

FREE PRODUCT MOBILITY: INITIAL AND RESIDUAL SATURATIONS

PROJECT NAME: NAPL Mobility
PROJECT NO: 012345-099

METHODS:			API RP40	API RP40	API RP40	ASTM D425M, DEAN-STARK			
SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	BULK DENSITY, (g/cc)	GRAIN DENSITY, (g/cc)	TOTAL POROSITY, %Vb	PORE FLUID SATURATIONS, % Pv			
						Initial Fluid Saturations		After Centrifuge at 1000xG	
						WATER (Swi) SATURATION	NAPL (Soi) SATURATION	WATER (Srw) SATURATION	NAPL (Sor) SATURATION
MW-01	10.5	V	1.51	2.63	42.4	80.1	7.2	48.3	4.7
MW-01	15.2	V	1.39	2.62	47.0	76.4	5.2	42.3	4.4
MW-01	18.0	V	1.49	2.63	43.4	75.9	2.4	49.5	2.4
			NOTE: Trace NAPL was produced by sample MW-01 @ 18.0 after centrifuging at 1000xG .						
MW-02	16.0	V	1.60	2.60	38.4	86.0	ND<0.1	84.2	ND<0.1
			NOTE: No free NAPL was produced by sample MW-02 @ 16.0 after centrifuging at 1000xG .						
MW-04	15.0	V	1.65	2.62	37.1	81.3	ND<0.1	77.5	ND<0.1
			NOTE: No free NAPL was produced by sample MW-04 @ 15.0 after centrifuging at 1000xG .						

N/A = Not Analyzed. Vb = Bulk Volume, Pv = Pore Volume. (1) H = horizontal, V = vertical
 Soi = Initial NAPL Saturation as received prior to centrifuging at 1000xG, Swi = Initial Water Saturation as received prior to centrifuging at 1000xG
 Sor = Residual NAPL Saturation after centrifuging at 1000xG, Srw = Residual Water Saturation after centrifuging at 1000xG
 Water = 0.9989 g/cc, NAPL = 0.8000 g/cc.