

Log of Monitoring Well: MW13-3 (S&D)



Project Name/No: Oakridge DSI / 1411-002.02

Drilling Company: McCrae's (daylight) / Mud Bay Drilling

Client: Ivanhoe Cambridge

Drilling Method: Sonic

Date Drilled: 8 Feb 2013 (daylight), 12 Feb 2013 (drill)

Logged by: A. Brown / L. Kwong

Site Location: Oakridge Centre

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SUBSURFACE PROFILE				SAMPLE				Backfill details	
Depth	Symbol	Description	Depth/Elev (m)	Sample ID	Analysed Y,N	Sample Type	Vapour ppm		LEL %
0		Ground Surface	87.68						
0		Asphalt	0.00						
1		Asphalt							
2		SAND Sand (fine to coarse grained), Gravelly (90% fine, 10% coarse, sub-rounded); trace cobbles (sub-rounded), trace silt, brown, 'medium dense', well graded, dry, no o/s.		MW13-3-1			0		
3									
4									
5									
6		Trace gravel (fine grained), 'loose'.							
7									
8				MW13-3-2			0		
9									
10			84.63						
11		SAND Sand (fine to medium grained), some silt, some gravel (85% fine, 15% coarse), trace cobbles (sub-rounded), 'firm to stiff', blocky, reddish brown, dry, no o/s.	3.05						
12							260		
13				MW13-3-3					
14									
15		Colour change to dark grey.					200		
16				MW13-3-4					
17									
18			82.04						
19		Silty SAND Silty sand (fine to coarse grained), some gravel (70% fine, 30% coarse, sub-angular/sub-rounded), trace cobbles (sub-angular), brown with grey lenses, 'loose to medium dense', well graded, dry, no o/s.	5.64					14	
20									
21				MW13-3-5					
22			80.97						
23		SAND Sand (fine to medium grained), some silt, some gravel (85% fine, 15% coarse), trace cobbles (sub-rounded), 'firm to stiff', blocky, dark grey, dry, no o/s.	6.71						
24									
25									
26									
27									
28			79.14						
29			8.53	MW13-3-6			0		
30									

Well location: AEC 1	Well casing diameter: 0.051 m (both wells)	Depth of well (TOC): S:6.55m,D:20.12m
Depth to water level (TOC): S:dry, D:10.976m	Well casing material: Schedule 40 PVC (both wells)	Well Elevation (TOC): S:87.50m/D:87.52m
Date of water level: 3 Apr 2013	Well screen slot size: 0.25mm, #10 (both wells)	Ground Elevation: 87.677 m
Borehole diameter: 0.18m to 6.7m, 0.15m to 20.1m Well screen interval (bgs): S:4.42-6.55m, D:17.98-20.12m		

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Sheet: 2 of 3

SUBSURFACE PROFILE			SAMPLE					Backfill details		
Depth	Symbol	Description	Depth/Elev (m)	Sample ID	Analysed Y,N	Sample Type	Vapour		LEL	
							ppm		%	
31	10	SAND Sand (fine to medium grained), light brown, 'loose', homogeneous, dry, no o/s wet from 12.8m					0	0		
32										
33										
34										
35										
36						MW13-3-7		G	0	
37										
38										
39										
40										
41										
42									0	
43						MW13-3-8/-9		G		
44										
45										
46										
47					73.35 14.33				370	
48						MW13-3-10		G		
49										
50										
51										
52										
53										
54										
55							35			
56				MW13-3-11		G				
57										
58										
59							75			
60				MW13-3-12		G				

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Depth	Symbol	Description	Depth/Elev (m)	Sample ID	Analysed Y,N	Sample Type	Vapour		LEL
							ppm		%
61	19						0 250 500	0 50 100	
62									
63									
64									
65									
66	20	End of Log	67.56 20.12	MW13-3-13		G	10		
67									
68									
69	21								
70									
71									
72	22								
73									
74									
75	23								
76									
77									
78	24								
79									
80									
81	25								
82									
83									
84	26								
85									
86									
87	27								
88									
89									
90									

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