

MONITORING WELL ID: Typical Borehole Log



Project Location: 855 Centennial Road, Vancouver, BC

Project Name/No.: Blue Water 11543-04B

Drilling Contractor: Sonic Drilling

Client:

Drilling Equipment/Method: Sonic Core Drilling

Engineer/Geologist:

Well Location: In CP Rail Area adjacent to MW12-73(S)

Drill Date: February 12, 2013

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Depth (ft/m)	Symbol	Soil / Sediment Description	Sample Type	% Recovery	Sample Analyzed	Sample ID	Headspace (PID)					Elevation (m)	Well Construction	Remarks
							0	500	1000	1500	2000			
0		Ground Surface										5.02		
0		FILL												
1		Dark grey, fine to coarse sand and gravel FILL. Wet (surface water), dense, no plasticity and odours and staining were not observed.	██	100	N	MW12-73D (0.3)	■					4.02		Flush Cover
2			██	100	N	MW12-73D (0.7)	■							
3		FILL												
4		Reddish-brown, medium to coarse sand and cobbly gravel FILL. Moist, to wet @ 3.7 mbg, dense, no plasticity and odours and staining were not observed.												
5			██	100	N	MW12-73D (1.5)	■							
6		Any use which a third party makes of this document, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. CSAP/MOE/Keystone Environmental Ltd. are not responsible for any use or modification of this document. CSAP/MOE/Keystone Environmental Ltd. accept no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions taken based on this document.												
7			██	100	N	MW12-73D (2.2)	■							
8														
9														
10			██	100	N	MW12-73D (3.0)	■							
11														
12			██	100	N	MW12-73D (3.7)	■							
13												-8.48		
14		Silty SAND												
15		Brown, silty fine to medium SAND (Till) with trace to minor gravel. Wet, very dense, no plasticity, odours and staining were not observed.	██	100	N	MW12-73D (4.5)	■					-9.98		
16														
17		Silty SAND												
18		Grey, silty fine SAND with minor gravel (Till). Dry to damp, dense, stiff, no plasticity, odours and staining were not observed.	██	100	N	MW12-73D (5.2)	■							
19														
20		Wet @ 3.2 mbg	██	100	N	MW12-73D (6.1)	■							
21												-15.98		
22		SANDSTONE												
23		Grey, fine to medium grained SANDSTONE bedrock. Dry to damp, very dense, no plasticity, odours and staining were not observed.	██	100	N	MW12-73D (6.7)	■							
24		Wet zone from 11.3 to 11.6 mbg.												

Co-ordinates:
 Date of Water Level:
 Water Level (from TOC):
 Surveyed Water Elevation (m): 5.021

Well-Borehole Diameter: 17 cm
 Well Casing Diameter: 5 cm
 Well Casing Material: Schedule 40 PVC
 Well Screen Slot Size: 0.025 m

Depth of Well (TOC): 73D-8.0 m, 73DD=12.2
 Well Elevation (TOC): 5.021
 Well Elevation (Ground): 5.021
 Datum:

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Depth (ft/m)	Symbol	Soil / Sediment Description	Sample Type	% Recovery	Sample Analyzed	Sample ID	Headspace (PID)				Elevation (m)	Well Construction	Remarks
							0	500	1000	1500			
25	8	<div style="border: 1px solid red; padding: 5px; color: red;"> Any use which a third party makes of this document, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. CSAP/MOE/Keystone Environmental Ltd. are not responsible for any use or modification of this document. CSAP/MOE/Keystone Environmental Ltd. accept no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions taken based on this document. </div>	100	N	MW12-73D (7.5)	1.6							
26													
27													
28				100	N	MW12-73D (8.4)	0.9						
29													
30	9			100	N	MW12-73D (9.1)	1.9						
31													
32													
33	10												
34													
35				100	N	MW12-73D (10.7)	1.4						
36	11												
37													
38													
39	12		100	N	MW12-73D (11.9)	1.3							
40													
41													
42	13												
43													
44													
45		End of Hole	100	N	MW12-73D (13.7)	1.5				-39.98			
46	14												
47													
48													

Co-ordinates:	Well-Borehole Diameter: 17 cm	Depth of Well (TOC): 73D-8.0 m, 73DD=12.2
Date of Water Level:	Well Casing Diameter: 5 cm	Well Elevation (TOC): 5.021
Water Level (from TOC):	Well Casing Material: Schedule 40 PVC	Well Elevation (Ground): 5.021
Surveyed Water Elevation (m): 5.021	Well Screen Slot Size: 0.025 m	Datum: