MONITORING WELL ID: MW16-01

Well Type: Groundwater Monitoring Well

Project Location: Watson Lake Airport - AEC 32, YT

Drilling Contractor: Omega Environmental Drilling Ltd.

Drilling Equipment/Method: Sonic **Well Location:** Tank Farm B, MW16-B



Project Name/No.:

Client: PWGSC Engineer/Geologist:

Well Construction Sample Analyzed Headspace (PID) Sample Type Soil / Sediment Description Sample ID Remarks ppm 1000 Recovery Depth (ft/m) 1500 2000 Symbol **Ground Surface** SAND Light brown, fine to medium SAND with some gravel and trace organics (roots). Loose, dry to moist, staining and odours not 0.6 observed. No organics below 0.1m. N 100 MW16-01 (0.5) SAND Brown, fine to medium SAND with some silt and trace gravel. Compact below 1.0m. 100 Υ MW16-01 (1.2) Moisture, staining and odours not observed. 0.6 SAND 100 Ν MW16-01 (2.4) Brown, fine to medium SAND with some silt and some to trace fine gravel. Compact, dense, dry, low to no plasticity, no odours 8.0 Vell Screen and Silica Sand N MW16-01 (3.0) 115 SAND Brown, fine to medium soft SAND. Loose, wet, low plasticity, no odours observed. 8.0 SAND MW16-01 (4.0) 115 Dark brown to brown mottled, fine to medium SAND with some silt and trace fine 115 N **DUP** A to medium gravel. Compact, dense, dry, staining and odours not observed. 2.1 115 N MW16-01 (5.0)

Date of Water Level: November 24, 2016 Water Level (from TOC): 5.33m

Well-Borehole Diameter: 150mm (6")
Well Casing Diameter: 50mm (2")

Well Casing Material: Schedule 40 PVC
Well Screen Slot Size: 10 Slot

Depth of Well (TOC): 5.61m

Bent

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Project Location: Watson Lake Airport - AEC 32, YT

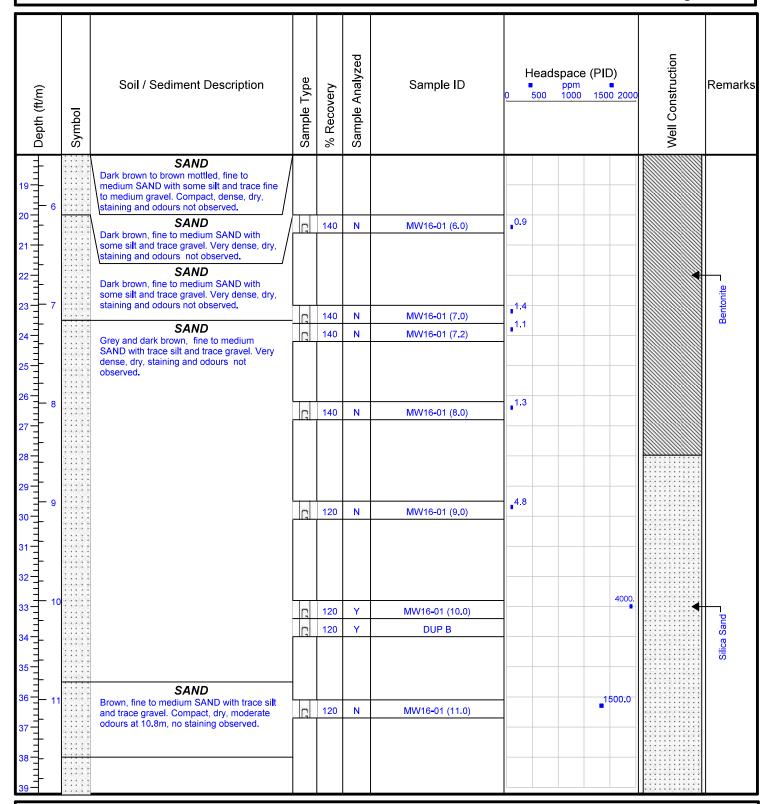
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Depth (ff/m)	()	Symbol	Soil / Sediment Description	Sample Type	% Recovery	Sample Analyzed	Sample ID	Headspace (PID) Pppm O 500 1000 1500 2000 Remai
H	0.0		SAND					570.0
1,, =	1	1111	Brown and grey, fine to medium SAND with	G	120	N	MW16-01 (12.0)	100000000000000000000000000000000000000
40 =	3		Brown and grey, fine to medium SAND with some silt and trace gravel. Dense, dry, moderate HC like odours at 11.5m, no					P
1,, ‡	- 📑		\staining observed.					Silica Sand
	- 1		Sandy SILT Dark grey, very fine sandy SILT with some fine to medium gravel. Very compact, very					
42	. 3		Dark grey, very fine sandy SILT with some fine to medium grayel. Very compact, very					· · · · · · · · · · · · · · · · · · ·
I − ∃	_ 10 =		dense, drv. low odours, no staining					
43	13		observed.	G		Υ	MW16-01 (13.0)	47.2
}	=			1171				
44	- 5							₩
1 7	-							Slough
45	- 5							v v v v v v v v v v v v v v v v v v v
1,6 =	- 14 =							11.1
46 —	=			G		N	MW16-01 (14.0)	
47	1							
ΙĪ	=							
48	- 3							14.6
1 🗄	-			G		Υ	MW16-01 (15.0)	14.6
49	- 15		End of Ho l e					
50	-							
ľ°∄	.		Slough encountered at 11.5m. Had significant odour. Interpreted as fall down from section					
51	_		at 10.2m.					
=			Disturbed, not representative.					
52	·		Disturbed, flot representative.					
 	- 16							
53	-							
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50	_ 10							
59 =	- 18							
60	-							
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