting: 924347.90

Drilling Company: Ocean Survey Inc

Water Elev: 362.6 Ft

Mud Line: 341.4 Ft

Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1 Depth Units: Ft

Surface Water Depth: 21.2 Ft

Penetration Depth: 20.0

-			1				
Depth	Sample	PID	Mercury	USCS		Sample	_
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0137-01	4.9		SOLW	Wet, very soft to soft, gray green, silt-like grains, trace fine sand, black discoloration at 19 inches, 29 inches, and 35 inches, trace organics, light gray, fine sand seam at 34 inches, mothball odor.	Vibracore	
5 +	OL-0137-02	2.2		SOLW	Wet, soft, green to blue green, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	
+	OL-0137-03	2.6		SOLW	Wet, soft, gray green, silt-like grains and GRAVEL and fine SAND, trace organics, dark gray discoloration, at 17 inches, 29 inches, and 33 inches, less than 0.5 inch long NAPL stringers at 10 and 12 inches, small pin-sized isolated NAPL globules at 21 inches, mothball odor.	Vibracore	Solvay Waste
10 +	OL-0137-04	0.0		SOLW	Wet, very soft to soft, gray green, silt-like grains, gravel fine sand in bottom half of core, black discoloration from 36 inches to 37.5 inches, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor, and slight petroleum-like odor in bottom of core.	Vibracore	
15 +	OL-0137-05	0.1		SOLW	Wet, soft light green to gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	
18.9	OL-0137-06	0.7		SOLW	0 to 8 inches is wet, soft, light gray, silt-like grains, mothball odor. Rest of core is gray green and blue green, silt-like grains, trace clay, mothball odor.	Vibracore	
		Null field re	adings indicate	a reading	g was not taken.		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10056

Date: 08/11/2006

Weather: Partly cloudy 62-72 deg F

Northing: 1118096.50

Easting: 924315.80 Mud Line: 359.6 Ft

Surface Water Depth: 3.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.6 Ft

Attempts: 2 Depth Units: Ft

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0136-07	4.2		SOLW	Wet, soft, grayish white to gray, silt-like grains, trace fine sand, black discoloration at top of core and at 14 inches and at bottom of core, isolated less than 0.5 inch long NAPL stringer at 11 inches.	Vibracore	
5 +	OL-0136-08	3.2		SOLW	Wet, soft, grayish white to dark gray, silt-like grains, little fine sand, tan discoloration at 4 inches, black discoloration from 22 inches to 29 inches, less than 0.5 inch long NAPL stringers throughout core, slight petroleum-like odor, and mothball odor, isolated pin-sized NAPL globules at 34 inches and 37 inches.	Vibracore	
-	OL-0136-09	3.4		SOLW	Wet, soft, gray to dark gray, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, small isolated NAPL globules at 11 inches, 17 inches, 22 inches, mothball odor.	Vibracore	Solvay Waste
10 +	OL-0136-10	0.8		SOLW	Wet, soft, gray to blue green, silt-like grains, trace fine sand in upper half of core, trace organics, black discoloration at 7 inches, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	
15 —	OL-0136-11	4.4		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, small pin size isolated NAPL globules at 26 inches to 29 inches, mothball odor.	Vibracore	
19.2	OL-0136-12	4.9	adings indicates	SOLW	Wet, soft, grayish white blue green, silt-like grains, trace clay, brown discoloration from 7 to 11 inches, small pin-sized isolated NAPL globules at 30 inches, slight petroleum-like odor in bottom half of core.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10057

Date: 08/11/2006

Weather: Partly cloudy 62-72 deg F

Northing: 1118236.30

Easting: 924432.40

Mud Line: 353.9 Ft

Surface Water Depth: 8.6 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.5 Ft

Attempts: 1 Depth Units: Ft

Depth	Sample	PID	Mercury	uscs		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0138-07/OL-0237-11	10.7		SOLW	Wet, soft, grayish white, silt-like grains, little fine sand, black discoloration at 22 inches, 1-inch thick or larger hard Solvay chunks at bottom 9 inches of core, mothball odor.	Vibracore	
5 +	OL-0138-08/OL-0250-09	36.4		SOLW	Wet, hard, silt-like grains, some fine grained black sand throughout, small tan colored sand lenses 1/16 of an inch throughout, strong mothball odor.	Vibracore	
	OL-0138-09/OL-0237-12	5.6		SOLW	Wet, medium stiff to soft, silt-like grains, some fine grain black sand throughout, mothball odor.	Vibracore	Solvay Waste
10 +	OL-0138-10/OL-0250-10	3.9		SOLW	Wet, soft bluish green, silt-like grains, fine sand, black discoloration at 29 inches, mothball odor.	Vibracore	,
15 —	OL-0138-11/OL-0237-14	5.9		SOLW	Wet, soft, blue green to gray green, silt-like grains, some black fine grained sand throughout, black discoloration at 29 and 33 inches, 0.5 inch thick or smaller Solvay chunks within discoloration, small 1/16 of an inch sand lens at 18 inches, trace organics in bottom of core, mothball odor.	Vibracore	
19.5	OL-0138-12/OL-0237-13	3.8 Null field re	adings indicate	SOLW	Wet, soft, light green, silt-like grains, some black fine sand throughout, black discoloration at 4 inches and 32 inches, brown wood-like organics at 18 and 30 inches, mothball odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10057A

Date: 08/11/2006

Weather: Partly cloudy 62-72 deg F

Northing: 1118237.80

Easting: 924433.90

Mud Line: 353.9 Ft

Surface Water Depth: 8.6 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.5 Ft

Attempts: 1
Depth Units: Ft

20.0 Core Recovery Depth: 19.7

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0138-13	100.0		SOLW	Wet, soft, grayish white, silt-like grains, little black fine sand throughout, tan discoloration at 31 inches, 1-inch thick or larger, hard Solvay chunks throughout, mothball odor.	Vibracore	
5 +	OL-0138-14	65.0		SOLW	Wet, medium stiff to soft, silt-like grain, black fine sand throughout, tan discoloration at 10 inches, 17 inches, and 23 inches, black, fine to medium sand lens 1/4 of an inch thick at 38 inches, tan discoloration at 37 inches, mothball odor.	Vibracore	
	OL-0138-16	5.0		SOLW	Wet, medium stiff to soft, silt-like grains, trace fine sand in top half of core, dark gray discoloration at 37 inches, mothball odor.	Vibracore	
10 +	OL-0138-17	9.9		SOLW	Wet, soft, blue green to gray green, silt-like grains, trace fine sand, trace organics, black discoloration at 1.5 inches from top of core, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0138-18	6.5		SOLW	Wet, very soft, gray green to grayish white, silt-like grains, black discoloration at 10, 12, and 37 inches, mothball odor.	Vibracore	
19.7	OL-0138-19	6.0			Wet, soft, gray green to light green, silt-like grains, trace clay at bottom half of core, fine to medium grained black sand lens 1/8 of an inch thick at 14 and 16 inches, brown discoloration at 14 inches.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10058

Date: 08/12/2006

Weather: Mostly cloudy 63-73 deg F

Northing: 1117838.00

Easting: 924442.80

Mud Line: 358.3 Ft

Surface Water Depth: 4.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Depth Units: Ft

Water Elev: 362.5 Ft

Attempts: 1

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0141-01	1.8		SOLW	Wet, soft, dark gray to gray, silt-like grains, black, fine SAND, trace organics, brown discoloration at 27 and 35 inches, mothball odor and slight petroleum-like odor.	Vibracore	
5 +	OL-0141-02	0.7		SOLW	Wet, soft, gray, silt-like grains, some fine sand, trace clay, black to blue green discoloration from 24-28 inches, trace organics, mothball odor.	Vibracore	
+	OL-0141-03	1.9		SOLW	Wet, medium stiff to soft, silt-like grains, trace fine sand, brown organics at 20 inches, and 34 inches, black discoloration at 29 inches with small isolated pin-sized NAPL globules, mothball odor, petroleum-like odor.	Vibracore	Solvay Waste
10 +	OL-0141-04	3.9		SOLW	Wet, soft, gray to light green to dark gray, silt-like grains, some clay, black discoloration at 11 inches, 15 inches, and 19 inches, slight petroleum-like odor.	Vibracore	
15 +	OL-0141-05	3.4		ML	Wet, soft, gray to black, SILT, some clay, trace fine sand, trace organics in bottom of core, strong petroleum-like odor.	Vibracore	SILT
	OL-0141-06	1.9		SOLW	0 to 10 inches is wet, medium stiff, black, SILT, some clay, petroleum-like odor, (ML). Rest of core is gray, silt-like grains, some clay, trace organics, mothball odor.	Vibracore	Solvay Waste
19.8		Null field re	adings indicate	e a reading	was not taken.		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10058A

Date: 08/12/2006

Weather: Mostly cloudy 63-73 deg F

Northing: 1117839.50 Easting: 924444.60 Drilling Company: Ocean Survey Inc

Water Elev: 362.5 Ft

Mud Line: 358.3 Ft

Logging Company: Parsons Geologist: SARA CHMURA Attempts: 2
Depth Units: Ft

Surface Water Depth: 4.2 Ft

Penetration Depth: 20.0 Core Recovery Depth: 17.4

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0141-07	0.5		ML	0 to 25 inches wet, very soft, black to dark gray SILT, trace fine sand, trace organics, 1-inch thick or larger Solvay chunks, coal-like fragments, organic odor. Rest of core is gray, silt-like grains and black fine sand, 1-inch thick or larger Solvay chunks, slight petroleum-	Vibracore	SILT
+					like odor and mothball odor.		
5 +	OL-0141-08	0.9		SOLW	Wet, hard to soft, gray, silt-like grains, little clay, black discoloration at 17 inches, small isolated NAPL globules from 2 inches to 3.5 inches, mothball odor.	Vibracore	SOLVAY WASTE
+	OL-0141-10	0.8		SOLW	Wet, soft, gray silt-like grains, trace clay, trace fine sand, small pin size NAPL globules from 2 inches to 6 inches, 15 inches and 19 inches, trace organics, mothball odor.	Vibracore	SOLVAT VVASTE
10 +	OL-0141-09	0.8		ML	0 to 13 inches light green to light gray, silt-like grains, trace fine sand, mothball odor, (SOLW). Rest of core dark gray to black, SILT, some clay, trace fine sand, low plasticity, petroleum-like odor.	Vibracore	
15	OL-0141-11	2.5		SOLW	0 to 21 inches wet, soft, black, SILT, trace fine sand, trace brown organics, petroleum-like odor. Rest of core wet, soft, silt-like grains, some clay, mothball odor.	Vibracore	SILT
17.4	OL-0141-12	0.1		SOLW	Wet, soft, gray, silt-like grains, some clay, trace organics, mothball odor.	Vibracore	SOLVAY WASTE

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10059

Date: 08/15/2006

Weather: Scattered clouds 71-80 deg F

Northing: 1117726.60 Easting: 924590.40

Mud Line: 359.8 Ft

Surface Water Depth: 2.7 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 17.0

Water Elev: 362.5 Ft

Attempts: 1
Depth Units: Ft

Core Recovery Depth: 19.3

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0146-01	0.0		SOLW	Wet, soft, gray, silt-like grains, black fine sand throughout, 1-inch thick or larger Solvay chunks throughout, trace brown organics, black discoloration at 22 inches and 35 inches, mothball odor.	Vibracore	
5 +	OL-0146-02	26.5		SOLW	Wet, soft to very hard, grayish white, silt-like grains, trace to little fine black sand, trace medium black sand, 1-inch thick or larger Solvay chunks throughout, trace organics, small isolated pin size NAPL globules at 21 inches, mothball odor.	Vibracore	
	OL-0146-03	50.9		SOLW	Wet, soft, gray to grayish white, silt-like grains, trace organics, small isolated pin size NAPL globules in top 5 inches of core, little fine black sand throughout, mothball odor.	Vibracore	Solvay Waste
10 +	OL-0146-04	10.9		SOLW	Wet, soft, grayish white to gray, silt-like grains, little black fine sand, black discoloration from 14 inches to 18 inches, black medium to fine grained sand lens within discoloration, trace organics, mothball odor.	Vibracore	
15 —	OL-0146-05	4.6		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, blue discoloration at 2.5 inches from top of core, mothball odor.	Vibracore	
19.3	OL-0146-06	9.4	adings indicate	SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, trace clay, mothball odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10060

Date: 08/15/2006

Weather: Scattered clouds 71-80 deg F

Northing: 1117861.40

Drilling Company: Ocean Survey Inc

Water Elev: 362.4 Ft

Easting: 924676.30 Mud Line: 359.9 Ft Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1
Depth Units: Ft

Surface Water Depth: 2.5 Ft

Penetration Depth: 20.0

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0146-07	2.4		SOLW	0 to 13 inches, wet, loose, dark gray SILT and black fine SAND, trace organics, organic odor (ML). Rest of core is wet, medium stiff to soft, grayish white, silt-like grains, some black fine sand, hard Solvay chunks about 4 inches in length thoughout, mothball odor.	Vibracore	SILT
5 +	OL-0146-08	0.8		SOLW	Wet, soft, medium stiff, gray silt-like grains, little black fine sand, black discoloration at 5 inches, small Solvay chunks in top half of core, mothball odor.	Vibracore	
	OL-0146-09	0.8		SOLW	Wet, soft, dark gray to grayish white silt-like grains, trace fine sand, trace organics, 0.5 inch thick or smaller Solvay chunks from 13 inches to 18 inches, 1/8 inch thick black fine grained sand lens at 27 inches, mothball odor.	Vibracore	SOLVAY WASTE
10 +	OL-0146-10	6.8		SOLW	Wet, soft, gray to gray green, silt-like grains trace fine sand, dark gray discoloration from 14 inches to 21 inches, small Solvay chunks in bottom half of core, mothball odor.	Vibracore	
15	OL-0146-12	21.7		SOLW	Wet, soft to medium stiff, gray to blue green to gray silt-like grains, soft to medium stiff, small isolated pin size NAPL globules in top 3 inches, trace brown organics, mothball odor.	Vibracore	
18.0	OL-0146-13	56.3		SOLW	Wet, soft, tan to gray, silt-like grains, trace fine sand, small isolated pin size NAPL globules at 5 inches, tan discoloration at 18 inches, mothball odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10061

Date: 08/14/2006

Weather: Scattered clouds 67-80 deg F

Northing: 1118238.80 Easting: 924717.30

Drilling Company: Ocean Survey Inc

Water Elev: 362.4 Ft

Mud Line: 350.7 Ft

Logging Company: Parsons Geologist: SARA CHMURA

Attempts: 1 Depth Units: Ft

Penetration Depth: 20.0

Core Recovery Depth: 19.7

Surface Water Depth: 11.7 Ft

Donth	Sample	PID	Mercury	USCS		Sample	
Depth	•				Soil Description		Stratum
Ft 0	ID	(ppm)	(mg/m3)	Code	•	Method	
+	OL-0142-01	0.4		SOLW	Wet, soft, green to gray green, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
5 +	OL-0142-02	0.5		SOLW	Wet soft, light green, silt-like grains, trace fine sand in top half of core, black discoloration at 6 inches and 10 inches, mothball odor.	Vibracore	
+	OL-0142-03	3.1		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, trace clay, brown organics, mothball odor.	Vibracore	
10 +	OL-0142-04	1.6		SOLW	Wet, soft, gray green, silt-like grains, little clay, trace organics, trace black fine grain sand in top 4 inches of core, mothball odor.	Vibracore	Solvay Waste
15 +	OL-0142-05	1.5		SOLW	Wet, soft, light green, silt-like grains, some black fine sand throughout, trace clay, trace organics, mothball odor.	Vibracore	
19.7	OL-0142-06	1.0	adings indicate	SOLW	Wet, soft, light green to gray green laminated, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10062

Date: 08/14/2006

Weather: Scattered clouds 67-80 deg F

Northing: 1117993.70 Easting: 924727.10 Mud Line: 358.0 Ft Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1
Depth Units: Ft

Water Elev: 362.4 Ft

Surface Water Depth: 4.4 Ft

Penetration Depth: 20.0 Core Recovery Depth: 19.2

	·		I	<u>-</u>			
Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0142-07/OL-0237-19	0.6		SOLW	Top 2 inches is black, fine to medium SAND and shells. Rest of core is wet, soft, light green, silt-like grains, some fine sand, gray fine grain sand lenses 1/16 of an inch thick at 27 inches, 33 inches and at bottom 2 inches of core, mothball odor.	Vibracore	
5 +	OL-0142-08/OL-0250-07	1.2		SOLW	Wet, soft, light gray, silt-like grains, some black fine grain sand throughout, trace organics, brown discoloration at 35 inches and 20 inches, mothball odor.	Vibracore	
-	OL-0142-09/OL-0237-20	1.5		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, some clay, trace organics, dark gray discoloration at 5 inches and 11 inches, mothball odor.	Vibracore	Solvay Waste
10 +	OL-0142-10/OL-0238-01	1.2		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, trace clay, dark gray discolorations at 6 inches and bottom inch of core, mothball odor.	Vibracore	
15 —	OL-0142-12/OL-0238-02	2.5		SOLW	Wet, soft, grayish white, silt-like grains, some black fine sand, tan discoloration at 25 inches, trace organics, mothball odor.	Vibracore	
19 2	OL-0142-13/OL-0250-08	5.4		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, trace clay, green discoloration in top 2 inches of core, mothball odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10062A

Date: 08/11/2006

Weather: Partly cloudy 62-72 deg F

Northing: 1117996.10 Easting: 924727.20

Logging Company: Parsons

Drilling Company: Ocean Survey Inc

Water Elev: 362.5 Ft

Mud Line: 358.1 Ft

Geologist: SARA CHMURA

Attempts: 2 Depth Units: Ft

Surface Water Depth: 4.4 Ft

Penetration Depth: 20.0

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0142-14	2.9		SOLW	0 to 3 inches is black SAND and shells, some organics. Rest of core light green to gray, silt-like grains, some black fine sand, 1/8th inch thick black sand lens with shells at 9 inches, tan discoloration at 30 inches, hard 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	
5 +	OL-0142-15	4.2		SOLW	Wet, soft, gray to gray green, silt-like grains, trace fine sand, trace clay, dark gray discoloration at top 4 inches of core, tan discoloration at top 4 inches of core mothball odor.	Vibracore	
	OL-0142-16	2.2		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, trace clay, dark gray discoloration at 15 inches, mothball odor.	Vibracore	Solvay Waste
10 +	OL-0142-17	5.0		SOLW	0 to 21 inches is wet, soft, light green, silt-like grains, little clay, tan discoloration at 2 inches. Rest of core is wet, medium stiff, gray, silt-like grains, some fine black sand, tan discoloration at 27 inches, mothball odor.	Vibracore	
15 —	OL-0142-18	7.5		SOLW	Wet, medium stiff to soft, gray, silt-like grains, black fine sand, black concretion at 6 inches, mothball odor.	Vibracore	
19.0	OL-0142-19	5.6	adings indicate	SOLW	Wet, soft, gray silt-like grains, trace fine sand to some fine sand, 1/8 of an in thick black fine to medium grain sand lens at 14 inches and 30 inches, mothball odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10063

Date: 08/21/2006

Weather: Partly cloudy 68-76 deg F

Northing: 1118434.80

Easting: 924795.40

Surface Water Depth: 24.5 Ft

Mud Line: 338.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.5 Ft

Attempts: 1
Depth Units: Ft

Core Recovery Depth: 19.8

	•		1		<u>, </u>		
Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0163-01/OL-0250-05	2.3		SOLW	Wet, soft, light gray, silt-like grains, trace fine sand, trace organics, dark gray discoloration at 14 inches, mothball odor.	Vibracore	
5 +	OL-0163-02/OL-0238-03	1.2		SOLW	Wet, soft, light gray, silt-like grains, trace fine sand, trace organics, dark gray discoloration at 14 inches, mothball odor.	Vibracore	
	OL-0163-03/OL-0238-04	2.2		SOLW	Wet, soft, light gray to gray green, silt-like grains, trace fine sand, black fine sand and 0.5 inch thick or smaller Solvay chunks from 31 to 35 inches, mothball odor.	Vibracore	
10 +	OL-0163-04/OL-0238-05	4.1		SOLW	Wet, soft, light green to gray green silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, black discoloration from 15 inches to 25 inches, trace organics, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0163-05/OL-0238-06	4.1		SOLW	Wet, soft, light green to gray green, silt-like grains, trace fine sand, trace organics, gray discoloration at 30 inches, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	
19.8	OL-0163-06/OL-0250-06	2.1	adings indicates	SOLW	Wet, soft, gray to gray green, silt-like grains, some trace, fine, black, sand, Solvay chunks throughout, trace organics, mothball odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10063A

Date: 08/21/2006

Weather: Partly cloudy 68-76 deg F

Northing: 1118435.4 Easting: 924793.4 Drilling Company: Ocean Survey Inc

Water Elev: 362.5 Ft

Mud Line: 338.0 Ft

Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1
Depth Units: Ft

Surface Water Depth: 24.5 Ft

Penetration Depth: 20.0 Core Recovery Depth: 17.5

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0160-01	2.6		SOLW	0 to 10 inches is wet, very soft, black, silt, little to some fine sand, sewer-like odor. Rest of core is gray to light green, wet, soft, silt-like grains, trace fine sand, mothball odor.	Vibracore	
5 —	OL-0160-02	2.1		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
-	OL-0160-03	1.6		SOLW	Wet, soft, light gray, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
10 +	OL-0160-04	9.3		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, trace organics, dark gray to black discoloration from 15 to 20 inches, mothball odor.	Vibracore	
15 —	OL-0160-05	10.3		SOLW	Wet, soft, light green to gray, silt-like grains, some black fine sand throughout, trace organics, mothball odor.	Vibracore	
17.5	OL-0160-06	5.7		SOLW	Wet, soft, light green to gray, silt-like grains, some black fine sand throughout, trace organics, mothball odor was not taken.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10064

Date: 08/21/2006

Weather: Partly cloudy 68-76 deg F

Northing: 1117684.30

Easting: 924771.70

Mud Line: 359.8 Ft Surface Water Depth: 2.8 Ft Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0 Core

Water Elev: 362.6 Ft

Attempts: 1
Depth Units: Ft

Depth	Sample	PID	Mercury	USCS		Sample	
Ft .	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0163-14	1.6		SOLW	0 to 8 inches is wet, hard to medium stiff, dark gray silt-like grains and black fine SAND, 3 inch thick Solvay chunk at 5 inches. Rest of core is wet, soft, gray, silt-like grains, trace fine sand, black 1/8 of an inch thick fine sand lens at 33 inches, mothball odor.	Vibracore	
5 —	OL-0163-15	5.1		SOLW	Wet, soft to hard, gray, silt-like grains, some black fine sand, blue green discoloration at 5 inches, small pin-sized isolated NAPL globule at 7 inches, black 1/8 of an inch thick poorly sorted fine sand lenses at 13 inches, 20 inches, 27 inches, and 37 inches, from 29 to 32 inches is black, fine to medium grained, well sorted, sand, 1-inch thick or larger Solvay chunks from 33 inches to bottom of core, mothball odor.	Vibracore	
- - - -	OL-0163-16	2.2		SOLW	0 to 14 inches is wet, soft, grayish white, silt-like grains, and black fine sand. Rest of core is gray green, silt-like grains, trace organics, trace fine sand, mothball odor.	Vibracore	
10 +	OL-0163-17	3.1		SOLW	0 to 34 inches is wet, soft, grayish white, silt-like grains, tan discoloration throughout, 0.5 inch thick Solvay chunks toward bottom. Rest of core is dark gray to black, silt-like grains, small pin-sized NAPL globule at 38.5 inches, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0163-18	54.4		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, tan discoloration throughout, 0.5 inch long or smaller NAPL stingers from 3 to 6 inches, mothball odor.	Vibracore	
- - - -	OL-0163-19	35.3		SOLW	Wet, soft, gray to gray green, silt-like grains, some black fine sand, small isolated pin-sized NAPL globules at 10 inches, 19 inches, 34 inches, and 39 inches, light brown discoloration 1/8 of an inch thick at 21 inches, mothball odor.	Vibracore	
19.8		Null field re	eadings indicate	a reading	was not taken.		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10064A

Date: 08/21/2006

Weather: Partly cloudy 68-76 deg F

Northing: 1117684.70

Easting: 924774.20

Mud Line: 359.8 Ft

Surface Water Depth: 2.8 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.6 Ft

Attempts: 1
Depth Units: Ft

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0164-01	3.1		SOLW	Wet, soft, grayish white, silt-like grains, some black fine sand, black 1/16 to 1/8 of an inch thick, fine, sand lenses at 15 inches, 21 inches, 34 inches, and 37 inches, some organics, mothball odor.	Vibracore	
5 —	OL-0164-02	9.2		SOLW	Wet, soft, gray to dark gray, silt-like grains, some black fine sand, some 1/8 of an inch thick or larger black fine sand lenses, at 6 inches, 13 inches, 17 to 19 inches, 22 to 25 inches, 31 to 34 inches, and 37 to bottom of core, small pin size NAPL globules at 17, 31.5, and 38 inches, mothball odor.	Vibracore	
-	OL-0164-03	7.1		SOLW	0 to 16 inches is wet, soft, dark gray to grayish white, silt-like grains and black fine SAND, some brown organics. Rest of core is wet, soft, dark gray, silt-like grains, some clay, low plasticity, isolated pin size NAPL globules 19, 24 and 35 inches, mothball odor.	Vibracore	
10 +	OL-0164-04	15.4		SOLW	Wet, soft, grayish blue to gray green, silt-like grains, trace fine sand, less than 0.5 inches long NAPL stringers at 2 to 3 inches, 17, 29, 34, 36, and 39 inches, mothball odor.	Vibracore	Solvay Waste
15 —	OL-016 4- 05	16.5		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, tan discoloration at 17 and 19.5 inches, small pin-sized isolated NAPL globules at 3 inches.	Vibracore	
19.8	OL-0164-06	4.0		SOLW	0 to 32 inches is wet, soft, grayish white, silt-like grains, trace fine sand. Rest of core is dark gray to black, silt-like grains, little to some fine sand, brown organics at 37 inches, mothball odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10065

Date: 08/21/2006

Weather: Partly cloudy 68-76 deg F

Northing: 1117697.10

Easting: 924792.20 Mud Line: 360.4 Ft

Surface Water Depth: 2.1 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0 Core Recovery Depth: 19.8

Water Elev: 362.5 Ft

Attempts: 2
Depth Units: Ft

Depth Sample PID Mercury USCS Sample Soil Description Stratum Code Method Ft ID (ppm) (mg/m3)Wet, soft, grayish white, silt-like grains, some black fine sand, large one inch thick Solvay chunks throughout, 0 trace organics, mothball odor. SOLW OL-0164-07 1.1 Vibracore Wet, soft, gray to gray green, silt-like grains, trace fine sand, black discoloration at 12 inches, black fine sand seam from 31 to 32.5 inches, mothball odor. SOLW OL-0164-08 3.8 Vibracore 5 Wet, soft, gray, silt-like grains, some fine sand, small isolated pin-sized NAPL globules at 5 inches, trace organics, black fine gray land and fine gravel seam from 30 to 34 inches, mothball odor. 65.2 SOLW OL-0164-10 Vibracore Solvay Waste 10 Wet, soft, dark gray, silt-like grains, trace fine sand, trace clay, small pin-sized isolated NAPL globules at 26 inches, mothball odor. OL-0164-11 3.1 SOLW Vibracore Wet, soft, grayish blue to gray, silt-like grains, trace fine sand, brown organics throughout, small isolated pin-sized NAPL globule at 33 inches, mothball odor. SOLW 6.0 OL-0164-12 Vibracore 15 Wet, soft, grayish blue to blueish white, silt-like grains, NAPL globules at 13, and 18 inches, tan discoloration at 33 inches, and 37 inches, 0.5 inches thick to 1.0 inch thick or larger Solvay chunks throughout, mothball odor. SOLW OL-0164-13 5.8 Vibracore 19.8 Null field readings indicate a reading was not taken.

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10066

Date: 08/21/2006

Weather: Partly cloudy 68-76 deg F

Northing: 1117659.00

Easting: 924773.40

Mud Line: 360.8 Ft

Surface Water Depth: 1.7 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Depth Units: Ft

Water Elev: 362.5 Ft

Attempts: 1

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0164-14/OL-0238-07	3.9		SOLW	Wet, hard to soft, gray, silt-like grains, little black fine sand, trace organics, 1 inch thick Solvay chunks throughout.	Vibracore	
5 +	OL-0164-15/OL-0249-12	6.2		SOLW	Wet, soft, gray, silt-like grains, little to some fine sand, black 1/16 to 1/8 of an inch thick fine grained sand lenses at 13, 18, 33, and 38 inches, trace organics, mothball odor.	Vibracore	
-	OL-0164-16/OL-0238-08	3.5		SOLW	Wet, soft, white to gray blue to dark gray, silt-like grains, some black fine sand, small pin-sized isolated NAPL globules at 25, 38, and 38 inches, 1-inch thick or larger Solvay chunks throughout.	Vibracore	
10 +	OL-0164-17/OL-0249-13	22.2		SOLW	Wet, soft, dark gray to gray, silt-like grains, trace fine sand, 0.5 inch thick or smaller NAPL globules at 2, 25, and 26 inches, large and 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
15 +	OL-0164-18/OL-0238-09	15.2		SOLW	Wet, soft, gray, silt-like grains, little fine sand, 0.5 inch thick or larger Solvay chunks throughout, brown discoloration at 14 inches, mothball odor.	Vibracore	
19.8	OL-0164-19/OL-0238-10	2.9 Null field re	eadings indicate	SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, tan discoloration throughout, mothball odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10067

Date: 08/21/2006

Weather: Partly cloudy 68-76 deg F

Northing: 1117697.50

Easting: 924750.20

Mud Line: 360.9 Ft

Surface Water Depth: 1.6 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.5 Ft

Attempts: 1 Depth Units: Ft

Core Recovery Depth: 19.1

Ft 0	ID OL-0163-07 OL-0163-08	(ppm) 1.5	(mg/m3)	SOLW	Soil Description Wet, soft, blue green to dark gray, silt-like grains, some to little black fine, sand, 1 inch thick Solvay chunks throughout, black poorly sorted fine sand seam from 20 to 25 inches, small pin-sized isolated NAPL globules at 37 inches, mothball odor.	Method	Stratum
		1.5		SOLW	Isit-like grains, some to little black fine, sand, 1 inch thick Solvay chunks throughout, black poorly sorted fine sand seam from 20 to 25 inches, small pin-sized isolated NAPL globules at 37	Vibracore	
	OL-0163-08						
5 +		2.5		SOLW	Wet, soft, dark gray, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, less than 0.5 inches long isolated NAPL stringers at 11 and 14 inches, mothball odor.	Vibracore	
-	OL-0163-09	5.3		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, some light brown organics throughout, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
10	OL-0163-11	5.4		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, large 2 inch thick Solvay chunk at 13 inches, small pin-sized NAPL globules at 19 inches, black discoloration at 2.5 inches, mothball odor.	Vibracore	
15 —	OL-0163-12	6.3		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, tan discoloration throughout, 1 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
19.1	OL-0163-13	11.1 Null field rea		SOLW	Wet, soft, gray, silt-like grains, brown organics throughout, black discoloration at 19 inches, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10068

Date: 08/14/2006

Weather: Scattered clouds 67-80 deg F

Northing: 1117921.70 Easting: 924860.70

Drilling Company: Ocean Survey Inc

Water Elev: 362.4 Ft

Mud Line: 356.9 Ft

Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1 Depth Units: Ft

Surface Water Depth: 5.5 Ft

Penetration Depth: 20.0

Core Recovery Depth: 19.6

	Trater Boptin 6.6 1				outer toostory Depart 10.0		
Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0143-01	3.5		SOLW	Wet, soft to hard, gray to dark gray, silt-like grains, some fine sand from 31 to 38 inches, 0.5 inch thick or larger Solvay chunks throughout, top 2 inches of core is black, silt-like grains, some fine gravel, mothball odor overall.	Vibracore	
5 —	OL-0143-02	0.9		SOLW	0 to 27 inches wet, grayish white to gray green, 1-inch thick or larger Solvay chunks throughout, silt-like grains, some sand, black sand lenses throughout. Rest of core wet, stiff, soft, grayish white, silt-like grains, trace find sand, mothball odor.	Vibracore	
-	OL-0143-03	0.7		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, 1/8 of an inch thick fine grain black sand lens at 35 inches, organics at 22 inches, 1.0 inch thick or larger Solvay chunks throughout, mothball odor.	Vibracore	
10 +	OL-0143-04	3.4		SOLW	Wet, soft, gray green to grayish white, silt-like grains, trace fine sands throughout, 1-inch thick or larger Solvay chunks throughout, black fine sand lens at 11 inches, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0143-05	1.3		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, 1-inch thick or larger Solvay chunks throughout, trace organics at 21 inches, mothball odor.	Vibracore	
19.8	OL-0143-06	0.5		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, trace organics at 27 inches, mothball odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10069

Date: 08/16/2006

Weather: Mostly cloudy 69-78 deg F

Northing: 1117812.20 Easting: 924950.90

Drilling Company: Ocean Survey Inc

Water Elev: 362.5 Ft Attempts: 1

Mud Line: 357.7 Ft

Logging Company: Parsons Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 4.8 Ft

Penetration Depth: 17.0 Core Recovery Depth: 19.8

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0149-01	0.1		SM	Wet, soft, dark gray, SILT, some fine sand, trace 0.5 inch thick or smaller Solvay chunks throughout, bottom 10 inches is fine to medium grained black sand, slight mothball odor.	Vibracore	SILT
T					0 to 11 inches is wet, dense, dark gray to black, fine to medium grained sand, very slight petroleum-like odor.		SAND
5 +	OL-0149-02	0.1		SOLW	Rest of core is wet, soft to medium stiff, gray, silt-like grains, some black, fine to medium grained, sand,1 inch thick Solvay chunks throughout, small pin-sized isolated NAPL globule in bottom of core, mothball odor.	Vibracore	Solvay Waste
+ [0 to 8 inches is wet, dense, black,		SAND/gravel
+	OL-0149-03	0.1		SOLW	fine to medium grained, SAND, trace fine sub rounded gravel. Rest of core is wet, medium stiff to hard, gray, silt-like grains, some black fine sand, 1 inch thick sand chunks throughout, mothball odor.	Vibracore	
10 -	OL-0149-04	1.2		SOLW	Wet, soft to hard, gray, silt-like grains, some black fine sand, trace brown organics throughout, mothball odor.	Vibracore	
15 —	OL-0149-05	2.9		SOLW	Wet, medium stiff to hard, gray green to gray, silt-like grains, some black fine sand, 24 to 28 inches is black, poorly sorted, fine gravel and fine sand, slight petroleum-like odor.	Vibracore	Solvay Waste
+	OL-0149-06	0.1		SOLW	Wet, very hard, gray to black, Solvay waste and fine to medium grained sand, trace fine sub angular to sub rounded gravel, trace organics, mothball odor in top half of core, slight petroleum-like odor in bottom half of core.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10070

Date: 08/12/2006

Weather: Mostly cloudy 63-73 deg F

Northing: 1117455.20

Easting: 924919.90

Mud Line: 360.3 Ft

Surface Water Depth: 2.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.1

Water Elev: 362.5 Ft

Attempts: 1 Depth Units: Ft

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0140-07	2.3		SOLW	Wet, soft, grayish white, silt-like grains, little fine black sand throughout, fine to medium grain sand lenses 1/8 of an inch thick at 14 inches, 23 inches and 36 inches, black discoloration at 39 inches with strong petroleum-like odor.	Vibracore	
5 —	OL-0140-08	12.8		SOLW	Wet, soft, gray silt-like grains, little fine black sand, trace clay, poorly sorted sand and gravel seam from 9 inches to 12 inches with small pin-sized isolated NAPL globules, tan discoloration at 35 inches, small pin sized isolated NAPL globules at bottom of core, mothball odor and slight petroleum-like odor.	Vibracore	SOLVAY WASTE
+	OL-0140-09	0.3		SOLW	0 to 28 inches gray to grayish white, silt-like grains, trace clay, black poorly sorted sand seam at 14 inches mothball odor. Rest of core is wet, soft, light gray, SILT, little clay, low plasticity, trace organics, small isolated pin-sized NAPL globules at 37 inches (ML).	Vibracore	SILT
10 +	OL-0140-10	3.9		SOLW	Wet, soft, dark gray, light gray laminated, silt-like grains, some clay, small isolated pin-sized NAPL globule at 6 inches, less than 1.0 inch long NAPL stringers from 13 inches to 18.5 inches, black discoloration at 32 inches, small isolated pin sized NAPL globules at 37 inches, petroleum-like odor and mothball odor.	Vibracore	
15 —	OL-0140-11	1.3		SOLW	Wet, soft, gray to dark gray silt-like grains, small isolated pin-sized NAPL globules at 9 inches, 18 inches, 22 inches, 28 inches and 29 inches, brown organics at 21 inches, 0.5 inch thick or larger Solvay chunks at 14 to 16 inches, petroleum-like odor, and slight mothball odor.	Vibracore	SOLVAY WASTE
19.1	OL-0140-12	3.0		SOLW	Wet, soft, gray silt-like grains, some clay, trace fine sand, brown organics at 7 inches, some clay, black discoloration from 23 inches to 25 inches, low plasticity, mothball odor.	Vibracore	
		Null field re	adıngs indicate	e a reading	was not taken.		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10070A

Date: 08/12/2006

Weather: Mostly cloudy 63-73 deg F

Northing: 1117457.00

Easting: 924918.50

Mud Line: 360.3 Ft

Surface Water Depth: 2.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.2

Water Elev: 362.5 Ft

Attempts: 1 Depth Units: Ft

Depth Sample PID Mercury USCS Sample Soil Description Stratum Code Method Ft ID (mg/m3)(ppm) Wet, soft, gray, silt-like grains, black fine sand, shells and poorly sorted gravel at top of core, black discoloration at 20 inches and 22 inches, organics at 7 inches, and 31 inches, mothball 0 3.6 SOLW OL-0140-13 Vibracore Wet, soft, gray to dark gray, silt-like grains, little clay, black discoloration at 10 inches, 16 inches, and 33 inches, small less than 0.5 inches long NAPL stringers at 37 inches, mothball odor. SOLW OL-0140-14 0.6 Vibracore 5 Wet, soft, gray to dark gray, silt-like grains, some clay, some black fine sand, black discoloration form 14 to 16 inches, mothball odor, small pin-sized isolated SOLW NAPL globule at 36 inches. OL-0140-16 0.2 Vibracore Solvav Waste Wet, soft, dark gray to gray, silt-like grains, some clay, trace fine sand, brown organics at 12 inches and 31 inches, small pin-sized isolated NAPL globules at 6 inches, 10 inches, and 29 inches, mothball odor. 10 OL-0140-17 2.3 SOLW Vibracore Wet, soft, gray, silt-like grains, trace clay, trace fine sand, black discoloration at 7 inches and 29 inches, brown organics at 15 inches, small pin-sized isolated NAPL globule at 23 inches, mothball odor. SOLW 25 OL-0140-18 Vibracore 15 Wet, soft, gray to grayish white, silt-like grains, some clay, trace fine sand in bottom of core, black discoloration at 18 and 23 inches, hard Solvay chunks from 19 to 20 inches, mothball odor. SOLW OL-0140-19 1.9 Vibracore 19.2 Null field readings indicate a reading was not taken.

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10071

Date: 08/20/2006

Weather: Overcast light rain 73-82 deg F

Northing: 1118398.90 Easting: 925183.70

Water Elev: 362.2 Ft

Mud Line: 335.2 Ft

Logging Company: Parsons Geologist: SARA CHMURA

Attempts: 1 Depth Units: Ft

Surface Water Depth: 27.0 Ft

Penetration Depth: 20.0

Drilling Company: Ocean Survey Inc

Core Recovery Depth: 19.8

Depth	Sample	PID	Mercury	uscs		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0160-13/OL-0249-14	1.2		ML	Wet, soft, black to gray green, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	SILT
5 +	OL-0160-15/OL-0238-11	3.4		SOLW	Wet, soft, gray green to grayish white, silt-like grains, trace fine sand, black discoloration from 31 to 32 inches, an isolated NAPL stringer at 32.5 inches, mothball odor.	Vibracore	
-	OL-0160-16/OL-0238-12	2.1		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10 +	OL-0160-17/OL-0249-15	3.9		SOLW	Wet, soft, light green to green gray, silt-like grains, trace fine sand, 0.5 inch thick Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0160-18/OL-0238-13	17.1		SOLW	Wet, soft, gray green, silt-like grains, little fine sand black discoloration from 34 to 36 inches with 0.5 inch thick or smaller Solvay chunks, slight petroleum-like odor in this interval, mothball odor overall.	Vibracore	
+	OL-0160-19/OL-0238-14	8.3		SOLW	Wet, soft, gray green to grayish white, silt-like grains, little sand, 0.5 inch thick or smaller Solvay chunks in the bottom half, black discoloration at 30 inches, mothball odor.	Vibracore	
19.8		Null field re	adinge indicate	a reading	was not taken	·	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10072

Date: 08/20/2006

Weather: Overcast light rain 73-82 deg F

Core Recovery Depth: 19.8

Northing: 1118217.60

Easting: 925154.10

Mud Line: 344.1 Ft

Surface Water Depth: 18.4 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.5 Ft

Attempts: 1
Depth Units: Ft

Depth Units

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0160-07	1.3		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, 0.5 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
5 +	OL-0160-08	2.3		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, 0.5 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
	OL-0160-09	0.8		SOLW	Wet, soft, light green to gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10 +	OL-0160-10	1.6		SOLW	Wet, soft, gray to gray green, silt-like grains, trace fine sand, slight mothball odor.	Vibracore	Solvay Waste
15 —	OL-0160-11	2.1		SOLW	0 top 29 inches is wet, soft, light green, silt-like grains, trace fine sand, slight mothball odor. Rest of core is wet, soft, gray, silt-like grains, little fine sand, less than 0.5 inch thick or smaller Solvay chunks throughout, black discoloration at 37 and 39 inches, mothball odor.	Vibracore	
	OL-0160-12	0.7		SOLW	Wet, soft, gray green, silt-like grains, little fine sand, mothball odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10073

Date: 08/23/2006

Weather: Scattered clouds 68-76 deg F

Northing: 1118025.10 Easting: 925124.40 Drilling Company: Ocean Survey Inc

Water Elev: 362.3 Ft

Mud Line: 353.2 Ft

Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1
Depth Units: Ft

Surface Water Depth: 9.1 Ft

Penetration Depth: 20.0

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0170-01/OL-0245-01	4.3		SOLW	Wet, soft, gray, silt-like grains, little to trace, fine black sand, small isolated pin-sized NAPL globules from 25 to 26 inches, mothball odor.	Vibracore	
5 +	OL-0170-02/OL-0245-02	1.9		SOLW	Wet, soft, gray green silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
-	OL-0170-03/OL-0249-16	1.6		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10	OL-0170-04/OL-0245-03	2.5		SOLW	Wet, soft, light green to gray, silt-like grains, trace to little fine sand, dark gray discoloration at 26 inches and 29 to 32 inches, and at bottom of core, mothball odor.	Vibracore	Solvay Waste
15 +	OL-0170-05/OL-0245-05	1.9		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, dark gray discoloration at 23 inches, mothball odor.	Vibracore	
19.8	OL-0170-08/OL-0245-04	2.0			Wet, soft, light green to gray, silt-like grains, trace fine sand, brown organics at 31 inches, 0.5 inch thick Solvay chunks in bottom half of core, mothball odor.	Vibracore	
		Nuil field re	adings indicate	e a reading	was not taken.		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10073A

Date: 08/23/2006

Weather: Scattered clouds 68-76 deg F

Northing: 1118024.80

Drilling Company: Ocean Survey Inc

Water Elev: 362.3 Ft

Easting: 925112.80 Mud Line: 353.2 Ft Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1
Depth Units: Ft

Surface Water Depth: 9.1 Ft

Penetration Depth: 20.0

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0170-08	2.2		SOLW	Wet, soft, gray, silt-like grains, little to some black fine sand, less than 0.5 inch long isolated NAPL stringer at 30 inches, mothball odor.	Vibracore	
5 +	OL-0170-09	1.9		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
+	OL-0170-10	4.0		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10 +	OL-0170-11	2.2		SOLW	Wet, soft, light green to gray green, silt-like grains, trace fine sand, dark gray discoloration at 14, 19, and 26 inches, small pin-sized isolated NAPL globules in bottom inch of core.	Vibracore	Solvay Waste
15 —	OL-0170-12	2.2		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, dark gray discoloration at 14, 19, and 26 inches, small isolated pin-sized NAPL globules in bottom inch of core.	Vibracore	
19.8	OL-0170-13	7.7		SOLW	Wet, soft, light green to gray, silt-like grains, trace fine sand, brown discoloration at 17 and 27 inches, mothball odor.	Vibracore	
		Null field re	adings indicate	e a reading	g was not taken.		

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10074

Date: 08/21/2006

Weather: Partly cloudy 68-76 deg F

Core Recovery Depth: 19.8

Northing: 1117740.6

Easting: 925137.1

Mud Line: 356.9 Ft

Surface Water Depth: 5.6 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.5 Ft

Attempts: 1
Depth Units: Ft

Deptil Offits.

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Depth	Sample	PID	Mercury	USCS		Sample	O
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0165-01	1.9		SOLW	Wet, soft to hard, gray, silt-like grains, little fine sand, trace organics, 1.0 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
5 —	OL-0165-02	0.9		SOLW	0 to 24 inches is wet, hard, gray, silt-like grains, some fine sand. Rest of core is wet, soft, gray green, silt-like grains, little fine sand, trace organics, mothball odor.	Vibracore	
-	OL-0165-03	3.4		SOLW	0 to 20 inches is wet, soft, bright green, silt-like grains, trace fine sand, dark gray discoloration at 12 inches. Rest of core, is wet, hard to soft, gray, silt-like grains and black fine sand, mothball odor.	Vibracore	
10 +	OL-0165-04	2.4		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0165-05	2.0		SOLW	Wet, soft to hard, grayish white, silt-like grains, trace fine sand, 1.0 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
19.8	OL-0165-06	1.9		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, black discoloration at 4.5 inches, mothball odor.	Vibracore	
19.8		Null field re	eadings indicate	a reading	g was not taken.	1	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10075

Date: 08/12/2006

Weather: Mostly cloudy 63-73 deg F

Northing: 1117274.00 Easting: 925124.10

Drilling Company: Ocean Survey Inc

Water Elev: 362.5 Ft

Stratum

Mud Line: 360.3 Ft

Logging Company: Parsons Geologist: SARA CHMURA

Attempts: 1 Depth Units: Ft

Surface Water Depth: 2.2 Ft

Penetration Depth: 20.0 Core Recovery Depth: 18.9

Mercury USCS PID Sample Depth Sample Soil Description Ft ID Method (mg/m3) Code (ppm)

	10	(PPIII)	(mg/mo)	Oouc		Wictiioa	
0 -	OL-0140-01	3.9			Wet, soft, gray silt-like grains, little clay, trace fine sand, 1/16 of an inch thick black fine to medium grain sand lenses at 8 inches and 13 inches, 1-inch thick or larger Solvay chunks throughout, small pin size NAPL globules at 28 inches, mothball odor.	Vibracore	
5 -	OL-0140-02	0.9		SOLW	Wet, soft, gray to blue green, silt-like grains trace fine sand, trace clay, dark gray discolorations at 24 inches, less than 0.5 inch thick or smaller Solvay chunks within dark gray discoloration, small pin-sized isolated NAPL globules at 29 inches, mothball odor and very slight petroleum-like odor.	Vibracore	Solvay Waste
- - -	OL-0140-03	1.8		ML	Wet, soft, dark gray to gray, SILT, little to trace clay, black discoloration from 7 inches to 22 inches, small pin-sized NAPL globules at 23 inches, petroleum-like odor, trace fine black sand bottom 4 inches.	Vibracore	
10 +	OL-0140-04	2.9		ML	Wet, soft, dark gray SILT, some clay, low plasticity, black discoloration at 31 inches to 34 inches, small pin-sized isolated NAPL globules at 19 inches, petroleum-like odor.	Vibracore	SILT
15 —	OL-0140-05	2.3		SOLW	0 to 15 inches is wet, soft, black SILT, some black coal-like fragments, petroleum-like odor. Rest of core is grayish white to green, silt-like grains, trace clay, mothball odor.	Vibracore	
+	OL-0140-06	1.9		SOLW	Wet, soft to medium stiff, grayish pink silt-like grains, black discoloration at 18 inches, mothball odor.	Vibracore	Solvay Waste

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10076

Date: 08/16/2006

Weather: Mostly cloudy 69-78 deg F

Northing: 1117526.40 Easting: 925240.30 Drilling Company: Ocean Survey Inc

Water Elev: 362.5 Ft

Mud Line: 357.8 Ft

Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1
Depth Units: Ft

Surface Water Depth: 4.7 Ft

Penetration Depth: 17.5

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Depth	Sample	PID	Mercury	USCS		Sample	. .
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0149-07/OL-0245-06	0.9		SOLW	Wet, medium stiff to medium hard, gray to dark gray, silt-like grains, some black fine to medium grained sand, 1-inch thick or larger Solvay chunks throughout, mothball odor	Vibracore	
5 +	OL-0149-08/OL-0245-07	3.1		SOLW	Wet, soft to medium stiff, gray green, silt-like grains, little fine sand, some 0.5 inch thick Solvay chunks throughout about a 0.5 inch in length, mothball odor.	Vibracore	
+		15.1		SOLW	Wet, soft to medium stiff, gray silt-like grains, trace fine sand brown discoloration at 27 inches and 29 inches, 1.0 inch thick Solvay chunks throughout 1.0 inch thick, mothball odor.	Vibracore	
10 +	OL-0149-11/OL-0245-08	25.8		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, blue green discoloration form 9 to 15 inches, tan discoloration 1/16 of an inch thick at 36 inches, mothball odor.	Vibracore	Solvay Waste
15 +	OL-0149-12/OL-0249-17	21.2			Wet, soft, gray, silt-like grains, trace fine sand, tan discoloration at 22 inches, 24 inches, at 37 inches is a dark brown 0.5 inch diameter circular discoloration, mothball odor.	Vibracore	
19.8	OL-0149-13/OL-0245-09	62.6		SOLW	Wet, medium stiff to hard, dark gray to gray, silt-like grains, some black fine sand, 0.5 inch thick tan discoloration at 2 inches, large 0.5 inch to 1.0 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
19.8		Null field re	adings indicate	e a reading	was not taken.		

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10077

Date: 08/23/2006

Weather: Scattered clouds 68-76 deg F

Northing: 1118080.00

Drilling Company: Ocean Survey Inc

Water Elev: 362.4 Ft

Easting: 925345.50

Logging Company: Parsons

Attempts: 1

Mud Line: 349.5 Ft

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 12.9 Ft

Penetration Depth: 20.0 Core Recovery Depth: 17.9

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0170-14/OL-0249-18	4.0		SOLW	0 to 18 inches is wet, very soft, dark gray to gray, silt-like grains, 0.5 inch thick or smaller Solvay chunks throughout. Rest of core is wet, soft to hard, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
5 +	OL-0170-15/OL-0245-10	5.1		SOLW	Wet, soft to medium stiff, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
-	OL-0170-16/OL-0245-11	50.3		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, small 1/8 of an inch in diameter NAPL pockets from 10 to 12 inches, trace organics, mothball odor.	Vibracore	Solvay Waste
10 +	OL-0170-17/OL-0249-19	2.9		SOLW	Wet, soft to medium stiff, gray, silt-like grains, trace fine sand, black coal-like fragments at 26 inches, mothball odor.	Vibracore	
15 —	OL-0170-18/OL-0245-12	0.5		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, black coal-like fragments at 33 inches, mothball odor.	Vibracore	
17.9	OL-0170-19/OL-0245-13	4.3			Wet, soft to stiff, green, silt-like grains, trace fine sand, mothball odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10078

Date: 08/23/2006

Weather: Scattered clouds 68-76 deg F

Northing: 1117846.00

Drilling Company: Ocean Survey Inc

Water Elev: 362.4 Ft

Easting: 925415.90

Logging Company: Parsons

Attempts: 1

Mud Line: 354.2 Ft

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 8.2 Ft Penetration Depth: 18.0 Core Recovery Depth: 19.8

Depth	Sample	PID	Mercury	uscs		Sample				
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum			
0 -	QL-0171-01/QL-0248-05	0.0		SW	Wet, very dense, dark gray, fine well sorted sand and silt-like grains, slight mothball odor, organic odor.	Vibracore	SAND-SILT			
5 -	OL-0171-02/OL-0248-06	30.3		SOLW	Wet, hard to medium stiff, gray, silt-like grains, some black fine sand, trace organics, brown discoloration at 15 inches, mothball odor.	Vibracore				
-	OL-0171-03/OL-0248-07	2.4		SOLW	Wet, soft, grayish white, silt-like grains, little to trace fine sand, 1 inch thick Solvay chunks throughout, light brown discoloration throughout, mothball odor.	Vibracore				
10 -	OL-0171-04/OL-0249-20	4.4		SOLW	Wet, medium stiff, gray, silt-like grains, trace fine sand, 0.5 to 1.0 inch thick Solvay chunks throughout, 1/16 of an inch thick fine sand seam at 30 inches.	Vibracore	Solvay Waste			
15 -	OL-0171-05/OL-0248-08	5.9		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, 0.5 to 1 inch thick Solvay chunks throughout, trace organics, mothball odor.	Vibracore				
19.8	OL-0171-08/OL-0248-09	3.1		SOLW	Wet, medium stiff, gray, silt-like grains, little to trace fine sand, black coal-like fragments at 12 inches, trace organics, mothball odor.	Vibracore				
	Null field readings indicate a reading was not taken.									

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10078A

Date: 08/23/2006

Weather: Scattered clouds 68-76 deg F

Northing: 1117845.20

Easting: 925416.60

Mud Line: 354.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA Water Elev: 362.3 Ft

Attempts: 1
Depth Units: Ft

Surface Water Depth: 8.0 Ft Penetration Depth: 17.7 Core Recovery Depth: 19.8 Depth Sample PID Mercury USCS Sample Soil Description Stratum Method Ft ID (ppm) (mg/m3) Code 0 to 12 inches is wet, dense to medium dense, black, fine SAND and shells. Rest of core is wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, mothball odor. 0 SAND 5.3 SOLW OL-0171-07 Vibracore Wet, soft, gray, silt-like grains, trace fine sand, brown discoloration from 14 to 16 inches, trace organics, mothball odor. SOLW OL-0171-08 3.4 Vibracore 5 Wet, soft, grayish white, silt-like grains, trace fine sand, mothball odor. SOLW OL-0171-10 25 Vibracore 10 Wet, soft, grayish white, silt-like grains, little fine sand, 1.0 inch thick Solvay chunks throughout, mothball odor. Solvay Waste OL-0171-11 0.8 SOLW Vibracore Wet, soft, grayish white, silt-like grains, little fine sand, 1.0 inch thick Solvay chunks throughout, mothball odor. SOLW 0.3 OL-0171-12 Vibracore 15 Wet, soft to medium stiff, gray, silt-like grains, little to trace fine black sand, trace organics, 1.0 inch thick Solvay chunks throughout, mothball SOLW odor. OL-0171-13 2.1 Vibracore 19.8 Null field readings indicate a reading was not taken.

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10079

Date: 08/21/2006

Weather: Partly cloudy 68-76 deg F

Northing: 1117654.2

Easting: 925420.7

Mud Line: 355.9 Ft Surface Water Depth: 6.6 Ft **Drilling Company: Ocean Survey Inc**

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0 Core Reco

Water Elev: 362.5 Ft

Attempts: 2 Depth Units: Ft

Core Recovery Depth: 18.9

					, , , , , , , , , , , , , , , , , , , ,		
Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0165-07	0.8		SOLW	Wet, soft, gray green to grayish white, silt-like grains, trace fine sand, 1.0 inch thick or larger Solvay chunks throughout, black poorly sorted sand lens from 23 to 29 inches, slight mothball odor.	Vibracore	
5 +	OL-0165-08	1.8		SOLW	Wet, soft, grayish white, silt-like grains, little black fine sand throughout, 1.0 inch thick or larger Solvay chunks throughout, mothball odor.	Vibracore	
	OL-0165-09	60.2		SOLW	Wet, soft, gray, silt-like grains, some fine sand, 1.0 inch thick or larger Solvay chunks throughout, less than 0.5 inch long NAPL stringer at 36 inches, mothball odor.	Vibracore	Solvay Waste
10 +	OL-0165-10	1.2		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, black discoloration at 17 inches, 1.0 inch thick or larger Solvay chunks throughout, mothball odor.	Vibracore	
15 —	OL-0165-11	1.8		SOLW	Wet, soft, grayish white, silt-like grains, little fine sand, Solvay chunks throughout, mothball odor.	Vibracore	
18.9	OL-0165-12	0.6			Wet, soft, grayish white, silt-like grains, little black fine sand throughout, 1.0 inch thick or larger Solvay chunks throughout, mothball odor.	Vibracore	
		Null field re	eadings indicate	e a reading	y was not taken.		

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10080

Date: 08/12/2006

Weather: Mostly cloudy 63-73 deg F

Northing: 1116980.60

Drilling Company: Ocean Survey Inc

Water Elev: 362.5 Ft

Easting: 925396.30 Mud Line: 360.6 Ft

Logging Company: Parsons

Attempts: 1

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 1.9 Ft

Penetration Depth: 20.0 Core Recovery Depth: 19.3

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0139-01/OL-0245-14	0.3		SOLW	Wet, soft, gray green to gray, silt-like grains, trace fine sand, trace clay in bottom foot of core, black discoloration at 17 inches and 24 inches, dark gray discoloration from 36 inches to 39 inches, slight petroleum-like odor, and slight mothball odor.	Vibracore	
5 +	OL-0139-02/OL-0250-01	0.3		SOLW	Wet, soft, dark gray to black, to grayish white, silt-like grains, little to trace fine sand, coal-like fragments from 30 to 35 inches, fine sand lens about 1/8 inch thick at 36 inches, petroleum-like odor and slight mothball odor.	Vibracore	
-	OL-0139-03/OL-0245-15	0.0		SOLW	Wet, soft, grayish white with pink discoloration throughout, silt-like grains, trace clay, dark gray discoloration at 24 and 34 inches, mothball odor.	Vibracore	Solvay Waste
10	OL-0139-04/OL-0245-16	0.1		SOLW	Wet, soft to medium stiff, gray white, silt-like grains, trace fine sand in top half of core, tan discoloration in top 2 inches of core, mothball odor.	Vibracore	
15 —	OL-0139-05/OL-0250-02	0.0		SOLW	Wet, soft, grayish white, silt-like grains, trace clay in bottom of core, black discoloration at bottom 2 inches, mothball odor.	Vibracore	
19.3	OL-0139-06/OL-0245-17	0.1 Null field re	eadings indicate	SOLW	Wet, soft, grayish pink, silt-like grains, tan discoloration at 10 inches and 23 inches, mothball odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10080A

Date: 08/12/2006

Weather: Mostly cloudy 63-73 deg F

Northing: 1116982.20

Easting: 925394.20 Mud Line: 360.6 Ft

Surface Water Depth: 1.9 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.5 Ft

Attempts: 1
Depth Units: Ft

D "	0 1	DID		11000	I		
Depth	Sample	PID	Mercury	USCS	Soil Description	Sample	Stratum
Ft 0	ID OL-0139-07	(ppm) 0.1	(mg/m3)	ML	Wet, soft, grayish green to dark gray SILT, trace fine sand in top half of core, little medium sand in top half of core, black discoloration at 21 inches and 29 inches, mothball odor and slight petroleum-like odor.	Method	SILT
5 —	OL-0139-08	2.1		ML	0 to 23 inches is dark gray, wet, soft, SILT, little clay, slight petroleum-like odor, small pin-sized isolated NAPL globules at 12 inches, 23 to 33 inches is black, loose, poorly sorted gravel and coal-like fragments, trace organics, petroleum-like odor. Rest of core is wet, soft, grayish white silt-like grains, mothball odor.	Vibracore	GRAVEL
	OL-0139-10	0.0		SOLW	Wet, soft, grayish pink to gray white, silt-like grains, trace fine sand, dark brown discoloration at 29 inches, mothball odor.	Vibracore	
10	OL-0139-11	0.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, dark gray discoloration at 35 inches, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0139-12	0.0		SOLW	Wet, soft, grayish white, silt-like grains, pink discoloration in bottom of core, mothball odor.	Vibracore	
19.3	OL-0139-13	0.3		SOLW	Wet, soft, grayish white, silt-like grains, trace clay, pink discoloration at 17 inches, 25 inches, and 31 inches, mothball odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10081

Date: 08/15/2006

Weather: Scattered clouds 71-80 deg F

Northing: 1117441.00

Easting: 925496.00

Mud Line: 357.6 Ft

Surface Water Depth: 5.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.6 Ft

Attempts: 2 Depth Units: Ft

Depth	Sample	PID	Mercury	USCS	·	Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0146-14	1.1		SOLW	Wet, soft to medium stiff, gray, silt-like grains, trace fine sand, fine to medium grain sand seam 1/8 of an inch thick at 9.5 inches, mothball odor.	Vibracore	
5 +	OL-0146-15	9.0		SOLW	Wet, soft to stiff, grayish white, silt-like grains, little black fine sand, 1.0 inch long Solvay chunks bottom half of core, trace organics, mothball odor.	Vibracore	
+	OL-0146-16	0.0		SOLW	Wet, soft to medium stiff, gray, silt-like grains, little black fine sand, mothball odor.	Vibracore	
10 +	OL-0146-17	0.0		SOLW	Wet, soft to medium stiff, gray silt-like grains, trace fine sand, black fine sand seams from 31 inches to 33 inches, mothball odor.	Vibracore	Solvay Waste
15 +	OL-0146-18	2.9		SOLW	Wet, soft, gray, silt-like grains, little fine sand, black discoloration at 29 inches, trace organics, small black silt lens 1/16 of an inch thick at 8.5 inches, mothball odor.	Vibracore	
19.8	OL-0146-19	1.8		SOLW	Wet, soft to medium stiff, gray, silt-like grains, little to trace fine sand, tan discoloration at 8.5 inches, and 31 inches, mothball odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10081A

Date: 08/15/2006

Weather: Scattered clouds 71-80 deg F

Northing: 1117443.50

Surface Water Depth: 4.9 Ft

Drilling Company: Ocean Survey Inc

Water Elev: 362.6 Ft

Easting: 925496.80

Logging Company: Parsons

Attempts: 1

Mud Line: 357.7 Ft

Depth Units: Ft

Geologist: SARA CHMURA Penetration Depth: 20.0

Sample	PID	Maraumi	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	i	1	
		Mercury	uscs		Sample	01.1
ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
OL-0147-01/OL-0248-01	0.0		SOLW	Wet, soft, gray, silt-like grains, top half inch is black fine sand, fine black seam at 23.5 inches, mothball odor.	Vibracore	
OL-0147-02/OL-0250-03	1.7		SOLW		Vibracore	
OL-0147-03/OL-0248-02	0.0		SOLW	Wet, medium stiff to soft, gray, silt-like grains, trace to little black fine sand, trace organics, 2 inch thick black sand and Solvay chunk at 4 inches, mothball odor.	Vibracore	Salvay Meete
OL-0147-04/OL-0248-03	0.0		SOLW	Wet, soft, medium stiff, gray silt-like grains, little to trace fine sand, mothball odor.	Vibracore	Solvay Waste
OL-0147-05/OL-0248-04	0.0		SOLW	Wet, medium stiff to hard, silt-like grains, little fine sand, black fine sand seam at 36 inches, mothball odor.	Vibracore	
OL-0147-06/OL-0250-04	0.0		SOLW	Wet, soft to medium stiff, gray silt-like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0147-02/OL-0250-03 OL-0147-03/OL-0248-02 OL-0147-05/OL-0248-04	OL-0147-02/OL-0250-03 1.7 OL-0147-03/OL-0248-02 0.0 OL-0147-04/OL-0248-03 0.0 OL-0147-05/OL-0248-04 0.0	OL-0147-02/OL-0250-03 1.7 OL-0147-03/OL-0248-02 0.0 OL-0147-04/OL-0248-03 0.0 OL-0147-05/OL-0248-04 0.0	0L-0147-02/0L-0250-03	OL-0147-04/OL-0248-03 OL-0147-04/OL-0248-03 OL-0147-04/OL-0248-03 OL-0147-04/OL-0248-03 OL-0147-04/OL-0248-03 OL-0147-04/OL-0248-03 OL-0147-04/OL-0248-04 OL-0147-04/OL-0248-03 OL-0147-04/OL-0248-04 OL-0147-04/OL-0248-04	OL-0147-04/OL-0246-03 OL-0147-04/OL-0246-04 OL-0147-04/OL-0246-04

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10082

Date: 08/20/2006

Weather: Overcast light rain 73-82 deg F

Northing: 1118354.30

Drilling Company: Ocean Survey Inc

Water Elev: 362.6 Ft

Easting: 925614.90 Mud Line: 333.6 Ft Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1
Depth Units: Ft

Surface Water Depth: 29.0 Ft

Penetration Depth: 20.0

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0161-01	0.0		ML	Wet, soft, black, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	
5 +	OL-0161-02	5.4		ML	Wet, soft, black, SILT, little fine sand.	Vibracore	SILT
	OL-0161-03	9.2		SOLW	0 to 6 inches is wet, soft gray, SILT, trace fine sand. Rest of core is wet, soft, silt-like grains, little sand, Solvay chunks throughout, mothball odor.	Vibracore	
10 + -	OL-0161-04	5.6		SOLW	Wet, soft, grayish white to gray green, silt-like grains, trace fine sand, Solvay chunks throughout, black discoloration at 26 inches and 35 to 36 inches, slight mothball odor.	Vibracore	
15 —	OL-0161-05	10.2		SOLW	Wet, soft, light gray to grayish white, silt-like grains, little fine sand, 0.5 inch thick or smaller Solvay chunks in the bottom half, black discoloration at 32.5 inches, mothball odor.	Vibracore	Solvay Waste
+	OL-0161-06	5.4		SOLW	Wet, soft, gray green to grayish white, silt-like grains ,little fine sand, Solvay chunks at 12 inches, and 31 inches, bottom half has a hydrocarbon-like odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10083

Date: 08/24/2006

Weather: Scattered clouds 68-77 deg F

Northing: 1118077.40

Drilling Company: Ocean Survey Inc

Water Elev: 362.4 Ft

Easting: 925633.80 Mud Line: 344.1 Ft Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1
Depth Units: Ft

Surface Water Depth: 18.3 Ft

Penetration Depth: 20.0

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0174-01	28.2		SOLW	Wet, soft, gray green, silt-like grains, little to trace fine sand, black discoloration from 33 to 35 inches, mothball odor. PID may be influenced by high humidity.	Vibracore	
5 +	OL-0174-02	0.0		SOLW	Wet, soft, dark gray to gray, silt-like grains, trace fine sand, black discoloration for 13 inches to 19 inches, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	
	OL-0174-03	0.0		SOLW	Wet, soft, dark gray to gray, silt-like grains, trace fine sand, trace organics, black discoloration at 22 inches to 28 inches, mothball odor.	Vibracore	
10 +	OL-0174-04	0.0		SOLW	Wet, soft, grayish white, silt-like grains, little to trace fine sand, blue circular discoloration at 11 and 13 inches, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0174-05	0.0		SOLW	Wet, soft to medium stiff, grayish white, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
19.8	OL-0174-06	0.0	eadings indicate	SOLW	Wet, soft to medium stiff, grayish white, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10083A

Date: 08/24/2006

Weather: Scattered clouds 68-77 deg F

Northing: 1118076.40 Easting: 925631.90

Drilling Company: Ocean Survey Inc

Water Elev: 362.4 Ft Attempts: 2

Mud Line: 344.1 Ft

Logging Company: Parsons Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 18.3 Ft

Penetration Depth: 20.0

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Sample	PID	Mercury	USCS		Sample	
ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
OL-0174-07	0.0		ML	0 to 25 inches is wet, very soft, black to dark gray, SILT, trace fine sand, trace organics, hydrocarbon-like odor. Rest of core is dark gray to gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	SILT
OL-0174-08	0.0		SOLW	Wet, soft, green to dark gray, silt-like grains, trace fine sand, black discoloration at 11, 25, and bottom 2 inches of core, trace organics, mothball odor.	Vibracore	
OL-0174-10	0.0		SOLW	Wet, soft, gray green to dark gray, silt-like grains, trace organics, black coal-like fragments at 34 inches, mothball odor.	Vibracore	
OL-0174-11	0.0		SOLW	Wet, soft, grayish white, silt-like grains, little to trace fine sand, trace organics, mothball odor.	Vibracore	Solvay Waste
OL-0174-12	0.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, small pin-sized NAPL globules at 34 inches, mothball odor.	Vibracore	
OL-0174-13	0.0		SOLW	Wet, soft to hard, grayish white silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
	OL-0174-07 OL-0174-08 OL-0174-10 OL-0174-11	OL-0174-07 0.0 OL-0174-08 0.0 OL-0174-10 0.0 OL-0174-11 0.0 OL-0174-12 0.0	ID (ppm) (mg/m3) OL-0174-07	ID	ID (ppm) (mg/m3) Code Soil Description 0 to 25 inches is wet, very soft, black to dark gray, SILT, trace fine sand, trace organics, hydrocarbon-like odor. Rest of core is dark gray to gray, silt-like grains, trace fine sand, black discoloration at 11, 25, and bottom 2 inches of core, trace organics, mothball odor. OL-0174-10 0.0 Wet, soft, green to dark gray, silt-like grains, trace fine sand, black discoloration at 11, 25, and bottom 2 inches of core, trace organics, mothball odor. OL-0174-10 0.0 Wet, soft, gray green to dark gray, silt-like grains, trace organics, black coal-like fragments at 34 inches, mothball odor. OL-0174-11 0.0 SOLW Wet, soft, grayish white, silt-like grains, little to trace fine sand, trace organics, mothball odor. OL-0174-12 0.0 SOLW Wet, soft, grayish white, silt-like grains, trace fine sand, small pin-sized NAPL globules at 34 inches, mothball odor. SOLW Wet, soft to hard, grayish white silt-like grains, trace fine sand, trace organics, mothball odor.	ID (ppm) (mg/m3) Code Soil Description Method Code Soil Description Method

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10084

Date: 08/23/2006

Weather: Scattered clouds 68-76 deg F

Northing: 1117489.50

Easting: 925660.70

Mud Line: 355.4 Ft Surface Water Depth: 7.0 Ft Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.4 Ft

Attempts: 1 Depth Units: Ft

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0171-14	0.0			Wet, soft to medium stiff, gray to grayish white, silt-like grains, some black fine sand, 1 inch thick Solvay chunks throughout, fine to medium grained poorly sorted sand seam at 33 inches, seam is 1/8 inch thick, mothball odor.	Vibracore	
5 +	OL-0171-15	0.0		SOLW	Wet, soft to medium stiff, gray to gray green, silt-like grains, some black fine sand, 1 inch thick Solvay chunks throughout, black discoloration at 29.5 inches, small 1/8 inch isolated NAPL globule at 4 inches, mothball odor.	Vibracore	
+	OL-0171-16	2.3		SOLW	Wet, soft, gray green to gray, silt-like grains, little to trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, trace brown organics in top half of core, mothball odor.	Vibracore	
10 +	OL-0171-17	0.0		SOLW	Wet, soft, grayish white to light green, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0171-18	7.7		SOLW	Wet, soft, gray, silt-like grains, some black fine sand, light brown organics in bottom of core, mothball odor.	Vibracore	
19.8	OL-0171-19	4.5	adings indicate	SOLW	Wet, soft, gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10085

Date: 08/22/2006

Weather: Partly cloudy 68-82 deg F

Northing: 1117135.00

Easting: 925641.90

Mud Line: 358.5 Ft

Surface Water Depth: 3.8 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0 Core Recovery Depth: 19.8

Water Elev: 362.3 Ft

Attempts: 1
Depth Units: Ft

Depth Sample PID Mercury USCS Sample Soil Description Stratum Ft ID (mg/m3) Code Method (ppm) Wet, soft, grayish white to gray, silt-like grains, trace fine sand, trace clay, trace organics in top of core, mothball odor. 0 SOLW OL-0166-01 0.3 Vibracore Wet, soft, gray, silt-like grains, some black fine sand, 1 inch Solvay chunks throughout, tan discoloration at 20 inches, mothball odor. OL-0166-02 5.7 SOLW Vibracore 5 Wet, soft, gray, silt-like grains, some black fine sand, 1 inch Solvay chunks throughout. SOLW 15.2 OL-0166-03 Vibracore Solvay Waste 10 Wet, soft, light green to gray, silt-like grains, trace fine sand, mothball odor. OL-0166-04 30.2 SOLW Vibracore Wet, soft, gray to light green, silt-like grains, trace fine sand, trace organics, mothball odor. SOLW OL-0166-06 2.2 Vibracore 15 Wet, soft, gray green to gray, silt-like grains, some black fine sand, black discoloration from 23 to 25 inches, small pin-sized isolated NAPL globules at 34 inches. SOLW 1.4 OL-0166-07 Vibracore 19.8 Null field readings indicate a reading was not taken.

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10086

Date: 08/11/2006

Weather: Partly cloudy 62-72 deg F

Northing: 1116945.80

Easting: 925660.60 Mud Line: 359.4 Ft

Surface Water Depth: 3.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0 Core Recovery Depth: 18.0 Water Elev: 362.4 Ft

Attempts: 3

Depth Units: Ft

				•	, ,		
Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0143-07	0.9		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, 1-inch thick or larger Solvay chunks throughout, black discoloration at 4 inches, black fine sand lens at 15 inches, trace organics, mothball odor.	Vibracore	Solvay Waste
5 —	OL-0143-08	0.0		SOLW	0 to 37 inches wet, medium stiff to soft, gray green, silt-like grains, trace fine sand, black discoloration at 21.5 inches, mothball odor. Rest of core dark gray green to black, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	Suvay vvaste
-	OL-0143-09	2.0		ML	Wet, soft, black to dark gray SILT, little clay, trace fine sand, small 1/8 inch diameter pockets of NAPL from 12 inches to 24 inches, petroleum-like odor.	Vibracore	SILT
10	OL-0143-10	0.0		SOLW	0 to 12 inches wet, soft, black, SILT, trace fine sand in clay grading into Solvay waste. Rest of core wet, soft, gray green grayish white, silt-like grains, with trace fine sand, mothball odor.	Vibracore	
15 —	OL-0143-12	0.0		SOLW	Wet, medium stiff, gray to grayish white, silt-like grains, trace fine sands, mothball odor.	Vibracore	Solvay Waste
18.0	OL-0143-13	0.0		solw	Wet, soft, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10.0		Null field re	eadings indicate	e a reading	g was not taken.		

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10086A

Date: 08/14/2006

Weather: Scattered clouds 67-80 deg F

Northing: 1116944.40

Easting: 925659.40

Mud Line: 359.4 Ft Surface Water Depth: 3.0 Ft Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.4 Ft

Attempts: 1
Depth Units: Ft

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0143-14	0.2		SOLW	Wet, soft, grayish white, silt-like grains, little fine sand throughout, 1-inch thick or larger Solvay chunks throughout, black discoloration at 0.5 inches, mothball odor.	Vibracore	
5 +	OL-0143-15	0.2		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, 1-inch thick or larger Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
					0 to 10 inches, wet, soft to medium		
_	OL-0143-16	0.0		ML	stiff, light green, silf-like grains (SOLW), rest of core dark gray to black, wet, very soft, SILT, little clay, trace fine sand, petroleum-like odor, small 1/8 inch pockets of NAPL from 32 to 36 inches.	Vibracore	SILT
10 +					0 to 20 inches wet, soft, black, SILT,		OILI
- - -	OL-0143-17	0.2		SOLW	waste. Rest of core gray green to grayish white, wet, soft, silt-like grains, trace fine sand, slight mothball odor.	Vibracore -	
15 —	OL-0143-18	0.0		SOLW	Wet, medium stiff to soft, grayish white, silt-like grains, trace fine sand, black discoloration at 21 inches, trace organics, mothball odor.	Vibracore	Solvay Waste
	OL-0143-19	0.0		SOLW	Wet, medium stiff to stiff, grayish white silt-like grains, trace fine sand, 1-inch thick or larger Solvay chunks throughout, mothball odor.	Vibracore	
18.8		Null field re	eadings indicate	a reading	g was not taken.		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10087

Date: 08/12/2006

Weather: Mostly cloudy 63-73 deg F

Northing: 1116769.10 Easting: 925592.60 Drilling Company: Ocean Survey Inc

Water Elev: 362.6 Ft

Mud Line: 360.4 Ft

Logging Company: Parsons Geologist: SARA CHMURA Attempts: 2 Depth Units: Ft

Surface Water Depth: 2.2 Ft

Penetration Depth: 18.5

Core Recovery Depth: 19.0

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0139-14	0.1		SOLW	Wet, medium stiff to hard, silt-like grains, pink discoloration at 31 inches, top 4 inches is dark gray, SILT, little clay, some 0.5 inch or smaller gravel, some shells, slight petroleum-like odor and mothball odor.	Vibracore	
5 +	OL-0139-15	0.0		SOLW	Wet, soft, grayish pink, silt-like grains, black fine sand in top 12 inches of core, 1-inch thick or larger Solvay chunks in top 12 inches of core, trace organics, mothball odor.	Vibracore	
+	OL-0139-16	0.1		SOLW	Wet, soft, grayish white, silt-like grains, trace clay, 1-inch thick or larger Solvay chunks throughout, tan discoloration at 30 inches, mothball odor.	Vibracore	Solvay Waste
10 +	OL-0139-17	0.0		SOLW	Wet, soft, grayish white, silt-like grains, trace clay, brown discoloration at 7 inches, 12 inches, 18 inches, 22 inches, and 34 inches, trace 1-inch thick or larger Solvay chunks, mothball odor.	Vibracore	
15 +	OL-0139-18	0.0		SOLW	Wet, soft, medium stiff, silt-like grains, trace fine sand in top 4 inches of core, trace clay, dark gray discoloration at 6 inches, grayish pink discoloration at 34 inches, mothball odor.	Vibracore	
19.0	OL-0139-19	0.0		SOLW	Wet, soft to medium stiff, grayish white, silt-like grains, some fine black sand, 1-inch thick or larger Solvay chunks in bottom 7 inches of core, mothball odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10088

Date: 08/24/2006

Weather: Scattered clouds 68-77 deg F

Northing: 1117764.50

Easting: 925722.10 Mud Line: 353.1 Ft

Surface Water Depth: 9.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0 Core Recovery Depth: 19.8

Water Elev: 362.4 Ft

Attempts: 1
Depth Units: Ft

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0174-14	0.0		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	
5 —	OL-0174-15	0.0		SOLW	Wet, soft to medium stiff, gray green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
	OL-017 4 -16	0.0		SOLW	Wet, soft, gray green, silt-like grains, little fine sand, trace organics, mothball odor.	Vibracore	
10 +	OL-0174-17	0.0		SOLW	Wet, soft to medium stiff, gray green, silt-like grains, black coal-like organics at 10 inches, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0174-18	0.0		SOLW	Wet, soft to medium stiff, gray to gray green, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
19.8	OL-0174-19	0.0		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10089

Date: 08/22/2006

Weather: Partly cloudy 68-82 deg F

Northing: 1117288.40

Drilling Company: Ocean Survey Inc

Water Elev: 362.4 Ft

Easting: 925742.90

Logging Company: Parsons

Attempts: 1

Mud Line: 356.6 Ft

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 5.8 Ft

Penetration Depth: 20.0

Core Recovery Depth: 19.7

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0166-08/OL-0248-10	1.9		SOLW	0 to 11 inches is wet, soft, black to dark gray, silt-like grains, some fine sand and gravel, trace organics. Rest of core is wet, medium stiff, gray, silt-like grains, trace fine sand, 1 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
5 -	OL-0166-09/OL-0248-11	1.9		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
-	OL-0166-10/OL-0248-12	1.5		SOLW	Wet, soft, bright green, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
10	OL-0166-11/OL-0248-13	1.2		SOLW	Wet, soft, bright green, silt-like grains, trace fine sand, mothball odor.	Vibracore	Sulvay vvaste
15 —	OL-0168-12/OL-0258-08	1.2		SOLW	Wet, soft, bright green, silt-like grains, trace fine sand, small pin-sized NAPL globule at 17 inches, mothball odor.	Vibracore	
19.7	OL-0166-13/OL-0248-14	0.7	eadings indicate	SOLW	Wet, soft, bright green, silt-like grains, trace fine sand, mothball odor. was not taken.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10090

Date: 08/20/2006

Weather: Overcast light rain 73-82 deg F

Northing: 1118132.30

Drilling Company: Ocean Survey Inc

Water Elev: 362.5 Ft

Easting: 925905.20

Logging Company: Parsons

Attempts: 1

Mud Line: 338.8 Ft

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 23.7 Ft

Penetration Depth: 20.0 Core Recovery Depth: 19.8

Depth	Sample	PID	Mercury	uscs		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
-	OL-0161-07/OL-0248-15	4.2		ML	Wet, soft, black, SILT.	Vibracore	SILT
5 +	- OL-0161-09/OL-0256-09	19.8		ML	Wet, soft, black to gray, SILT.	Vibracore	OIE.
+	OL-0161-10/OL-0248-16	12.4			Wet, soft, gray to white gray, silt-like grains, trace fine sand, black discoloration at 18 and 22 inches, 0.5 inch thick or smaller Solvay chunks from 33 inches to end of core.	Vibracore	
10	OL-0161-11/OL-0248-17	5.4		SOLW	Top 3 inches is wet, medium stiff, gray, silt-like grains, little sand, mothball odor. Rest of core is wet, soft, grayish white, silt-like grains, trace fine sand, black discoloration at 3 inches, slight hydrocarbon odor and mothball odor.	Vibracore	
15 -	_ OL-0161-12/OL-0248-18	8.9		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, black discoloration at 7 inches and 29 inches, isolated pin- sized NAPL globules at 19.5 inches, mothball odor.	Vibracore	Solvay Waste
19.8	OL-0161-13/OL-0248-19	22.4			Wet, soft gray green to grayish white, silt-like grains, trace fine sand, black discoloration from 0 to 2 inches, 1-inch thick or larger Solvay chunks in bottom half.	Vibracore	
		Null field re	adings indicate	e a reading	g was not taken.		

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10091

Date: 08/24/2006

Weather: Scattered clouds 68-77 deg F

Northing: 1117683.10

Easting: 925945.20

Mud Line: 352.9 Ft Surface Water Depth: 9.5 Ft Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.4 Ft

Attempts: 1
Depth Units: Ft

Core Recovery Depth: 19.6

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0172-01	788.0		SOLW	Wet, soft, dark gray to grayish white, silt-like grains, trace fine sand, trace organics, black discoloration throughout, mothball odor and slight petroleum-like odor.	Vibracore	
5 +	OL-0172-02	8.8		SOLW	Wet, soft to hard to medium stiff, gray, silt-like grains, some to little black fine sand, hard 1 inch thick Solvay chunks from 13 to 29 inches, small 1/8 inch isolated NAPL globules at 8 and 9 inches, mothball odor.	Vibracore	
	OL-0172-03	28.3		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, black discoloration at bottom of core, mothball odor.	Vibracore	Solvay Waste
10 +	OL-0172-04	12.5		SOLW	Wet, soft, gray to green, silt-like grains, little to trace fine sand, small pin-sized NAPL globule at 4 inches, mothball odor.	Vibracore	Sulvay vvasie
15 —	OL-0172-05	12.6		SOLW	Wet, soft, green, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
19.6	OL-0172-06	25.3	adings indicate	SOLW	Wet, soft, green, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10092

Date: 08/23/2006

Weather: Scattered clouds 68-76 deg F

Northing: 1117470.80 Easting: 925874.70

Drilling Company: Ocean Survey Inc

Water Elev: 362.3 Ft

Mud Line: 354.6 Ft

Logging Company: Parsons Geologist: SARA CHMURA

Attempts: 1 Depth Units: Ft

Surface Water Depth: 7.7 Ft

Penetration Depth: 20.0

Core Recovery Depth: 19.0

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0169-13	2.0		SOLW	Wet, soft to very hard, gray, silt-like grains, some black fine sand, 1 inch thick Solvay chunks throughout, trace organics, mothball odor.	Vibracore	
5 —	OL-0169-14	1.9		SOLW	Wet, soft to medium stiff, green, silt-like grains, trace fine sand, 1 inch thick Solvay chunks in bottom of core, mothball odor.	Vibracore	
	OL-0169-16	4.5		SOLW	Wet, soft, grayish white to gray, silt-like grains, trace fine sand, some organics in bottom of core, mothball odor.	Vibracore	Solvay Waste
10 +	OL-0169-17	1.8		SOLW	Wet, soft, gray, silt-like grains, some fine sand to trace fine sand, trace organics, mothball odor.	Vibracore	
15 —	OL-0169-18	1.5		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
19.0	OL-0169-19	1.2		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
19.0		Null field re	adings indicate	e a reading	g was not taken.		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10093

Date: 08/22/2006

Weather: Partly cloudy 68-82 deg F

Northing: 1116983.50

Easting: 925873.50

Mud Line: 358.5 Ft

Surface Water Depth: 3.9 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0 Core Recovery Depth: 19.8

Water Elev: 362.4 Ft

Attempts: 1 Depth Units: Ft

	<u> </u>				, , , , , , , , , , , , , , , , , , , ,		
Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0166-14	2.4		SOLW	Wet, soft, grayish white to light green, silt-like grains, some to trace fine sand, trace organics at top of core, mothball odor.	Vibracore	
5 —	OL-0166-15	13.4		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, brown discoloration at 32.5 inches, mothball odor.	Vibracore	
-	OL-0166-16	19.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, dark brown discoloration at 8 inches, brown organics at 9 inches, 1 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
10 + -	OL-0166-17	10.2		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0166-18	0.9		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
19.8	OL-0166-19	2.9		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, bottom 5 inches is black to dark gray, petroleum-like odor. Rest of core has mothball odor.	Vibracore	
		Null field re	adings indicate	e a reading	y was not taken.		

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10094

Date: 08/15/2006

Weather: Scattered clouds 71-80 deg F

Northing: 1116632.30

Drilling Company: Ocean Survey Inc

Water Elev: 362.4 Ft

Easting: 925868.40

Logging Company: Parsons

Attempts: 1

Mud Line: 360.4 Ft

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 2.0 Ft

Penetration Depth: 20.0 Core Recovery Depth: 19.8

	<u>'</u>			<u>'</u>	, , , , , , , , , , , , , , , , , , ,		
Depth	Sample	PID	Mercury	uscs		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0144-01/OL-0248-20	0.0		SOLW	0 to 27 inches wet, very soft, light green to gray, silt-like grains, trace clay, 0.5 inch thick or smaller Solvay chunks. Rest of core is dark gray, wet, soft, SILT, little fine sand, trace clay, black discoloration at 32 inches, petroleum-like odor (ML).	Vibracore	Solvay Waste
5 +	OL-0144-02/OL-0249-11	0.0		ML	Wet, medium stiff to soft, dark gray to black, SILT, little find sand, some clay, low plasticity, black fine grained saturated sand lens at 28 inches, little organics throughout, strong petroleum like odor.	Vibracore	SILT
+	OL-0144-03/OL-0249-01	0.2		SOLW	0 to 21 inches wet, soft, dark gray to light gray, SILT, little fine sand and clay, low plasticity, petroleum-like odor, at 12 inches grades to Solvay (ML), rest of core wet, soft, light gray to grayish white, silt-like grains, little fine sand, mothball odor.	Vibracore	
10 +	OL-0144-04/OL-0249-02	0.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, 1-inch thick or larger Solvay chunks, mothball odor.	Vibracore	
15 —	OL-0144-05/OL-0249-03	0.0		SOLW	Wet, soft, gray to grayish white, silt-like grains, trace fine sand, Solvay chunks throughout, black discoloration at 17 inches, mothball odor.	Vibracore	Solvay Waste
	OL-0144-06/OL-0249-04	3.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, organics at 5 inches, mothball odor.	Vibracore	
19.8		Null field re	adings indicate	a reading	was not taken.		

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10095

Date: 08/19/2006

Weather: Overcast light rain 72-76 deg F

Northing: 1118333.9 Easting: 925972.7 Drilling Company: Ocean Survey Inc

Water Elev: 362.3 Ft

Mud Line: 334.1 Ft

Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1
Depth Units: Ft

Surface Water Depth: 28.2 Ft

Penetration Depth: 20.0

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0158-01	0.2		ML	Wet, very soft, black, SILT, trace fine sand, trace clay, trace organics, organic and trace petroleum-like odor.	Vibracore	
5 +	OL-0158-02	2.6		ML	Wet, soft, black, SILT, little to trace clay, low plasticity, little organics, petroleum-like odor, light gray discoloration at 30 inches.	Vibracore	SILT
+	OL-0158-03	5.6		ML	0 to 29 inches is wet, soft, dark gray to black, SILT, little clay, trace fine sand, petroleum-like odor. Rest of core is gray green, wet, soft, silt-like grains, trace fine sand (SOLW), mothball odor.	Vibracore	
10 +	OL-0158-04	2.4		SOLW	0 to 19 inches is, wet, soft, grayish white to gray, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks in top of core, mothball odor. Rest of core is dark gray to black,	Vibracore	Solvay Waste
	020000				wet, soft, silt, trace clay, slight hydrocarbon-like odor, organics odor, (ML).	v.b.uoo.o	SILT
15 —	OL-0158-05	0.0		SOLW	Wet, soft, dark gray, silt-like grains, little fine sand, bottom 4 inches has some clay, black, trace organics. Rest of core has mothball and petroleum-like odor.	Vibracore	Solvay Waste
19.6	OL-0158-06	2.2	odingo indicate	ML	Wet, soft, black, SILT and CLAY, moderate plasticity, trace organics, organic odor.	Vibracore	SILT-CLAY

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10095A

Date: 08/19/2006

Weather: Overcast light rain 72-76 deg F

Northing: 1118335.5 Easting: 925974.7 Drilling Company: Ocean Survey Inc

Water Elev: 362.3 Ft

Mud Line: 334.1 Ft

Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1
Depth Units: Ft

Surface Water Depth: 28.2 Ft

Penetration Depth: 20.0 Core Recovery Depth: 19.1

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0158-08/OL-0256-05	0.2		ML	Wet, very soft, black, SILT, trace clay, trace fine sand, little organics, organic odor.	Vibracore	
5 +	OL-0158-09/OL-0256-06	1.2		ML	Wet, soft, black, SILT, trace clay, slight petroleum-like odor.	Vibracore	SILT
- - -	OL-0158-10/OL-0244-05	2.5		SOLW	0 to 20 inches is Wet, soft, black, SILT, trace clay, slight petroleum-like odor. Rest of core is gray green silt-like grains, little to trace fine sand, mothball odor, trace organics.	Vibracore	
10 +	OL-0158-11/OL-0244-06	2.1		SOLW	Wet, soft, grayish white to dark gray, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0158-12/OL-0244-07	1.4		CL	Wet, soft, dark gray to black, SILT, little to some clay, low plasticity, trace organics, petroleum-like odor and slight hydrocarbon odor.	Vibracore	SILT-CLAY
19.1	OL-0158-13/OL-0256-07	1.8 Null field re	adings indicate	MH	Wet, soft, black, CLAY and SILT, moderate plasticity, petroleum-like odor, trace organics.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10096

Date: 08/24/2006

Weather: Scattered clouds 68-77 deg F

Northing: 1117842.40

Drilling Company: Ocean Survey Inc

Water Elev: 362.4 Ft

Easting: 925984.70

Logging Company: Parsons

Attempts: 1

Mud Line: 347.0 Ft

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 15.4 Ft

Penetration Depth: 20.0 Core Recovery Depth: 19.8

Depth	Sample	PID	Mercury	uscs	I .	Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0173-07/OL-0256-03	7.8		ML	Wet, soft, black, SILT, some to trace fine sand, trace clay, little organics, small isolated pin-sized NAPL globule at 8 inches, hydrocarbon-like odor.	Vibracore	SILT
5 +	OL-0173-08/OL-0244-08	20.6		SOLW	Wet, soft, dark gray to green to grayish white, silt-like grains, trace fine sand, black discoloration at 21 inches with fine sand mixed in, trace organics, mothball odor.	Vibracore	
+	OL-0173-09/OL-0244-09	1.0		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
10 +	OL-0173-10/OL-0244-10	2.5		SOLW	Wet, hard to soft, gray, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0173-11/OL-0258-04	0.6		SOLW	Wet, soft, green, silt-like grains, trace fine sand, black discoloration at 16 inches, 20.5 inches, and 37.5 inches, mothball odor.	Vibracore	
19.8	OL-0173-12/OL-0244-11	3.5		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, black discoloration from 10 to 12 inches, trace organics, mothball odor.	Vibracore	
1		Null field re	eadings indicate	e a reading	g was not taken.		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10096A

Date: 08/24/2006

Weather: Scattered clouds 68-77 deg F

Northing: 1117840.7

Drilling Company: Ocean Survey Inc

Water Elev: 362.4 Ft

Easting: 925983.8 Mud Line: 347.0 Ft Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1
Depth Units: Ft

Surface Water Depth: 15.4 Ft

Penetration Depth: 20.0

Core Recovery Depth: 17.4

Depth Sample PID Mercury USCS Soil Description Method The property of the pro	Stratum
(ppin) (ing/ins) code	Stratum
Wet, soft, black to dark gray, SILT, little to trace fine sand, little organics, pin-sized isolated NAPL globules at 12 inches, 20 inches, and 24 inches, hydrocarbon-like odor.	
	SILT
Wet, soft, black to dark gray to gray green, silt-like grains, trace organics, black, fine, sand seam at 34 inches to 36 inches, hydrocarbon-like odor and mothball odor.	
Wet, soft to medium stiff, gray, silt-like grains, trace fine sand, brown organics throughout, small pin-sized NAPL globules at 25 inches, mothball odor.	
Wet, soft, gray to green, silt-like grains, trace fine sand, black discoloration at 37 and 39 inches, mothball odor. OL-0173-16 1.9 Wet, soft, gray to green, silt-like grains, trace fine sand, black discoloration at 37 and 39 inches, mothball odor. Vibracore	Solvay Waste
Wet, soft, gray green, silt-like grains, trace fine sand, trace organics, mothball odor. OL-0173-15 OL-0173-15 OL-0173-15 OL-0173-15 OL-0173-15	
OL-0173-19 2.8 SOLW Wet, soft, gray to green, silt-like grains, trace fine sand. Vibracore Null field readings indicate a reading was not taken.	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10097

Date: 08/22/2006

Weather: Partly cloudy 68-82 deg F

Northing: 1117273.40

Easting: 926020.40 Mud Line: 355.2 Ft

Surface Water Depth: 7.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0 Core Recovery Depth: 18.4 Water Elev: 362.4 Ft

Attempts: 2

Depth Units: Ft

Canado	Trator Boptiii 1:21			puii. 20.	Colo Receively Depair. 10.4		
Depth	Sample	PID	Mercury	uscs		Sample	5 : ,
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0167-01	8.5		SOLW	Wet, soft, gray silt-like grains, trace fine sand, 1 to 1.5 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
5 -	OL-0167-02	2.1		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, black fine to medium grained sand lens at 36 to 37 inches, mothball odor.	Vibracore	
-	OL-0167-03	2.2		SOLW	Wet, soft, gray to gray green, silt-like grains trace fine sand, black discoloration at 17 inches, mothball odor.	Vibracore	Solvay Waste
10	OL-0167-04	1.6		SOLW	Wet, soft, green, silt-like grains, trace fine sand, black discoloration with medium sand at 22 inches, mothball odor.	Vibracore	
15 —	OL-0167-05	6.5		SOLW	Wet, soft, green to gray, silt-like grains, trace fine sand, dark green discoloration at 15 inches, mothball odor.	Vibracore	
10.4	OL-0167-06	6.6		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, black discoloration from 9 to 13 inches, with 0.5 inch thick or smaller Solvay chunks throughout.	Vibracore	
18.4		Null field re	eadings indicate	a reading	was not taken.		

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10097A

Date: 08/22/2006

Weather: Partly cloudy 68-82 deg F

Northing: 1117275.10

Easting: 926019.50 Mud Line: 355.2 Ft

Surface Water Depth: 7.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0 Core Recovery Depth: 18.5

Water Elev: 362.4 Ft

Attempts: 1
Depth Units: Ft

Donth	Camanla	PID	Maraumi	11000		Camania	
Depth Ft	Sample ID		Mercury	USCS	Soil Description	Sample	Stratum
0	OL-0167-07	(ppm) 5.1	(mg/m3)	SOLW	Wet, soft, gray, silt-like grains, trace fine sand, mothball odor.	Method	
5 +	OL-0167-08	3.1		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, 1 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
+	OL-0167-09	11.5		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, 1 inch thick Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
10 +	OL-0167-11	2.6		SOLW	Wet, soft, green, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
15 —	OL-0167-12	1.5		SOLW	Wet, soft, bright green to gray, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
18.5	OL-0167-13	3.6 Null field re	eadings indicate		Wet, soft, gray, silt-like grains, trace fine sand, dark gray discoloration from 7 to 10.5 inches, trace organics, mothball odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10098

Date: 08/22/2006

Weather: Partly cloudy 68-82 deg F

Northing: 1117287.00

Easting: 926041.70

Surface Water Depth: 7.5 Ft

Mud Line: 354.9 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.4 Ft

Attempts: 1 Depth Units: Ft

Sample	PID	Mercury	USCS		Sample	
ID	(ppm)	(mg/m3)	Code	·	Method	Stratum
OL-0167-14	0.0		SOLW		Vibracore	Solvay Waste
OL-0167-15	5.5		SOLW	0 to 21 inches is wet, dense, black, fine, poorly sorted SAND, trace organics. Rest of core is wet, soft, gray, silt-like grains, some black fine sand, mothball odor.	Vibracore	Fine SAND
OL-0167-16	16.8		SOLW	Soft, gray, silt-like grains, some black fine sand, mothball odor.	Vibracore	
OL-0167-17	4.6		SOLW	Wet, soft, gray, silt-like grains, some black fine sand, mothball odor.	Vibracore	Solvay Waste
OL-0167-18	5.6		SOLW	Wet, soft, gray to gray green, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
OL-0167-19	6.9		SOLW	Wet, soft, bright green to gray, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
	OL-0167-14 OL-0167-15 OL-0167-17 OL-0167-18	OL-0167-14	OL-0167-14	ID	ID (ppm) (mg/m3) Code Soil Description Wet, soft, gray, silt-like grains, trace fine sand, bottom 2 inches of core are black to gray, fine grained sand, mothball odor. OL-0167-14 0.0 SOLW OL-0167-15 5.5 SOLW OL-0167-16 16.8 SOLW OL-0167-17 4.6 SOLW Wet, soft, gray, silt-like grains, some black fine sand, mothball odor. Wet, soft, gray, silt-like grains, some black fine sand, mothball odor. Wet, soft, gray, silt-like grains, some black fine sand, mothball odor. OL-0167-17 4.6 SOLW Wet, soft, gray to gray green, silt-like grains, trace fine sand, trace organics, mothball odor. OL-0167-18 5.6 SOLW Wet, soft, gray to gray green, silt-like grains, trace fine sand, trace organics, mothball odor. Wet, soft, bright green to gray, silt-like grains, trace fine sand, trace organics, mothball odor.	D

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10099

Date: 08/22/2006

Weather: Partly cloudy 68-82 deg F

Northing: 1117250.50

Easting: 926020.20

Mud Line: 355.3 Ft

Surface Water Depth: 7.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0 Core Recovery Depth: 19.8 Water Elev: 362.5 Ft

Attempts: 1 Depth Units: Ft

				_			
Depth	Sample	PID	Mercury	USCS		Sample	.
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0168-01	3.5		SOLW	Wet, soft, gray to gray green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
5 +	OL-0168-02	1.6		SOLW	Wet, soft, gray to gray green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
+	OL-0168-03	2.5		SOLW	Wet, soft, gray to gray green, silt-like grains, mothball odor.	Vibracore	
10 +	OL-0168-04	15.7		SOLW	Wet, soft, gray green, silt-like grains, mothball odor.	Vibracore	Solvay Waste
15 —	OL-0168-05	5.7		SOLW	Wet, soft, green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0168-06	3.7		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, black discoloration with 0.5 inch thick or smaller Solvay chunks from 24 to 28 inches, mothball odor.	Vibracore	
19.8		Null field re	eadings indicate	e a reading	was not taken.		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10100

Date: 08/22/2006

Weather: Partly cloudy 68-82 deg F

Northing: 1117287.30 Easting: 925996.80

Mud Line: 355.1 Ft

Surface Water Depth: 7.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0 Core Recovery Depth: 19.1

Water Elev: 362.4 Ft

Attempts: 1
Depth Units: Ft

Deptil Office

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0168-07	3.1	(1.3		Wet, soft, gray, silt-like grains, trace fine sand, fine sand seam 1/8 inches thick at 8.5 inches, 11.5 inches, and 22 inches, mothball odor.	Vibracore	
5 +	OL-0168-08	4.8		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	
+	OL-0168-09	0.7		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
10 +	OL-0168-10	1.3		SOLW	Wet, soft, green, silt-like grains, trace fine sand, black discoloration at 23 inches, mothball odor.	Vibracore	
15 —	OL-0168-11	0.7		SOLW	Wet, soft, green to gray green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
19.1	OL-0168-12	6.7		SOLW	Wet, soft, green to gray, silt-like grains, trace fine sand, grading to some fine sand, black discoloration at 32 and 33 inches, mothball odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10101

Date: 08/20/2006

Weather: Overcast light rain 73-82 deg F

Northing: 1117979.00

Easting: 926082.60 Mud Line: 341.4 Ft

Surface Water Depth: 21.1 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0 Core Recovery Depth: 19.8

Water Elev: 362.5 Ft

Attempts: 1 Depth Units: Ft

Depth Sample PID Mercury USCS Sample Soil Description Stratum Method Ft ID (ppm) (mg/m3) Code 0 Wet, very soft to soft, SILT, black. ML OL-0161-14 8.9 Vibracore SILT 0 to 25 inches is wet, soft, black, SILT, some sand. Rest of core is wet, soft, green to grayish white, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor, trace organics throughout. OL-0161-15 7.1 MLVibracore 5 Wet, soft, grayish white, silt-like grains, trace fine sand, Solvay chunks throughout, mothball odor. SOLW 12.4 OL-0161-16 Vibracore 10 Wet, soft, gray green to grayish white, silt-like grains, trace fine sand, trace organics, black discoloration from 3 to 5 inches, hydrocarbon-like odor. Solvay Waste OL-0161-17 16.4 SOLW Vibracore 0 to 28 inches is wet, soft, light gray, silt-like grains, mothball odor. Rest of core is wet, soft, dark gray, silt-like grains, and Solvay petroleum-like odor and slight mothball odor. SOLW OL-0161-18 8.9 Vibracore 15 Wet, soft, gray, SILT, trace fine sand, black discoloration at 2.5 inches, slight hydrocarbon-like odor. SILT 9.4 ML OL-0161-19 Vibracore 19.8 Null field readings indicate a reading was not taken.

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Honeywe

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10102

Date: 08/20/2006

Weather: Overcast light rain 73-82 deg F

Northing: 1117485.00

Drilling Company: Ocean Survey Inc

Water Elev: 362.5 Ft

Easting: 926067.60

Logging Company: Parsons

Attempts: 1

Mud Line: 353.9 Ft

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 8.6 Ft

Penetration Depth: 20.0 Core Recovery Depth: 17.2

Depth Sample PID Mercury USCS Sample Soil Description Stratum ID Ft (mg/m3) Code Method (ppm) Wet, soft, light gray, silt-like grains, trace fine sand, Solvay chunks throughout. 0 SOLW 0.0 Vibracore Wet, soft, grayish white to gray green, silt-like grains, trace fine sand, black discoloration at 16 inches, mothball SOLW OL-0162-01/OL-0244-12 Vibracore 5 Wet, soft, gray green, silt-like grains, trace fine sand, black discolorations at 2 inches, 3 inches, and 31 inches, mothball odor. SOLW 6.3 OL-0162-02/OL-0244-13 Vibracore Solvay Waste 10 Wet, soft, gray green to grayish white, silt-like grains, trace fine sand, black discoloration at 10 inches, mothball odor. SOLW 9.7 OL-0162-03/OL-0256-11 Vibracore Wet, soft grayish white, silt-like grains, trace fine sand, black fine sand seam at 23 inches, mothball odor. OL-0162-04/OL-0244-14 5.8 SOLW Vibracore 15 Wet, soft, grayish white, Solvay chunks in bottom, trace fine sand, mothball odor. 7.0 SOLW Vibracore OL-0162-05/OL-0244-15 17.2

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10103

Date: 08/23/2006

Weather: Scattered clouds 68-76 deg F

Northing: 1117084.30

Drilling Company: Ocean Survey Inc

Water Elev: 362.3 Ft

Easting: 926131.80

Logging Company: Parsons

Attempts: 1

Mud Line: 354.9 Ft

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 7.4 Ft

Penetration Depth: 20.0 Core Recovery Depth: 18.0

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0169-01/OL-0244-16	2.6		SOLW	Wet, soft, gray, silt-like grains, little to trace fine sand, 1 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
5 +	OL-0169-02/OL-0244-17	2.9		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, large 4 inch long Solvay chunk at 20 inches, mothball odor.	Vibracore	
- -	OL-0169-03/OL-0256-10	2.1		SOLW	Wet, soft, green, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
10	OL-0169-04/OL-0244-18	1.0			Wet, soft, gray green to dark green, silt-like grains, trace fine sand, dark gray discoloration throughout bottom half of core, NAPL stringer at 28 to 29 inches, mothball odor.	Vibracore	
15 —	OL-0169-05/OL-0244-19	1.5		SOLW	Wet, soft, green to gray, silt-like grains, trace fine sand, dark gray discoloration from 27 to 30 inches, with 0.5 inch thick or smaller Solvay chunks within, mothball odor.	Vibracore	
18.0	OL-0169-06/OL-0244-20	14.6	adings indicate	SOLW	Wet, soft to hard, gray, silt-like grains, trace fine sand, black discoloration from 3 to 5.5 inches, mothball odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10103A

Date: 08/23/2006

Weather: Scattered clouds 68-76 deg F

Northing: 1117084.4 Easting: 926133.5 Mud Line: 354.9 Ft Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Attempts: 1
Depth Units: Ft

Water Elev: 362.3 Ft

Surface Water Depth: 7.4 Ft

Penetration Depth: 20.0 Core Recovery Depth: 18.0

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0169-07	1.8		SOLW	Wet, soft, dark gray to gray, silt-like grains, some black fine sand, 0.5 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
5 +	OL-0169-08	2.4		SOLW	Wet, soft to hard, gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	
+	OL-0169-09	2.0		SOLW	Wet, soft, light green to dark green, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
10 +	OL-0169-10	0.7		SOLW	Wet, soft, dark green, silt-like grains, trace fine sand, dark gray discolorat form 34 to 37 inches, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	
15 —	OL-0169-11	1.3		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, black discoloration from 10 to 12 inches, mothball odor.	Vibracore	
18.0	OL-0169-12	0.5	eadings indicate	SOLW	Wet, soft, gray to dark gray to black, silt-like grains, trace fine sand, petroleum-like odor at bottom of core, black discoloration at 6 inches, slight mothball odor. was not taken.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10104

Date: 08/19/2006

Weather: Overcast light rain 72-76 deg F

Northing: 1116687.10

Easting: 926107.60 Mud Line: 359.1 Ft

Surface Water Depth: 3.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0 Core Recovery Depth: 19.8

Water Elev: 362.3 Ft

Attempts: 1
Depth Units: Ft

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0159-01	1.6		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, 0.5 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
5 +	OL-0159-02	1.1		SOLW	0 to 4 inches is grayish white, silt-like grains, mothball odor, black discoloration at 4 inches. Rest of core is light green, wet, soft, silt-like grains, trace fine sand, trace organics.	Vibracore	
+	OL-0159-03	0.9		SOLW	Wet, soft, green, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
10 +	OL-0159-05	17.8		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
15 —	OL-0159-06	1.8		ML	Wet, soft, light gray to black, SILT, some to little clay, trace fine sand, low to moderate plasticity, petroleum-like odor.	Vibracore	
19.8	OL-0159-07	1.6		ML	Wet, soft, black, SILT, some clay, sewage-like odor, low to moderate plasticity tan discoloration in bottom half of core, top half has petroleum-like odor, bottom half has sewage-like odor.	Vibracore	SILT-CLAY
10.0		Null field re	adings indicate	e a reading	y was not taken.		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10104A

Date: 08/19/2006

Weather: Overcast light rain 72-76 deg F

Northing: 1116685.60 Easting: 926107.10

Logging Company: Parsons Mud Line: 359.1 Ft

Geologist: SARA CHMURA

Drilling Company: Ocean Survey Inc

Water Elev: 362.3 Ft

Attempts: 1 Depth Units: Ft

Surface Water Depth: 3.2 Ft

Penetration Depth: 20.0

Core Recovery Depth: 18.2

Sample	PID	Mercury	USCS		Sample	
ID			Code	Soil Description	Method	Stratum
OL-0158-14	0.9		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, trace clay in bottom of core, sewage-like odor and mothball odor.	Vibracore	
OL-0158-15	1.2		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
OL-0158-16	1.3		SOLW	Wet, soft, gray to gray green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
OL-0158-17	2.9		SOLW	0 to 22 inches is light gray, soft, silt-like grains, mothball odor. Rest of core is dark gray to black, SILT, little clay to some clay, slight petroleum-like odor and slight hydrocarbon-like odor.	Vibracore	
OL-0158-18	1.4		ML	Wet, soft, black, SILT, some clay, moderate plasticity, black coal-like fragments at 32 inches, petroleum-like odor.	Vibracore	SILT-CLAY
OL-0158-19	1.2		ML	Wet, soft, black and light brown, SILT, little to trace fine sand, some clay, moderate plasticity, sewage-like odor.	Vibracore	
	OL-0158-14 OL-0158-15 OL-0158-17 OL-0158-18	OL-0158-14	ID (ppm) (mg/m3) OL-0158-14 0.9 OL-0158-15 1.2 OL-0158-16 1.3 OL-0158-17 2.9 OL-0158-18 1.4	ID	ID (ppm) (mg/m3) Code Soil Description Wet, soft, gray, silt-like grains, trace fine sand, trace clay in bottom of core, sewage-like odor and mothball odor. OL-0158-14 0.9 Wet, soft, gray green, silt-like grains, trace fine sand, mothball odor. OL-0158-15 1.2 SOLW Wet, soft, gray to gray green, silt-like grains, trace fine sand, mothball odor. OL-0158-16 1.3 SOLW OL-0158-17 2.9 Ot to 22 inches is light gray, soft, silt-like grains, mothball odor. Rest of core is dark gray to black, SILT, little clay to some clay, slight petroleum-like odor and slight hydrocarbon-like odor. Wet, soft, black, SILT, some clay, moderate plasticity, black coal-like fragments at 32 inches, petroleum-like odor. Wet, soft, black and light brown, SILT, little to trace fine sand, some clay, soft, black and light brown, SILT, little to trace fine sand, some clay, moderate plasticity, sewage-like	D

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10105

Date: 08/22/2006

Weather: Partly cloudy 68-82 deg F

Northing: 1116859.40

Drilling Company: Ocean Survey Inc

Water Elev: 362.4 Ft

Easting: 926187.20

Logging Company: Parsons

Attempts: 1

Mud Line: 356.8 Ft

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 5.6 Ft

Penetration Depth: 20.0 Core Recovery Depth: 19.8

Depth	Sample	PID	Mercury	uscs		Sample				
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum			
0 +	OL-0168-13/OL-0244-01	1.2			0 to 5 inches is wet, soft, blue gray, silt-like grains. Rest of core is wet, soft, gray, silt-like grains, trace fine sand, 1/2 inch thick Solvay chunks in lower half of core, mothball odor.	Vibracore				
5 +	OL-0168-14/OL-0256-12	1.4		SOLW	Wet, medium stiff to hard, gray, silt-like grains, some black fine sand, to little black fine sand, 1/2 inch thick Solvay chunks throughout, fine to medium grained sand seam at 37 inches, mothball odor. Depth intervals in the photo are incorrect.	Vibracore				
+	OL-0168-15/OL-0244-02	1.2		SOLW	Wet, soft, light green to gray, silt-like grains, trace fine sand, trace organics, mothball odor. Depth intervals in the photo are incorrect.	Vibracore	Solvay Waste			
10 +	OL-0168-16/OL-0244-03	2.7		SOLW	Wet, soft, gray green to gray, silt-like grains, trace fine sand, mothball odor.	Vibracore				
15 —	OL-0168-17/OL-0244-04	1.3		SOLW	Wet, soft, grayish white to green to black, silt-like grains, trace fine sand, slight petroleum-like odor in bottom of core, mothball odor overall.	Vibracore				
-	OL-0168-19/OL-0256-13	0.5		ML	Wet, soft, dark gray, grading to black at 17 inches, silt-like grains grading to SILT, some clay, trace fine sand, moderate to low plasticity, petroleum-like odor and slight organic odor.	Vibracore	SILT-CLAY			
19.8	19.8 Null field readings indicate a reading was not taken.									

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10106

Date: 08/19/2006

Weather: Overcast light rain 72-76 deg F

Northing: 1116498.40

Logging Company: Parsons

Water Elev: 362.3 Ft

Easting: 926169.90 Mud Line: 359.8 Ft

Geologist: SARA CHMURA

Drilling Company: Ocean Survey Inc

Attempts: 1 Depth Units: Ft

Surface Water Depth: 2.5 Ft

Penetration Depth: 20.0

Core Recovery Depth: 17.5

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0159-08	5.6		SOLW	0 to 20 inches is wet, soft, gray, SILT, little fine sand, organic odor, black fine sand seam at 15.5 inches. Rest of core is wet, soft, gray green, silt-like grains, trace fine sand, mothball odor.	Vibracore -	SILT
					odoi.		
5 +	OL-0159-09	1.6		SOLW	0 to 25 inches is wet, soft, grayish white, silt-like grains, trace fine sand, mothball odor. Rest of core is dark gray to black,SILT, some fine sand, some to little clay, slight mothball odor and slight petroleum-like odor.	Vibracore	Solvay Waste
+					NACA and blook OUT little to		
	OL-0159-10	1.1		ML	Wet, soft, black, SILT, little to some clay, trace fine sand throughout, moderate plasticity, fine sand seam at 14 inches, trace organics.	Vibracore	
10 + -	OL-0159-11	0.5		ML	Wet, soft, black, SILT, some clay, trace fine sand in top of core, low to moderate plasticity, slight petroleum-like odor, organic odor.	Vibracore	SILT-CLAY
15 +	OL-0159-12	0.4		ML	Wet, soft, to medium stiff, black, SILT, some clay, trace organics, moderate plasticity, organic odor.	Vibracore	
17.5	OL-0159-13	0.4		ML	Wet, soft, to medium stiff, black, SILT, some clay, trace organics, moderate plasticity, organic odor	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10107

Date: 08/15/2006

Weather: Scattered clouds 71-80 deg F

Northing: 1116313.70

Drilling Company: Ocean Survey Inc

Water Elev: 362.4 Ft

Easting: 926342.70 Mud Line: 360.7 Ft

Logging Company: Parsons

Attempts: 2

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 1.7 Ft

Penetration Depth: 20.0 Core Recovery Depth: 17.5

Sample	PID	Mercury	uscs		Sample	
ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
OL-0144-07/OL-0249-06	3.2		ML	0 to 3 inches is wet, loose, black, fine grain SAND and SILT, some grass and rootlets. Rest of core is dark gray, wet, very soft to soft, SILT, some clay, trace fine sand, black discoloration at 19 inches, petroleum-like odor.	Vibracore	
OL-0144-08/OL-0249-07	3.2		ML	Wet, soft, dark gray to black, SILT, little clay, trace fine sand, black fine grained sand lenses 1/8 inch thick at 13.5 inches, 21.5 inches, and 27 inches, bottom 2 inches are black fine grained loose sand, petroleum-like odor.	Vibracore	
OL-0144-10/OL-0249-10	4.2		ML	Wet, soft, black to dark gray, SILT, some clay, trace fine sand, 1/2 inch thick black sand seam at top of core, trace organics, petroleum-like odor.	Vibracore	SILT-CLAY
OL-0144-11/OL-0249-08	3.2		ML	Wet, soft, black to dark gray, SILT, some clay, low plasticity, trace wood, top half of core has petroleum-like odor. Rest of core organic odor.	Vibracore	
OL-0144-12/OL-0249-05	0.1		ML	Wet, soft, black to dark gray to gray, SILT, some clay, low plasticity, trace organics, organic odor.	Vibracore	
OL-0144-13/OL-0249-09	0.0		ML	Wet, soft, dark gray, SILT, some clay, trace fine sand, low plasticity, organic odor.	Vibracore	
	OL-0144-07/OL-0249-06 OL-0144-08/OL-0249-07 OL-0144-10/OL-0249-10 OL-0144-11/OL-0249-08	ID (ppm) OL-0144-07/OL-0249-06 3.2 OL-0144-10/OL-0249-07 4.2 OL-0144-11/OL-0249-08 3.2 OL-0144-12/OL-0249-06 0.1	ID (ppm) (mg/m3) OL-0144-07/OL-0249-06 3.2 OL-0144-10/OL-0249-07 4.2 OL-0144-11/OL-0249-08 3.2 OL-0144-12/OL-0249-09 0.0	ID (ppm) (mg/m3) Code OL-0144-07/OL-0249-08 3.2 ML OL-0144-08/OL-0249-07 3.2 ML OL-0144-10/OL-0249-10 4.2 ML OL-0144-11/OL-0249-08 3.2 ML OL-0144-12/OL-0249-08 0.1 ML	OL-0144-070L-0249-08 3.2 OL-0144-070L-0249-08 OL-0144-070L-0249-	ID (ppm) (mg/m3) Code Soil Description Method Code Soil Description Method

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20072

Date: 08/17/2006

Weather: Scattered clouds 69-82 deg F

Northing: 1118947.40

Drilling Company: Ocean Survey Inc

Water Elev: 362.5 Ft

Easting: 922398.50

Logging Company: Parsons

Attempts: 1

Mud Line: 357.5 Ft

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 5.0 Ft

Penetration Depth: 20.0 Core Recovery Depth: 19.8

Depth	Sample	PID	Mercury	uscs		Sample				
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum			
0	OL-0150-01/OL-0232-09	0.4		SM	0 to 5 inches is wet, loose, black, fine grained, SAND, trace organics, trace Solvay chunks. Rest of core is wet, loose, fine sand, some silt, gray, trace shells, sulfur odor, (MARL).	Vibracore	Fine SAND-SILT			
5 +	OL-0150-02/OL-0231-02	2.4		SM	Top 6 inches is wet, loose, fine grained, SAND and SILT. Rest of core grades to wet, soft, gray, SILT and fine SAND, little shells, sulfur odor.	Vibracore				
-	OL-0150-03/OL-0232-10	3.7		sw	Wet, loose to medium dense, gray, fine grained, SAND, little silt, trace organics, some shells, slow dilatancy, sulfur odor, (MARL).	Vibracore				
10 +	OL-0150-04/OL-0231-03	2.7		SM	0 to 7 inches, is moist, loose to medium dense, gray, fine grained sand, trace silt, trace shells. Rest of core is wet, soft, gray, SILT, some fine sand, trace clay in bottom 6 inches of core, trace shells, sulfur odor, (MARL).	Vibracore	Fine SAND-SILT (MARL)			
15 —	OL-0150-05/OL-0232-11	0.9		SM	0 to 23 inches is moist, soft to medium stiff, gray, CLAY, little fine sand, little silt, moderate plasticity, little shells (ML). Rest of core is wet, loose, gray, fine, SAND and SILT, trace shells, sulfur odor, (MARL).	Vibracore				
10.8	OL-0150-06/OL-0231-01	0.4		SM	O to 9 inches is gray, wet, loose, fine, SAND, little to trace silt, 9 to 24 inches is wet, loose, gray, sand, some silt, sulfur odor, red organics at 18 inches. Rest of core is gray, wet, soft, SILT, some sand, organics throughout, sulfur odor.	Vibracore				
19.0	19.8 Null field readings indicate a reading was not taken.									

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20073

Date: 08/17/2006

Weather: Scattered clouds 69-82 deg F

Northing: 1119022.70

Drilling Company: Ocean Survey Inc

Water Elev: 362.5 Ft

Easting: 922653.30

Logging Company: Parsons

Attempts: 1

Mud Line: 339.6 Ft

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 22.9 Ft

Penetration Depth: 20.0 Core Recovery Depth: 19.3

Depth	Sample	PID	Mercury	uscs		Sample				
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum			
0 +	OL-0150-14/OL-0232-02	0.0		ML	0 to 27 inches is wet, very soft, black, SILT, petroleum-like odor, trace fine sand. Rest of core is light gray.	Vibracore				
5 +	OL-0150-15/OL-0232-12	3.6		ML	Wet, very soft, dark gray, SILT, trace fine sand, bottom 6 inches is black, petroleum-like odor overall.	Vibracore	SILT			
	OL-0150-16/OL-0232-03	1.9		ML	Wet, very soft, dark gray to black, SILT, trace fine sand, trace organics and fibers, petroleum-like odor.	Vibracore				
10 +	OL-0150-17/OL-0232-04	0.0		CL	0 to 9 inches is wet, soft, black, SILT, sulfur odor (ML). Rest of core is moist, soft, gray, CLAY, trace shells, sulfur odor, (MARL).	Vibracore				
15 -	OL-0150-18/OL-0232-13	0.0		CL	Moist, soft to medium stiff, gray, CLAY, moderate plasticity, some silt to little silt, trace shells, sulfur odor, (MARL).	Vibracore	CLAY-SILT (MARL)			
19.3	OL-0150-19/OL-0232-14	0.0	adings indicate	CL	Moist, medium stiff to soft, gray, CLAY, silt grading to some silt, trace shells, sulfur odor, (MARL).	Vibracore				
1	Null field readings indicate a reading was not taken.									

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20074

Date: 08/17/2006

Weather: Scattered clouds 69-82 deg F

Northing: 1118876.30

Drilling Company: Ocean Survey Inc

Water Elev: 362.4 Ft

Easting: 922807.70 Mud Line: 338.9 Ft

Logging Company: Parsons Geologist: SARA CHMURA

Attempts: 2 Depth Units: Ft

Surface Water Depth: 23.5 Ft

Penetration Depth: 20.0 Core Recovery Depth: 18.1

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0151-13/OL-0232-15	0.6		ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
5 +	OL-0151-14/OL-0232-05	4.1		ML	Wet, very soft to soft, black to dark gray, SILT, trace fine sand, trace organics, petroleum-like odor.	Vibracore	SILT
+	OL-0151-15/OL-0232-06	0.8		ML	Wet, very soft to soft, light gray to black, SILT, black coal-like fragments at 13.5 inches, trace fine sand, petroleum-like odor.	Vibracore	
10 -	OL-0151-17/OL-0232-16	0.5		CL	Moist, soft to medium stiff, gray, CLAY, some to little silt, moderate plasticity, trace shells, sulfur odor, (MARL).	Vibracore	
15 —	OL-0151-18/OL-0232-07	0.0		CL	Moist, soft to medium stiff, gray, CLAY, some to little silt, moderate plasticity, trace shells, sulfur odor, (MARL).	Vibracore	CLAY-SILT (MARL)
18.1	OL-0151-19/OL-0232-08	0.0		CL	Moist, soft to medium stiff, gray, CLAY, some to little silt, moderate plasticity, trace shells, sulfur odor, (MARL).	Vibracore	
10.1		Null field re	adings indicate	a reading	was not taken		

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20075

Date: 08/17/2006

Weather: Scattered clouds 69-82 deg F

Northing: 1118763.60

Drilling Company: Ocean Survey Inc

Water Elev: 362.4 Ft

Easting: 922723.10

Logging Company: Parsons

Attempts: 1

Mud Line: 342.7 Ft

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 19.7 Ft

Penetration Depth: 20.0

Core Recovery Depth: 17.2

Depth	Sample	PID	Mercury	uscs		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0149-14/OL-0231-04	0.4	0.0	ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor, spotty rainbow sheen on sediment.	Vibracore	SILT
5 -	OL-0149-15/OL-0232-17	0.7	0.0	SOLW	0 to 13 inches is black grading to dark gray, wet, soft, SILT, trace fine sand, trace organics, slight petroleum-like odor. Rest of core is dark gray to gray, wet, soft, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
	OL-0149-18/OL-0232-18	0.9	0.0	ML	Top 7 inches is dark gray, grading to black, wet, soft, silt-like grains, trace organics, trace fine sand. Rest of core is wet, soft, black, SILT, trace fine sand grading to no sand, little clay, low plasticity, trace organics, petroleum-like odor.	Vibracore	SILT
10	QL-Q149 <u>-</u> 17 <u>U</u> OL-02231-05	L02	00	<u> </u>	Top 1.5 inches is black. Rest of	_ Vibracore_	CLAY-SILI (MARL)

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20075

Date: 08/17/2006

Weather: Scattered clouds 69-82 deg F

Northing: 1118763.60

Easting: 922723.10

Surface Water Depth: 19.7 Ft

Mud Line: 342.7 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Water Elev: 362.4 Ft

Attempts: 1
Depth Units: Ft

Core Recovery Depth: 17.2

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
10	OL-0149-17/OL-0231-05	0.2	0.0	CL	Top 1.5 inches is black. Rest of core is gray, moist, soft, medium stiff, CLAY, some silt, trace shells, sulfur odor (MARL).	Vibracore	
15	OL-0149-18/OL-0231-06	0.4	0.0	CL	Moist, soft, gray, CLAY, some to little silt, moderate plasticity, trace shells, a half inch diameter fine sand pocket at 1 inch, sulfur odor, (MARL).	Vibracore	CLAY-SILT (MARL)
17.2	OL-0149-19/OL-0232-19	0.3	0.0	CL	Moist, soft, gray, CLAY, some to little silt, moderate plasticity, trace shells, a half inch diameter fine sand pocket at 1 inch, sulfur odor, (MARL).	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20076

Date: 08/17/2006

Weather: Scattered clouds 69-82 deg F

Northing: 1118721.40

Drilling Company: Ocean Survey Inc

Water Elev: 362.8 Ft

Easting: 923011.60 Mud Line: 335.3 Ft

Logging Company: Parsons

Attempts: 1

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 27.5 Ft

Penetration Depth: 20.0 Core Recovery Depth: 19.7

Depth	Sample	PID	Mercury	uscs		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0152-07/OL-0232-20	0.1		ML	Wet, soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
5 +	OL-0152-08/OL-0231-07	0.1		ML	Wet, soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	SILT
-	OL-0152-09/OL-0231-08	0.1		ML	0 to 28 inches is wet, soft, black to dark gray, SILT, trace fine sand, petroleum-like odor (ML). Rest of core is wet, soft, moderate plasticity, CLAY, trace fine silt, black organic discoloration throughout, trace shells, slight sulfur odor, (MARL).	Vibracore	
10	OL-0152-11/OL-0233-01	0.1		CL	Wet, soft, gray, CLAY, trace fine silt, black organic discolorations, trace organics throughout, (MARL).	Vibracore	
15 —	OL-0152-12/OL-0231-09	0.0		CL	Wet, soft, gray, CLAY, trace fine silt, black organic discolorations, trace organics throughout, (MARL).	Vibracore	CLAY-SILT (Marl)
19.7	OL-0152-13/OL-0231-10	0.0		CL	Wet, soft, gray, CLAY, trace fine silt, black organic discolorations, trace organics throughout, (MARL).	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20077

Date: 08/17/2006

Weather: Scattered clouds 69-82 deg F

Northing: 1118596.50

Drilling Company: Ocean Survey Inc

Water Elev: 362.4 Ft

Easting: 922898.40

Logging Company: Parsons

Attempts: 1

Mud Line: 341.2 Ft

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 21.2 Ft

Penetration Depth: 20.0 Core Recovery Depth: 17.3

Depth	Sample	PID	Mercury	uscs		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0150-07/OL-0233-02	0.0		ML	Wet, very soft, black, SILT, trace fine sand, trace organics, petroleum-like odor.	Vibracore	
5 +	OL-0150-08/OL-0231-11	0.0		ML	Wet, very soft, black, SILT, trace fine sand, dark gray discoloration from 30 inches to 34 inches, trace organics, petroleum-like odor.	Vibracore	SILT
	OL-0150-09/OL-0231-12	1.9		ML	Wet, soft, black to dark gray, SILT, trace clay, trace organics, light gray discoloration at 9 inches and bottom 3 inches of core, petroleum-like odor.	Vibracore	
10 +	OL-0150-11/OL-0231-13	0.0		CL	0 to 5 inches is wet, soft, black, SILT, slight petroleum-like odor. Rest of core is moist, soft to medium stiff, gray, CLAY, some trace shells, sulfur odor, (MARL).	Vibracore	
15 —	OL-0150-12/OL-0233-03	0.0		CL	Moist, medium stiff to soft, gray, CLAY, some silt, moderate plasticity, trace shells, slight sulfur odor, (MARL).	Vibracore	CLAY-SILT (MARL)
17.3	OL-0150-13/OL-0231-14	0.0	adia aa ia di - t		Moist, soft, gray, CLAY, some silt, trace shells, slight sulfur odor, (MARL).	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20078

Date: 08/17/2006

Weather: Scattered clouds 69-82 deg F

Northing: 1118583.70

Drilling Company: Ocean Survey Inc

Water Elev: 362.5 Ft

Easting: 923175.90

Logging Company: Parsons

Attempts: 1

Mud Line: 335.9 Ft

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 26.6 Ft

Penetration Depth: 20.0 Core Recovery Depth: 19.8

Dept	h	Sample	PID	Mercury	uscs		Sample	
Ft		ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -		OL-0152-01/OL-0233-04	0.1		ML	Wet, soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	SILT
5 —	_	OL-0152-02/OL-0231-15	3.6		ML	Wet, soft, black, SILT, trace fine sand, trace organics, slight petroleum-like odor, trace Solvay chunks in bottom half.	Vibracore	OIL1
-	_	OL-0152-03/OL-0233-05	0.5			Wet, soft, gray green to light gray, last 2 inches is dark gray, silt-like grains, trace fine sands, 0.5 inch thick or smaller Solvay chunks at 28 and 38 inches, mothball odor.	Vibracore	Solvay Waste
10 -		OL-0152-04/OL-0231-16	0.1		SOLW	0 to 29 inches is wet, soft, dark gray to gray green, top 5 inches has 0.5 inch thick or smaller Solvay chunks, silt-like grains, trace fine sand, slight mothball odor. Rest of core is wet, soft, dark gray, CLAY, trace fine silt, moderate plasticity, sulfur odor, trace shells, (MARL).	Vibracore	
15 —	_	OL-0152-05/OL-0231-17	0.1		CL	Wet, soft, dark gray, CLAY, trace fine silt, trace shells throughout, black discoloration throughout, slight sulfur odor, (MARL).	Vibracore	CLAY-SILT (Marl)
19.8	_	OL-0152-06/OL-0233-06	0.4	odingo indicati	CL	Wet, soft, dark gray, CLAY, trace fine silt, trace shells throughout, black discoloration throughout, slight sulfur odor, (MARL).	Vibracore	
-			0.4	eadings indicate	CL	Wet, soft, dark gray, CLAY, trace fine silt, trace shells throughout, black discoloration throughout, slight sulfur odor, (MARL). Wet, soft, dark gray, CLAY, trace fine silt, trace shells throughout, black discoloration throughout, slight sulfur		CLAY-SIL

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20079

Date: 08/17/2006

Weather: Scattered clouds 69-82 deg F

Northing: 1118450.4 Easting: 923077.2

Drilling Company: Ocean Survey Inc

Water Elev: 362.5 Ft

Mud Line: 342.7 Ft

Logging Company: Parsons Geologist: SARA CHMURA

Attempts: 1 Depth Units: Ft

Surface Water Depth: 19.8 Ft

Penetration Depth: 20.0 Core Recovery Depth: 19.8

Depth	Sample	PID	Mercury	uscs		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0151-01/OL-0231-18	2.6		ML	Wet, very soft, black to dark gray, SILT, trace organics, petroleum-like odor.	Vibracore	SILT
5 +	OL-0151-02/OL-0231-19	2.8		SOLW	0 to 22 inches is wet, very soft, gray to gray green, silt-like grains, 0.5 inch thick or smaller Solvay chunks at top of core, mothball odor. Rest of core is dark gray to black, wet, soft, SILT, trace fine sand, petroleum-like odor	Vibracore	Solvay Waste
					(ML).		SILT
-	OL-0151-03/OL-0233-07	0.4		SOLW	Wet, very soft, gray green, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	
10 +	OL-0151-04/OL-0231-20	5.9		SOLW	Top 4 inches is black. Rest of core is blue green, wet, soft, silt-like grains, trace fine sand, 1-inch thick or larger Solvay chunks throughout, mothball odor.	Vibracore	SOLVAY WASTE
15 —	OL-0151-05/OL-0233-08	0.0		SOLW	0 to 21 inches is wet, very soft to soft, blue green, silt-like grains, trace fine sand, mothball odor. Rest of core is dark gray to gray, medium stiff to soft, moist, CLAY, some silt, trace shells, sulfur odor, (MARL).	Vibracore	
19.8	OL-0151-06/OL-0232-01	0.0 Null field re	eadings indicate	CL careading	Moist, medium stiff, gray, CLAY, little silt, trace shells, trace organics, moderate plasticity, sulfur odor, (MARL).	Vibracore	CLAY/siit (MARL)

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20079A

Date: 08/17/2006

Weather: Scattered clouds 69-82 deg F

Northing: 1118448.30

Drilling Company: Ocean Survey Inc

Water Elev: 362.5 Ft

Easting: 923079.30 Mud Line: 342.7 Ft Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1
Depth Units: Ft

Surface Water Depth: 19.8 Ft

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Depth	Sample	PID	Mercury	USCS		Sample	_
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0151-07	1.8		ML	Wet, very soft, black, SILT, trace fine sand, trace organics, light gray discoloration at 25 inches, petroleum-like odor.	Vibracore	SILT
5 +	OL-0151-08	0.3		SOLW	Top 6 inches is wet, soft, black, SILT, trace fine sand, petroleum-like odor. Rest of core is gray green, wet, very soft, silt-like grains, trace fine sand, NAPL globule at 35 inches, mothball odor.	Vibracore	
	OL-0151-09	0.0		SOLW	Wet, very soft, gray green, silt-like grains, trace organic fibers, small isolated NAPL globule at 35 inches, mothball odor.	Vibracore	Solvay Waste
10 +	OL-0151-10	0.1		SOLW	Wet, soft, black to gray green to blue green, silt-like grains, trace fine sand, trace organics, 2 inch thick Solvay chunks in bottom half of core, black discoloration at 14 inches, mothball odor.	Vibracore	
15 +	OL-0151-11	0.2		SOLW	0 to 25 inches is wet, soft, blue green to gray, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, slight mothball odor. Rest of core is moist, medium stiff to stiff, gray, CLAY, some silt, moderate plasticity, trace shells, sulfur odor, (MARL).	Vibracore	
19.8	OL-0151-12	0.8	odings indicate	CL	Moist, medium stiff, gray, CLAY, little silt, trace shells, sulfur odor, (MARL).	Vibracore	CLAY-SILT (Marl)

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70016

Date: 08/19/2006

Weather: Overcast light rain 72-76 deg F

Northing: 1118264.30

Drilling Company: Ocean Survey Inc

Water Elev: 362.3 Ft

Easting: 926210.00

Logging Company: Parsons

Attempts: 2

Mud Line: 335.6 Ft

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 26.7 Ft

Penetration Depth: 20.0

Core Recovery Depth: 19.2

	Sample		USCS	Mercury	PID	Sample	Depth
Stratum	Method	Soil Description	Code	(mg/m3)	(ppm)	ID	Ft
	Vibracore	Wet, very soft, black, SILT, trace clay, trace fine sand, little organics, petroleum-like odor.	ML		0.6	OL-0158-20/OL-0235-12	0
	Vibracore	Wet, soft, black, SILT, trace fine sand to little fine sand, little clay, trace organics, petroleum-like odor.	ML		0.7	OL-0159-14/OL-0233-09	5 +
SILT	Vibracore	Wet, soft, black, SILT, trace fine sand to little fine sand, little clay, trace organics, petroleum-like odor.	ML		3.4	OL-0159-15/OL-0233-10	-
	Vibracore	Wet, soft, light gray to black, SILT, trace clay, trace fine sand, trace organics, slight petroleum-like odor and organic odor.	ML		2.5	OL-0159-16/OL-0235-13	10
	Vibracore	0 to 16 inches is wet, soft, gray, SILT, trace clay. Rest of core is wet, soft, black, CLAY and SILT, trace fine sand, moderate plasticity, trace organics.	CL		1.4		15 +
SILT-CLAY	Vibracore	Wet, soft, black, CLAY and SILT, moderate plasticity, trace organics, petroleum-like odor.	ML a reading	adings indicate	2.5	OL-0159-18/OL-0233-11	19.2
SIL	Vibracore	0 to 16 inches is wet, soft, gray, SILT, trace clay. Rest of core is wet, soft, black, CLAY and SILT, trace fine sand, moderate plasticity, trace organics.	CL	eadings indicate	1.4 2.5		15 -

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70017

Date: 08/19/2006

Weather: Overcast light rain 72-76 deg F

Northing: 1117925.90 Easting: 926250.80

Drilling Company: Ocean Survey Inc

Water Elev: 362.2 Ft

Mud Line: 341.9 Ft

Logging Company: Parsons

Attempts: 1

Widd Line. 041.011

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 20.3 Ft

Penetration Depth: 20.0 Core Recovery Depth: 20.0

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0157-01/OL-0233-12	1.9		OL	Wet, soft, black, SILT, some fine sand, organics, throughout, grading to dark gray, SILT at bottom of core, petroleum odor.	-like Vibracore	SILT-ORGANICS
5 -	OL-0157-02/OL-0235-14	4.9		SOLW	0 to 15 inches is wet, very soft to soft, dark gray to gray green, silt-like grains, trace fine sand, small 1/8 inch isolated NAPL globule at 1 inch, mothball odor and organic odor. Rest of core is grayish white, silt-like grains, trace fine sand, small pin-sized NAPL globule at 35 inches.	Vibracore	
	OL-0157-03/OL-0233-13	4.7		SOLW	Wet, very soft to soft, gray green, silt-like grains, trace fine sand, dark gray discoloration from 15 to 22 inches, 0.5 inch thick or smaller Solvay chunks within the discoloration, mothball odor and slight organic odor.	Vibracore	
10 +	OL-0157-04/OL-0233-14	3.0		SOLW	Wet, very soft, gray green, silt-like grains, trace fine sand in upper part of core, mothball odor.	Vibracore	Solvay Waste
15 -	OL-0157-05/OL-0233-15	2.0		SOLW	Wet, very soft to soft, gray green to grayish white, silt-like grains, 0.5 inch thick or smaller Solvay chunks in top 12 inches of core, trace fine sand, mothball odor.	Vibracore	
19.8	OL-0157-06/OL-0233-16	2.3		ML	Wet, soft, dark gray with black discoloration throughout, SILT, little to trace clay, low plasticity, petroleum-like odor.	Vibracore	SILT

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70018

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F

Northing: 1117598.10

Drilling Company: Ocean Survey Inc

Water Elev: 362.2 Ft

Easting: 926309.20 Mud Line: 346.0 Ft Logging Company: Parsons

Attempts: 1

WIGG EING. 040.01 t

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 16.2 Ft

Penetration Depth: 20.0 Core Recovery Depth: 19.6

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0155-14/OL-0233-17	0.1		ML	Wet, soft, to very soft, dark gray to black, SILT, trace clay, trace fine sand, trace organics, organic odor and slight hydrocarbon-like odor.	Vibracore	
5 +	OL-0155-15/OL-0235-15	1.9		ML	Wet, soft, black to dark gray, SILT, trace fine sand, little to trace clay, low plasticity, petroleum and hydrocarbon-like odors, some organic fibers throughout.	Vibracore	SILT
+					Wet, soft to very soft, dark gray, SILT, grading to dark gray to gray green		
+	OL-0155-16/OL-0233-18	2.2		SOLW	SILT, grading to dark gray to gray green Solvay at 7 inches, hydrocarbon-like odor and mothball odor, trace fine sand.	Vibracore	Solvay Waste
10	OL-0155-17/OL-0233-19	0.7		ML	Wet, very soft to soft, dark gray, SILT, trace clay, trace fine sand, trace coal-like fragments in bottom of core, gray brown, oil-like material at 20, 21, and 22 inches, hydrocarbon-like odor and slight petroleum-like odor.	Vibracore	
15	OL-0155-18/OL-0235-16	0.7		ML	Wet, soft to medium stiff, dark gray to gray, SILT, trace clay in top of core, grading to some clay at bottom of core, moderate plasticity, trace organics, trace wood at 32 inches, petroleum-like odor.	Vibracore	SILT
19.6	OL-0155-19/OL-0233-20	0.6	adings indicate	ML	Wet, to moist, black, SILT, some clay, moderate plasticity, trace organics, petroleum-like odor.	Vibracore	
19.6		Null field re	adings indicate	e a reading	g was not taken.		

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70019

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F

Northing: 1117503.50 Easting: 926562.20 Drilling Company: Ocean Survey Inc

Water Elev: 362.3 Ft

Mud Line: 350.5 Ft

Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1
Depth Units: Ft

Surface Water Depth: 11.8 Ft

Penetration Depth: 20.0

Core Recovery Depth: 19.0

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0156-01/OL-0234-01	0.2		ML	Wet, very soft to soft, black, SILT, little to trace fine sand, trace clay, hydrocarbon-like odor in bottom half of core.	Vibracore	
5 +	OL-0156-02/OL-0234-02	0.0		ML	Wet, soft, black, SILT, trace to some clay, trace fine sand, moderate plasticity, trace organics, petroleum-like odor and slight hydrocarbon odor.	Vibracore	
-	OL-0156-03/OL-0235-17	0.0		ML	Wet, soft, dark gray to black, SILT, some clay, low to moderate plasticity, trace organics, petroleum-like odor, hydrocarbon-like odor.	Vibracore	SILT-CLAY
10		0.0		ML	Wet, soft, dark gray to black, SILT, some clay, low to moderate plasticity, trace organics, petroleum-like odor, hydrocarbon-like odor.	Vibracore	
15 —	OL-0156-05/OL-0234-03	0.0		ML	Wet to moist, soft, black, SILT, some clay, moderate plasticity, fine black sand lens at 30 inches, petroleum and hydrocarbon-like odor.	Vibracore	
19.0	OL-0156-08/OL-0235-18	0.0		CL	Wet to moist, soft, black, CLAY and SILT, moderate plasticity, gray fine grained sand lens at 15.5 inches, organic odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70020

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F

Northing: 1117125.80 Easting: 926516.60 Drilling Company: Ocean Survey Inc

Water Elev: 362.2 Ft

Mud Line: 352.4 Ft

Logging Company: Parsons

Attempts: 1

Widd Lille. 332.41 t

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 9.8 Ft

Penetration Depth: 20.0 Core Recovery Depth: 19.2

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0155-01/OL-0234-04	0.0		ML	Wet, soft, black, SILT, little clay, trace fine sand, low plasticity,organic odor and slight petroleum-like odor.	Vibracore	
5 +	OL-0155-02/OL-0234-06	0.0		ML	Wet, soft, black, SILT, little clay, trace fine sand, low plasticity, trace organics, light gray discoloration at 23 inches, petroleum-like odor.	Vibracore	
-	OL-0155-03/OL-0234-05	0.0		ML	Wet, soft, black to dark gray, SILT, some to little clay, low plasticity, trace organics, petroleum-like odor.	Vibracore	SILT-CLAY
10 +	OL-0155-04/OL-0234-07	0.0		ML	Wet, soft, gray to dark gray, SILT, some to little clay, low to moderate plasticity, trace organics, petroleum-like odor.	Vibracore	
15 —	OL-0155-05/OL-0235-19	0.0		ML	Wet, soft, black, SILT, some clay, trace fine sand, trace organics, low to moderate plasticity, brown organics at 15 inches, petroleum-like odor.	Vibracore	
19.2	OL-0155-08/OL-0234-08	0.0		ML	Wet, soft, black, SILT, some clay, trace fine sand, trace organics, low to moderate plasticity, petroleum-like odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70021

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F

Northing: 1117330.60 Easting: 926381.70

Drilling Company: Ocean Survey Inc

Water Elev: 362.3 Ft

Logging Company: Parsons

Attempts: 1

Mud Line: 350.3 Ft

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 12.0 Ft

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0153-01/OL-0234-09	5.5		ML	Wet, soft, black to dark gray, CLAY, trace fine sand, some organics, hydrocarbon and petroleum-like odor.	Vibracore	CLAY
5 +	OL-0153-02/OL-0234-10	7.6		ML	0 to 22 inches is wet, soft, black to dark gray, SILT, trace fine sand, trace organics, isolated pin-sized NAPL globules at 11 inches, hydrocarbon and petroleum-like odors. Rest of core is wet, soft, gray, 0.5 inch thick or smaller Solvay chunks at 35 inches, slight hydrocarbon-like	Vibracore	SILT
					chunks at 35 inches, slight hydrocarbon-like lodor and slight mothball odor.		
	OL-0153-03/OL-0235-20	2.8		SOLW	Wet, soft, gray to grayish white, silt-like grains, trace fine sand, isolated pin-sized NAPL globules at 12 inches, 1-inch thick or larger Solvay chunks in bottom half of core, mothball odor.	Vibracore	
10 —	OL-0153-04/OL-0234-11	2.5		SOLW	Wet, soft, gray green to gray, silt-like grains, trace fine sand, trace organics at 2 inches, slight mothball odor.	Vibracore	Solvay Waste
15 —	OL-0153-05/OL-0234-12	2.8		ML	0 to 24 inches is wet, soft, gray to dark gray, silt-like grains, trace fine sand, very slight mothball odor. Rest of core is wet, soft, black, SILT, trace organics.	Vibracore	
19.8	OL-0153-08/OL-0234-13	2.8 Null field re	adings indicate	ML e a readino	Wet, black, soft, SILT, trace fine sand, trace clay, trace organics.	Vibracore	SILT

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70021A

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F

Northing: 1117330.00

Easting: 926379.50

Mud Line: 350.3 Ft

Surface Water Depth: 12.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA Water Elev: 362.3 Ft

Attempts: 1 Depth Units: Ft

Surface	Water Depth: 12.0	Ft Pe	netration De	epth: 20	.0 Core Recovery Depth: 19.8		
Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0152-14	3.7		ML	Wet, soft, black, SILT, trace fine sands, hydrocarbon and petroleum-like odor.	Vibracore	QU.T.
5 +	OL-0152-15	4.6		ML	Wet, soft, dark gray, SILT, trace fine sand, trace organics, slight hydrocarbon and petroleum-like odors.	Vibracore	SILT
+	OL-0152-16	9.4		SOLW	Wet, soft, gray to grayish white, silt-like grains, trace fine sands, 0.5 inch thick or smaller Solvay chunks at 4 inches and 29 inches, NAPL globules at 16 and 18 inches, hydrocarbon-like odor and slight mothball odor.	Vibracore	
10 +	OL-0152-17	1.8		SOLW	Wet, soft, light gray to gray, silt-like grains, trace fine sands, slight hydrocarbon and mothball-like odor.	Vibracore	Solvay Waste
15 +	OL-0152-18	1.9		SOLW	0 to 23 inches is wet, soft, gray, silt-like grains, trace fine sand, slight hydrocarbon and petroleum-like odor. Rest of core is wet, soft, black, silt-like grains, trace fine sand, hydrocarbon and petroleum-like odors, core is a 50/50 mix of SOLW and ML	Vibracore	
19.8	OL-0152-19	3.5	eadings indicate	ML e a reading	Wet, soft, black, SILT, trace fine sand, trace organics throughout, slight hydrocarbon and petroleum-like odors.	Vibracore	SILT

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70022

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F

Northing: 1117172.1 Easting: 926817.1 Drilling Company: Ocean Survey Inc

Water Elev: 362.3 Ft

Mud Line: 353.1 Ft

Logging Company: Parsons Geologist: SARA CHMURA Attempts: 1
Depth Units: Ft

Surface Water Depth: 9.2 Ft

Penetration Depth: 20.0

Core Recovery Depth: 19.2

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0156-07/OL-0236-01	0.0		ML	Wet, very soft to soft, dark gray to black, SILT, trace clay, trace fine sand, petroleum-like odor and hydrocarbon-like odor.	Vibracore	
5 +	OL-0156-08/OL-0234-14	0.0		ML	Wet, soft, black, SILT, some to little clay, light gray discoloration at 10 and 19 inches, trace organics, hydrocarbon-like odor.	Vibracore	
-	OL-0158-09/OL-0234-15	0.0		ML	Wet to moist, black, soft, SILT, some clay, trace organics, petroleum-like odor, bottom 4 inches is a fine sand, gravel and wood layer, strong petroleum-like odor in bottom.	Vibracore	SILT-CLAY
10 —	OL-0156-10/OL-0234-16	0.0		ML	Wet to moist, black, soft, SILT, some clay, trace fine sand, moderate plasticity, fine sand and wood seam at 36 inches, slight hydrocarbon-like odor.	Vibracore	
15 —	OL-0156-11/OL-0234-17	0.1		CL	Wet to moist, soft, black, CLAY and SILT, slight petroleum-like odor, moderate plasticity, one inch long wood fragment at 36 inches.	Vibracore	
19.2	OL-0156-12/OL-0236-02	0.0 Null field re	eadings indicate		0 to 3 inches is wet, loose, black, silt and fine sand, trace organics. Rest of core is moist, medium stiff to soft, black to dark gray, CLAY, some silt, trace shells, organics odor, light gray fine sand seam at 14 inches (MARL).	Vibracore	CLAY-SILT (Mari)

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70023

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F

Northing: 1116853.60

Drilling Company: Ocean Survey Inc

Water Elev: 362.4 Ft

Easting: 926348.60

Logging Company: Parsons

Attempts: 1

Mud Line: 356.5 Ft

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 5.9 Ft

Penetration Depth: 20.0

Core Recovery Depth: 19.5

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 -	OL-0155-07/OL-0234-18	3.9		ML	Wet, soft, dark gray with black organic discoloration throughout, SILT, little to trace clay, trace fine sand, petroleum-like odor and slight organic odor.	Vibracore	
5 -	OL-0155-09/OL-0234-19	1.9		ML	Wet, soft, black to dark gray, SILT, some clay, low to moderate plasticity, 1/16 inch thick fine sand seam at 15 inches, strong petroleum-like odor.	Vibracore	SILT
- - -	OL-0155-10/OL-0236-03	2.5		ML	Wet, soft, dark gray, with black discoloration throughout, SILT, little to trace clay, low plasticity, petroleum-like odor and slight hydrocarbon-like odor.	Vibracore	
10 +	OL-0155-11/OL-0236-04	0.0		SOLW	Wet, soft, dark gray, SILT, trace clay, grading to gray green, silt-like grains at 19 inches, small pin-sized NAPL globules at 12, mothball odor and slight petroleum-like odor.	Vibracore	Solvay Waste
15 -	OL-0155-12/OL-0234-20	0.0		ML	Wet, soft, dark gray, black, SILT, little to trace clay, trace fine sand, low plasticity, tan discoloration with an oil-like texture form 9 to 12 inches.	Vibracore	SILT
19.5	OL-0155-13/OL-0235-01	0.0	adings indicate	ML	Wet, soft, black, SILT, some clay, moderate plasticity, trace organics, petroleum-like odor.	Vibracore	OIL1

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70024

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F

Northing: 1116857.8 Easting: 926641.2

Drilling Company: Ocean Survey Inc

Water Elev: 362.3 Ft

Mud Line: 356.0 Ft

Logging Company: Parsons

Attempts: 1

Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 6.3 Ft

Penetration Depth: 20.0 Core Recovery Depth: 18.5

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0154-07/OL-0235-02	0.1		ML	0 to 18 inches is wet, soft, dark gray to black, SILT and SAND, petroleum-like odor (SM). Rest of core is wet, soft, black, SILT, little to trace fine sand, trace clay, petroleum-like odor.	Vibracore	SILT-SAND
5 +	OL-0154-08/OL-0235-03	1.1		ML	Wet, soft, black, SILT, trace clay, trace fine sand, trace organics, petroleum-like odor.	Vibracore	
+	OL-0154-09/OL-0235-04	2.6		ML	Wet, soft, black, dark gray, SILT, some clay, moderate plasticity to low plasticity, petroleum-like odor.	Vibracore	
10 +	OL-0154-10/OL-0236-05	2.0		ML	Wet, soft, black, SILT, some clay, trace fine sand, trace organics, low to moderate plasticity, petroleum-like odor.	Vibracore	SILT-CLAY
15	OL-0154-11/OL-0235-05	0.9		ML	Moist to wet, black, soft, SILT, some clay, moderate plasticity, little organics, 4 inch long piece of timber at 28 inches, petroleum-like odor.	Vibracore	
18.5	OL-0154-13/OL-0235-06	0.1		ML	Moist to wet, black, soft, SILT, some clay, moderate plasticity, little organics, petroleum-like odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70024A

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F

Northing: 1116858.0 Easting: 926638.4

Drilling Company: Ocean Survey Inc

Water Elev: 362.3 Ft Attempts: 1

Mud Line: 356.0 Ft

Logging Company: Parsons Geologist: SARA CHMURA

Depth Units: Ft

Surface Water Depth: 6.3 Ft

Penetration Depth: 20.0

Core Recovery Depth: 19.0

			T	T			
Depth	Sample	PID	Mercury	USCS		Sample	044
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0154-01	0.9		ML	Wet, soft, black, SILT, little fine sand, trace organics.	Vibracore	
5 +	OL-0154-02	4.1		ML	Wet, soft, black to dark gray, SILT, some clay, trace fine sand in top half of core, low plasticity, petroleum-like odor.	Vibracore	
+	OL-0154-03	1.4		ML	Wet, soft, dark gray to black to dark gray, SILT, some clay, trace fine sand in top half of core, low plasticity, petroleum-like odor.	Vibracore	SILT-CLAY
10 +	OL-0154-04	0.6		ML	Wet, soft, black, SILT, little clay, low plasticity, trace organics, petroleum-like odor.	Vibracore	
15 +	OL-0154-05	0.2		ML	Wet, soft, black, SILT, some clay, moderate plasticity, trace organics, 0.5 inch thick gray, fine grained, sand seam at 17 inches, petroleum-like odor.	Vibracore	
19.0	OL-015 4 -06	0.1	sadings indicates	ML	Wet, soft, black, SILT, some clay, moderate plasticity, trace organics, coal-like fragments throughout, petroleum-like odor.	Vibracore	
		Null lield fe	auniya mulcate	a reading	y was not taken.		

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70031

Date: 08/19/2006

Weather: Overcast light rain 72-76 deg F

Northing: 1117865.50

Drilling Company: Ocean Survey Inc

Water Elev: 362.2 Ft

Easting: 926518.00

Logging Company: Parsons

Attempts: 1

Mud Line: 341.7 Ft

Geologist: SARA CHMURA

Penetration Depth: 20.0

Depth Units: Ft

Surface Water Depth: 20.5 Ft

Core Recovery Depth: 18.2

Depth	Sample	PID	Mercury	uscs		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0156-13/OL-0235-07	0.1	0.0	ML	Wet, very soft to soft, black, SILT, trace clay, trace fine sand, organic odor.	Vibracore	
5 —	OL-0156-14/OL-0236-06	1.1	0.0	ML	Wet, soft, black, SILT, little to some clay, trace organics, low plasticity, slight petroleum-like odor.	Vibracore	SILT
-	OL-0156-16/OL-0235-08	2.4	0.0	ML	Wet, soft, dark gray to black, SILT, little to trace clay, low plasticity, some organics, petroleum-like odor.	Vibracore	
10 +	OL-0156-17/OL-0235-09	1.4	0.0	ML	Wet to moist, soft, black, SILT and CLAY, low plasticity to moderate plasticity, trace organics, petroleum-like odor.	Vibracore	SILT-CLAY
14	OL-0156-18/OL-0235-10	0.0	0.0	ML	Wet, soft, black with dark gray, SILT, some clay, low plasticity, trace organics, petroleum-like odor and slight hydrocarbon odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70031

Date: 08/19/2006

Weather: Overcast light rain 72-76 deg F

Northing: 1117865.50

Drilling Company: Ocean Survey Inc

Water Elev: 362.2 Ft

Easting: 926518.00

Logging Company: Parsons

Attempts: 1

Mud Line: 341.7 Ft

Geologist: SARA CHMURA

Penetration Depth: 20.0

Depth Units: Ft

Surface Water Depth: 20.5 Ft

Core Recovery Depth: 18.2

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
15 —	OL-0156-18/OL-0235-10	0.0	0.0	ML	Wet, soft, black with dark gray, SILT, some clay, low plasticity, trace organics, petroleum-like odor and slight hydrocarbon odor.	Vibracore	SILT-CLAY
18.2	OL-0156-19/OL-0235-11	0.0	0.0	CL	Moist, soft, black, CLAY and SILT, moderate plasticity, organics, organic odor.	Vibracore	
		Null field re	adinas indicate	a readino	r was not taken		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70032

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F

Northing: 1117342.10

Easting: 926402.50

Mud Line: 349.9 Ft Surface Water Depth: 12.4 Ft Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0 Core Recovery Depth: 19.8

Water Elev: 362.3 Ft

Attempts: 1
Depth Units: Ft

Depth Sample PID Mercury USCS Sample Soil Description Stratum Method Ft ID (ppm) (mg/m3) Code 0 Wet, soft, black, SILT, trace fine sand, little organics, petroleum-like 1.8 ML OL-0154-14 Vibracore SILT Wet, soft, black to dark gray, SILT, trace clay, trace organics, slight petroleum-like odor. OL-0154-15 4.0 ML Vibracore 5 Wet, soft, gray, silt-like grains, trace fine sand, trace organics, dark gray discoloration form 30 to 36 inches, mothball odor. SOLW OL-0154-16 0.9 Vibracore Solvay Waste 10 Wet, soft, dark gray, SILT, little to trace clay, trace fine sand, low plasticity, hydrocarbon-like odor and slight petroleumlike odor. OL-0154-17 0.7 ML Vibracore SILT Wet, soft, dark gray to black, SILT, some clay, trace fine sand in top half of core, moderate plasticity, trace organics, petroleum-like odor. 1.3 MI OL-0154-18 Vibracore 15 SILT-CLAY Wet, soft, black to dark gray, SILT, some clay, trace fine sand, moderate plasticity, petroleum-like odor. ML 0.0 OL-0154-19 Vibracore 19.8

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70033

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F

Northing: 1117304.80

Easting: 926380.30

Mud Line: 350.8 Ft

Surface Water Depth: 11.5 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Attempts: 1

Water Elev: 362.3 Ft

Depth Units: Ft

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0 +	OL-0153-14	4.5		ML	Wet, soft, black, SILT, trace fine sand, trace organics, slight hydrocarbon-like and petroleum-like odor.	Vibracore	
5 +	OL-0153-15	1.8		ML	Wet, soft, black, SILT, trace fine sand, trace clay, isolated pin-sized NAPL pockets from 16 to 17 inches, slight petroleum-like odor.	Vibracore	SILT
					0 to 10 inches is wet, soft, gray, SILT, trace fine sand, slight hydrocarbon-like odor, (ML) grading toward Solvay. Rest		
+	OL-0153-16	3.8		SOLW	trace fine sand, slight hydrocarbon-like odor, (ML) grading toward Solvay. Rest of core is wet, soft, light gray to grayish white, silt-like grains, trace fine sand, 1-inch thick or larger Solvay chunks from 22 to 27 inches, slight mothball odor and slight hydrocarbon-like odor, isolated pin-sized NAPL globule at 15 and 18 inches.	Vibracore	Solvay Waste
	OL-0153-17	3.6		SOLW	O to 24 inches is wet, soft, grayish white to gray, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks from 1 to 5 inches, hydrocarbon-like odor and slight mothball-like odor, grading toward silt and Solvay. Rest of core is wet, soft, gray, SILT, trace fine sand, slight hydrocarbon-like and mothball-like odors.	Vibracore	
5 +	OL-0153-18	1.2		ML	Wet, soft, gray to black, SILT, little clay, slight hydrocarbon-like odor.	Vibracore	SILT
	OL-0153-19	1.3		ML	Wet, soft, black, SILT, some clay, trace organics throughout, slight hydrocarbon-like odor.	Vibracore	SILT-CLAY

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70034

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F

Northing: 1117342.60 Easting: 926358.60

Drilling Company: Ocean Survey Inc

Water Elev: 362.3 Ft

Mud Line: 350.3 Ft

Logging Company: Parsons Geologist: SARA CHMURA

Attempts: 2 Depth Units: Ft

Surface Water Depth: 12.0 Ft

Penetration Depth: 20.0

Core Recovery Depth: 19.2

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0153-07	1.2		ML	Wet, soft, black to dark gray, SILT, trace fine sand, trace organics.	Vibracore	
5 +	OL-0153-08	10.6		ML	Wet, soft, black to dark gray, SILT, trace fine sand, trace organics, slight hydrocarbon-like odor.	Vibracore	SILT
+					0 to 12 inches is wet, soft, gray, SILT, trace fine sand, (ML) grading to		
- -	OL-0153-10	3.8		SOLW	0 to 12 inches is wet, soft, gray, SILT, trace fine sand, (ML) grading to Solvay, light gray to light gray green, wet, soft, silt-like grains, trace fine sand, 0.5 inch thick Solvay chunks throughout, slight mothball odor.	Vibracore	
10 +	OL-0153-11	3.0		SOLW	Wet, soft, gray green to gray, silt-like grains , trace fine sand, slight mothball odor.	Vibracore	Solvay Waste
15 —	OL-0153-12	1.4		ML	Wet, soft, gray to black, SILT, bottom half of core is trace fine sand, trace clay.	Vibracore	SILT
19.2	OL-0153-13	1.4 Null field re	eadings indicate	ML e a reading	Wet, soft, black, SILT, some clay, trace organics throughout.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80028

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118619.20

Drilling Company: Ocean Survey Inc

Water Elev: 362.7 Ft

Easting: 923386.49

Logging Company: Parsons

Attempts: 1

Mud Line: 328.7 Ft

Geologist: HILLARY SLETTEN

Depth Units: Ft

Surface Water Depth: 34.0 Ft

Penetration Depth: 20.0 Core Recovery Depth: 17.2

Depth	Sample	PID	Mercury	uscs		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0207-10	0.3		ML	Wet, soft, black, SILT, little clay, strong petroleum odor.	Vibracore	
	OL-0207-11/OL-0281-07	0.4		ML	Wet, soft, black, SILT, little to some clay, low plasticity, strong petroleum odor.	Vibracore	
5 +	OL-0207-12/OL-0271-15	2.1		ML	Wet, soft, black to gray to black, SILT, little to some clay, trace fine sand, low plasticity in bottom half of core, very strong petroleum-like odor.	Vibracore	Silt
	OL-0207-13	0.8		ML	0 to 11 inches is wet, soft, black, SILT, trace fine sand, coal-like fragments from 7 to 9 inches, strong petroleum-like odor. 11 to 27 inches is wet, very soft to soft, greenish-blue, SILT and silt-like grains, trace fine sand, mothball odor (SOLW). 27 inches to end of core is wet, soft, greenish-blue to black, SILT, little clay, trace fine sand, mothball-and petroleum-like odor.	Vibracore	Solvay Waste
10	QL-920Z-1540L-92Z1-16						Silt

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80028

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118619.20

Drilling Company: Ocean Survey Inc

Water Elev: 362.7 Ft

Easting: 923386.49

Logging Company: Parsons

Attempts: 1

Mud Line: 328.7 Ft

Geologist: HILLARY SLETTEN

Depth Units: Ft

Surface Water Depth: 34.0 Ft

Penetration Depth: 20.0

Core Recovery Depth: 17.2

	<u> </u>			-	• •		
Depth	Sample	PID	Mercury	USCS		Sample	_
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
10					0 to 9 inches is wet, soft, black, SILT, little to some clay, trace fine sand, coal-like fragments in upper 2 inches, slight petroleum-like odor (ML).		Silt
	OL-0207-15/OL-0271-16	0.5		CL	SILT, little to some clay, trace fine sand, coal-like fragments in upper 2 inches, slight petroleum-like odor (ML). 9 inches to end of core is wet, medium stiff, dark grayish-brown, SILT and CLAY, trace fine sand, moderate to high plasticity, black discoloration throughout (CL).	Vibracore	Silt/clay
15 —	OL-0207-18/OL-0271-17	0.4		CL	Wet, medium stiff, dark grayish-brown, CLA and SILT, black discoloration throughout.	Vibracore	Clay/Silt
				CL	Wet, medium stiff, dark grayish-brown, CLA and SILT, black discoloration throughout.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80029

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118587.03 Easting: 924083.93 Drilling Company: Ocean Survey Inc

Water Elev: 362.7 Ft

Mud Line: 330.1 Ft

Logging Company: Parsons Geologist: HILLARY SLETTEN Attempts: 1
Depth Units: Ft

Widd Line. 000.111

Surface Water Depth: 32.6 Ft Penet

Penetration Depth: 20.0

Core Recovery Depth: 20.0

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0207-18	1.1		ML	Wet, soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	Silt
+	OL-0207-19	5.4		SOLW	Wet, very soft, grayish-green to grayish-white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
5 +	OL-0207-20/OL-0281-08	5.2		SOLW	Wet, soft, whitish-green, silt-like grains, trace fine sand, 0.5 inch thick Solvay chunks in upper 6 inches, mothball odor.	Vibracore	Solvay Waste
10	OL-0208-01/OL-0271-11	13.6		SOLW	Wet, soft, grayish-blue to light green to grayish-green, silt-like grains, trace fine sand, black discoloration from 3 to 4 inches and from 28 to 29 inches, coal-like fragments from 3 to 4 inches, mothball odor.	Vibracore	
10 —					 		

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80029

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118587.03

Drilling Company: Ocean Survey Inc

Water Elev: 362.7 Ft

Easting: 924083.93 Mud Line: 330.1 Ft Logging Company: Parsons Geologist: HILLARY SLETTEN Attempts: 1
Depth Units: Ft

Surface Water Depth: 32.6 Ft

Penetration Depth: 20.0

.0 Core Recovery Depth: 20.0

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
10	OL-0208-02/OL-0271-12	10.6		SOLW	0 to 26 inches is wet, soft, grayish-green, silt-like grains, trace fine sand, some degraded NAPL globules from 11 to 26 inches, mothball and petroleum-like odor (SOLW). Rest of core is wet, soft, dark gray, SILT, trace fine sand, petroleum-like odor (ML).	Vibracore	
15 -	OL-0208-03/OL-0271-13	6.4		SOLW	Wet, soft, grayish-green to light grayish-green, silt-like grains, trace fine sand, black discoloration from 21 to 25 inches, small Solvay chunks within discoloration.	Vibracore	Solvay Waste
-	OL-0208-04/OL-0271-14	14.2		SOLW	Wet, soft, grayish-green to grayish-white, silt-like grains, trace fine sand, black discoloration from 4 to 5 inches, pin size NAPL globules from 20.5 to 24 inches, mothball odor.	Vibracore	
20.0		Null field re	adings indicate	a reading	was not taken.		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80030

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118544.70

Drilling Company: Ocean Survey Inc

Water Elev: 362.7 Ft

Easting: 924725.98 Mud Line: 331.2 Ft

Logging Company: Parsons Geologist: HILLARY SLETTEN Attempts: 1 Depth Units: Ft

Surface Water Depth: 31.5 Ft

Penetration Depth: 20.0

Core Recovery Depth: 20.0

Depth	Sample	PID	Mercury	uscs		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0208-06	2.9		ML	Wet, soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
	OL-0208-07	5.2		SOLW	0 to 9 inches is wet, soft black, SILT and silt-like grains, trace fine sand, 0 to 0.5 inch thick Solvay chunks from 4 to 8 inches. Rest of core is wet, soft, green to grayish-green silt-like grains, trace fine sand, mothball odor.	Vibracore	Silt
5 +	OL-0208-08/OL-0281-17	3.9		SOLW	Wet, soft, grayish-green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0208-09/OL-0272-03	4.6		SOLW	Wet, soft, grayish-green, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
10 上	QL-0208_10/OL-0272-04	L	L		L		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80030

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118544.70

Drilling Company: Ocean Survey Inc

Water Elev: 362.7 Ft

Easting: 924725.98

Logging Company: Parsons

Attempts: 1

Mud Line: 331.2 Ft

Geologist: HILLARY SLETTEN

Depth Units: Ft

Surface Water Depth: 31.5 Ft

Penetration Depth: 20.0 Core Recovery Depth: 20.0

Depth	Sample	PID	Mercury	uscs		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
	OL-0208-10/OL-0272-04	2.1		SOLW	0 to 4 inches is wet, soft, black, silt-like grains, trace fine sand, small Solvay chunks throughout, mothball odor. Rest of core is wet, soft grayish-white to grayish-green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
15 —	OL-0208-11/OL-0272-05	2.9		SOLW	Wet, soft, grayish-white to grayish-green, silt-like grains, trace fine sand, dark gray discoloration at 39 inches and 42 inches, mothball odor.	Vibracore	Solvay Waste
20.0	OL-0208-12/OL-0272-06	2.0		SOLW	Wet, soft, grayish-green to grayish-white, silt-like grains, trace fine sand.	Vibracore	
20.0		Null field re	adings indicate	a reading	was not taken.		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80031

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118458.26

Drilling Company: Ocean Survey Inc

Water Elev: 362.7 Ft

Easting: 925320.47 Mud Line: 328.7 Ft

Logging Company: Parsons

Attempts: 1 Depth Units: Ft

Surface Water Depth: 34.0 Ft

Geologist: HILLARY SLETTEN Penetration Depth: 20.0

Core Recovery Depth: 20.0

		· '					
Depth	Sample	PID	Mercury	USCS		Sample	.
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0210-01/OL-0272-07	1.3		SOLW	Wet, soft, dark gray, SILT and silt-like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0210-02/OL-0272-08	3.4		SOLW	Wet, soft, blue-green to grayish-white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
5	OL-0210-03/OL-0272-09	3.4		SOLW	Wet, soft, grayish-green, silt-like grains, trace fine sand, black discoloration from 30 to 34 inches, mothball odor.	Vibracore	Solvay Waste
-	OL-0210-04/OL-0272-10	1.9		SOLW	Wet, soft, grayish-white, silt-like grains, trace fine sand, pin size NAPL globules from 5 to 8 inches, mothball odor.	Vibracore	
10 上	ΩL-0210-06/OL-0272-11	L	L		<u> </u>		L

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80031

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118458.26

Drilling Company: Ocean Survey Inc

Water Elev: 362.7 Ft

Easting: 925320.47

Logging Company: Parsons

Attempts: 1

Mud Line: 328.7 Ft

Geologist: HILLARY SLETTEN

Depth Units: Ft

Surface Water Depth: 34.0 Ft

Penetration Depth: 20.0

Core Recovery Depth: 20.0

Depth	Sample	PID	Mercury	uscs		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
10	OL-0210-06/OL-0272-11	1.9		SOLW	Wet, soft, grayish-white, silt-like grains, trace fine black sand, black discoloration from 34 to 35 inches and dark gray from 37 inches to end of core, mothball odor.	Vibracore	
15 -	OL-0210-07/OL-0272-12	2.2		SOLW	Wet to moist, soft to hard, grayish-green to grayish-white, silt-like grains, trace fine sand, dark gray discoloration from 11 to 13 inches, isolated pin size NAPL globules at 18 inches, mothball odor.	Vibracore	Solvay Waste
20.0	OL-0210-08/OL-0272-13	18.6		SOLW	Wet, soft, grayish-white to grayish-green, silt-like grains, trace fine sand, dark gray discoloration from 26 to 30 inches, mothball odor.	Vibracore	
20.0		Null field re	adings indicate	a reading	was not taken.		-

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80032

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118423.13

Easting: 926062.69

Mud Line: 295.6 Ft

Surface Water Depth: 31.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Attempts: 1

Attempts: 1
Depth Units: Ft

Water Elev: 326.6 Ft

Core Recovery Depth: 18.4

ID OL-0210-09	(ppm) 0.9	(mg/m3)	Code ML	Soil Description Wet, very soft, black, SILT, trace fine sand, slight petroleum-like odor. Wet soft black SILT trace fine	Method Vibracore	Stratum
OL-0210-09	0.9		ML		Vibracore	
				Tyver, son, piack, Sill, frace line		
)L-0210-10/OL-0281-04	1.1		ML	Wet, soft, black, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	
				Wet, soft, black, SILT, little clay, trace fine sand, little organics in bottom half, slight petroleum-like odor.		Silt
OL-0210-11	3.9		ML		Vibracore	
				0 to 12 inches is wet soft, black, SILT, little clay, trace fine sand, slight petroleum-like odor (ML). 12 to 24 inches is wet, soft, dark gray, SILT and silt-like grains, trace fine sand, isolated pin size NAPL globules at 25 inches, slight		
)L-0210-12/OL-0272-14	0.7		SOLW	mothball odor, 24 inches to end of core is wet, soft, grayish-white silt-like grains, trace fine sand, mothball odor (SOLW).	Vibracore	Solvay Waste
•					OL-0210-11 3.9 ML Oto 12 inches is wet soft, black, SILT, little clay, trace fine sand, slight petroleum-like odor (ML). 12 to 24 inches is wet, soft, dark gray, SILT and silt-like grains, trace fine sand, isolated pin size NAPL globules at 25 inches, slight mothball odor, 24 inches to end of core is wet, soft, grayish-white silt-like grains, trace fine sand, mothball odor	OL-0210-11 3.9 ML Oto 12 inches is wet soft, black, SILT, little clay, trace fine sand, slight petroleum-like odor (ML). 12 to 24 inches is wet, soft, dark gray, SILT and silt-like grains, trace fine sand, isolated pin size NAPL globules at 25 inches, slight mothball odor, 24 inches to end of core is wet, soft, gray/issh-white silt-like grains, trace fine sand, mothball odor

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80032

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118423.13

Easting: 926062.69

Mud Line: 295.6 Ft

Surface Water Depth: 31.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 18.4

Water Elev: 326.6 Ft

Attempts: 1

Depth Units: Ft

Depth	Sample	PID	Mercury	USCS	,	Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
10	OL-0210-13/OL-0272-15	1.1		ML	0 to 5 inches is wet, soft dark grayish-green silt-like grains, little fine sand, mothball odor (SOLW). 5 inches to rest of core is wet, soft, gray, SILT, little clay, trace fine sand, slight petroleum-like odor (ML).	Vibracore	Solvay Waste
15 —	OL-0210-14/OL-0272-16	3.5		ML	Wet, soft, black, SILT, some clay, trace fine sand, low to moderate plasticity, trace organics, slight petroleum-like odor.	Vibracore	Silt
18.4	OL-0210-15/OL-0272-17	1.0	adings indicate	ML a reading	Wet, soft, black, SILT, some clay, trace fine sand, low to moderate plasticity, trace organics, slight petroleum-like odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80033

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118853.27

Surface Water Depth: 45.4 Ft

Easting: 923782.94

Mud Line: 317.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 19.7

Water Elev: 362.7 Ft

Attempts: 3
Depth Units: Ft

USCS Depth Sample PID Mercury Sample Soil Description Stratum Method Ft ID (ppm) (mg/m3) Code Wet, soft, black, SILT, little clay, trace fine sand, slight petroleum-like odor. 0 0.7 ML OL-0210-16/OL-0281-09 Vibracore Wet, soft, black, SILT, little clay, trace fine sand, slight petroleum-like odor. OL-0210-17 2.1 ML Vibracore Silt Wet, soft, gray, silt and silt-like grains, trace clay, trace fine sand, black discoloration from 20 to 28 inches, mothball odor. OL-0210-18/OL-0271-01 5.9 ML Vibracore 5 Wet, soft, dark gray to grayish-green, silt-like grains, trace fine sand, NAPL stringer in top 1 inch, several isolated NAPL globules throughout entire core, mothbăll odor. SOLW OL-0211-01/OL-0271-02 12.6 Vibracore Solvay Waste ___ OL-0211-02/OL-0271-03

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80033

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118853.27

Surface Water Depth: 45.4 Ft

Drilling Company: Ocean Survey Inc

Water Elev: 362.7 Ft

Easting: 923782.94

Logging Company: Parsons Geologist: HILLARY SLETTEN Attempts: 3 Depth Units: Ft

Mud Line: 317.3 Ft

Penetration Depth: 20.0

Core Recovery Depth: 19.7

Depth	Sample	PID	Mercury	uscs		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
10	OL-0211-02/OL-0271-03	1.7		SOLW	Wet, soft, dark grayish-green to light grayish-green, silt-like grains, trace fine sand, NAPL stringer in top 1 inch, several mid size NAPL globules from 0 to 23 inches, mothball odor.	Vibracore	
15 —	OL-0211-03/OL-0271-04	2.0		SOLW	Wet, soft, grayish-green to green, silt-like grains, trace fine sand, black discoloration from 4 to 5 inches and 11 to 27 inches, mothball odor.	Vibracore	Solvay Waste
19.7	OL-0211-04/OL-0271-05	2.5		SOLW	0 to 20 inches wet, soft, greenish-blue to gray, silt-like grains, trace fine sand, mothball odor. Rest of core is wet, soft, black SILT and silt-like grains, trace fine sand, small Solvay chunks within, little clay in bottom 4 inches, faint petroleum-like odor.	Vibracore	
19./		Null field re	adings indicate	a reading	was not taken.		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80034

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118808.82

Drilling Company: Ocean Survey Inc

Water Elev: 362.6 Ft

Easting: 924390.58 Mud Line: 317.3 Ft Logging Company: Parsons Geologist: HILLARY SLETTEN Attempts: 1
Depth Units: Ft

Surface Water Depth: 45.3 Ft

Penetration Depth: 20.0

Core Recovery Depth: 19.6

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0211-06/OL-0281-10	0.8		ML	Wet, soft, black, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	
-	OL-0211-07	0.9		ML	Wet, soft, black, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	Silt
5 —	OL-0211-08/OL-0271-06	2.5		SOLW	Wet, soft to very soft, black to grayish-white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10	OL-0211-09/OL-0271-07	3.2		SOLW	Wet, soft, grayish-white to green to gray, silt-like grains, trace fine sand, black discoloration from 8 to 9 inches, mothball odor.	Vibracore	Solvay Waste
10 —	L _ QL-0211=10/OL=0271-08	L	L	L	L	L	L

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80034

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Core Recovery Depth: 19.6

Northing: 1118808.82

Easting: 924390.58

Mud Line: 317.3 Ft

58

Surface Water Depth: 45.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Water Elev: 362.6 Ft

Attempts: 1

Depth Units: Ft

Sullace	e vvater Deptili. 40.0	1 0	ietiation De	pui. 20.	Cole Recovery Deptil. 19.0		
Depth	Sample	PID	Mercury	uscs		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
10	OL-0211-10/OL-0271-08	4.2		ML	Wet, soft dark gray silt and silt-like grains, trace fine sand, mothball odor.	Vibracore	
15 —	OL-0211-11/OL-0271-09	19.0		SOLW	0 to 31 inches is wet, soft, greenish-blue to grayish-white to greenish-blue, silt-like grains, trace fine sand, several pin size NAPL globules throughout, NAPL stringer at 19 inches, mothball odor. Rest of core is wet, soft, dark gray, silt and silt-like grains, trace fine sand, little clay in last 3 inches, slight mothball odor.	Vibracore	Solvay Waste
19.6	OL-0211-12/OL-0271-10	10.9		ML	Wet, soft, black, silt and silt-like grains, trace fine sand, trace organics, petroleum-like odor.	Vibracore	Silt/solvay waste
		Null field re	eadings indicate	a reading	was not taken.		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80035

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118788.21

Drilling Company: Ocean Survey Inc

Water Elev: 362.6 Ft

Easting: 925064.00 Mud Line: 320.0 Ft Logging Company: Parsons Geologist: HILLARY SLETTEN Attempts: 1
Depth Units: Ft

Surface Water Depth: 42.6 Ft

Penetration Depth: 20.0

Core Recovery Depth: 19.0

	<u>'</u>		1	· ·	, , <u> </u>		
Depth	Sample	PID	Mercury	USCS		Sample	<u>.</u>
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0211-13/OL-0281-18	0.5		ML	Wet, soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
-	OL-0211-14	0.8		ML	Wet, soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	Silt
5 -	OL-0211-15/OL-0273-11	2.9		SOLW	0 to 20 inches is wet, soft, black to dark gray, silt and silt-like grains, trace fine sand, trace organics, slight petroleum-like and mothball odor. Rest of core is grayish-green to grayish-white, silt-like grains, trace fine sand, isolated pin size NAPL globules at 23 inches and 36 inches, mothball odor.	Vibracore	
-	OL-0211-16/OL-0273-12	8.1		SOLW	Wet, soft, light grayish-green to gray, silt-like grains, trace fine sand, dark gray discoloration from 15 to 22 inches, small Solvay chunks within, mothball odor.	Vibracore	Solvay Waste
10 ⊥	QL-0211-17/OL-0273-13	1	L		L		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80035

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118788.21

Drilling Company: Ocean Survey Inc

Water Elev: 362.6 Ft

Easting: 925064.00 Mud Line: 320.0 Ft

Logging Company: Parsons Geologist: HILLARY SLETTEN Attempts: 1 Depth Units: Ft

Surface Water Depth: 42.6 Ft

Penetration Depth: 20.0

Core Recovery Depth: 19.0

PID USCS Depth Sample Mercury Sample Soil Description Stratum (mg/m3) Ft ID Code Method (ppm) Wet, soft, gray to dark gray, SILT, trace fine sand, little clay in last 12 inches of core, slight petroleum-like 10 odor. 1.8 ML OL-0211-17/OL-0273-13 Vibracore Wet, soft, black, SILT, little to some clay, trace fine sand, low to moderate plasticity, trace organics, petroleum-like odor. Silt OL-0211-18/OL-0273-14 5.1 ML Vibracore 15 Wet, soft, black, SILT, little to some clay, low to moderate plasticity, petroleum-like odor. 0.9 ML Vibracore OL-0211-19/OL-0273-15 19.0

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80036

Date: 10/10/2006

Weather: 57 degrees F, winds 5 mph

Northing: 1118777.25

Drilling Company: Ocean Survey Inc

Water Elev: 362.7 Ft

Easting: 925582.28 Mud Line: 321.6 Ft

Logging Company: Parsons Geologist: HILLARY SLETTEN Attempts: 1 Depth Units: Ft

Surface Water Depth: 41.1 Ft

Penetration Depth: 20.0 Core Recovery Depth: 18.5

Depth	Sample	PID	Mercury	uscs		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0215-01/OL-0281-19	0.7		ML	Wet, very soft, black, SILT, trace fine sand.	Vibracore	
- - - -	OL-0215-02	0.7		ML	Wet, soft, black, SILT, trace fine sand.	Vibracore	Silt
5 -	OL-0215-03/OL-0273-07	9.8		ML	0 to 24 inches is wet, soft, black, SILT, little to some clay, low plasticity, trace fine sand, petroleum-like odor. Rest of core is wet, very soft, gray, SILT and silt-like grains, trace fine sand, slight petroleum-like and mothball odor.	Vibracore	
- - - -	OL-0215-04/OL-0281-20	9.7		ML	Wet, soft, dark gray to gray, SILT, little silt-like grains, trace fine sand, petroleum-like odor.	Vibracore	Sill/solvay waste
10	QL-0215 <u>-</u> 05/OL <u>-</u> 02Z3-08	<u> </u>	L	<u> </u>	L		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80036

Date: 10/10/2006

Weather: 57 degrees F, winds 5 mph

Northing: 1118777.25

Water Elev: 362.7 Ft

Easting: 925582.28 Mud Line: 321.6 Ft

Logging Company: Parsons Geologist: HILLARY SLETTEN

Drilling Company: Ocean Survey Inc

Attempts: 1 Depth Units: Ft

Surface Water Depth: 41.1 Ft

Penetration Depth: 20.0

Core Recovery Depth: 18.5

Depth Ft	Sample ID	PID	Mercury	USCS		Sample	
□ +	ID						
Г		(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
10	OL-0215-05/OL-0273-08	5.2		ML	Wet, soft, black, SILT, little to some clay, trace fine sand, low to moderate plasticity, petroleum-like odor.	Vibracore	
15 —	OL-0215-06/OL-0273-09	11.3		ML	Wet, soft, black SILT, some clay, trace fine sand, moderate plasticity, trace organics in bottom top, petroleum-like odor.	Vibracore	Silt
_	OL-0215-07/OL-0273-10	0.8		ML	0 to 17 inches is wet, soft, black to dark grayish-brown, SILT, some clay, moderate plasticity. Rest of core is wet to medium stiff, dark grayish-brown, CLAY and silt (CL).	Vibracore	
18.5		Null fiold to	adings indicate	o roadina	was not taken.		Clay/Silt

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80050

Date: 10/10/2006

Weather: 57 degrees F, winds 5 mph

Northing: 1119232.37

Easting: 924201.85

Surface Water Depth: 54.6 Ft

Mud Line: 308.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 17.0

Attempts: 1

Water Elev: 362.6 Ft

Depth Units: Ft

PID USCS Depth Sample Mercury Sample Soil Description Stratum (mg/m3) Ft Method ID (ppm) Code Wet, very soft, black, SILT, trace fine sand, petroleum-like odor. 0 0.4 ML OL-0215-09/OL-0273-04 Vibracore Wet, soft, black, SILT, trace fine sand, petroleum-like odor. OL-0215-10/OL-0273-05 1.7 ML Vibracore Wet, very soft, black to dark gray, SILT, little fine sand, petroleum-like ML OL-0215-11/OL-0282-01 17.1 Vibracore Silt 5 Wet, soft, black, SILT, trace clay, trace fine sand, petroleum-like odor. MLOL-0215-12/OL-0273-06 2.1 Vibracore L _ _ OL-0215-13

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80050

Date: 10/10/2006

Weather: 57 degrees F, winds 5 mph

Northing: 1119232.37

Surface Water Depth: 54.6 Ft

Drilling Company: Ocean Survey Inc

Water Elev: 362.6 Ft

Easting: 924201.85

Logging Company: Parsons

Attempts: 1 Depth Units: Ft

Mud Line: 308.0 Ft

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0 Core Recovery Depth: 17.0

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
10					0 to 15 inches is wet, soft, black, SILT, little to some clay, low to moderate plasticity. Rest of core is wet, soft to medium stiff, dark grayish-brown CLAY and SILT, moderate plasticity, trace shells.		Silt
	OL-0215-13	1.1		CL		Vibracore	
15 -	OL-0215-14/OL-0282-02	1.1		CL	Wet, soft to medium stiff, dark grayish-brown, CLAY and SILT, moderate plasticity, trace shells, sulfur odor (MARL).	Vibracore	Marl
17.0	OL-0215-15	0.8		CL	Wet, soft to medium stiff, dark grayish- brown, CLAY and SILT, moderate plasticity, trace shells, sulfur odor (MARL) was not taken.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80051

Date: 10/10/2006

Weather: 57 degrees F, winds 5 mph

Northing: 1119150.99

Drilling Company: Ocean Survey Inc

Water Elev: 362.6 Ft

Easting: 925420.10

Logging Company: Parsons

Attempts: 1

Mud Line: 314.4 Ft

Geologist: HILLARY SLETTEN

Depth Units: Ft

Surface Water Depth: 48.2 Ft

Penetration Depth: 20.0 Core Re

Core Recovery Depth: 19.0

Depth	Sample	PID	Mercury	USCS		Sample	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum
0	OL-0217-01	0.9		ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor. Wet, soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
-	OL-0217-02	0.7		ML	sand, petroleum-like odor.	Vibracore	
5 +	OL-0217-03	2.3		ML	Wet, soft, black, SILT, trace fine sand grading to wet, very soft, grayish-whit silt-like grains, trace fine sand, petroleum -like odor.	Vibracore	Silt
	OL-0217-04	2.2		ML	0 to 17 inches is wet, very soft, grayish-white to gray, SILT and silt-like grains, little fine sand, slight petroleum and mothball odor. Rest of core is wet soft dark gray to black, silt and silt-like grains, trace clay, trace fine sand, very small Solvay chunks from 19 to 22 inches, petroleum-like odor.	Vibracore	Silt/solvay waste
₁₀	OL=0217=05	1		<u> </u>			

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80051

Date: 10/10/2006

Weather: 57 degrees F, winds 5 mph

Northing: 1119150.99 Easting: 925420.10

Drilling Company: Ocean Survey Inc

Water Elev: 362.6 Ft

Mud Line: 314.4 Ft

Logging Company: Parsons Geologist: HILLARY SLETTEN Attempts: 1 Depth Units: Ft

Surface Water Depth: 48.2 Ft

Penetration Depth: 20.0

Core Recovery Depth: 19.0

				ı				
Depth	Sample	PID	Mercury	uscs		Sample	_	
Ft	ID	(ppm)	(mg/m3)	Code	Soil Description	Method	Stratum	
	OL-0217-05	0.9		ML	Wet, soft, black, SILT, little to some clay, trace fine sand, low to moderate plasticity, petroleum-like odor.	Vibracore	Silt	
15 —	OL-0217-06	0.8		ML	O to 11 inches is wet, soft, black, SILT, some clay, trace fine sand, low to moderate plasticity. Rest of core is wet, soft, dark grayish-brown, SILT and CLAY, moderate plasticity, trace shells.	Vibracore		
19.0	OL-0217-07	0.6		ML	Wet, medium stiff, dark grayish-brown, SILT and CLAY, moderate plasticity, trace shells.	Vibracore	Silt/Clay	
Null field readings indicate a reading was not taken.								