fYNOP - Point Dilution Test Results

Determined from Borehole Dimensions | Determined from DI Water Slug Volume----------

KCF Groundwater Inc.

DRAFT RESULTS FOR DISCUSSION PURPOSES ONLY.

Borehole MW147A

Test #	Open-borehole test Interval, in feet BGS	Borehole diameter	Borehole Radius	Effective Test Interval Height (Voided	Test Interval X-Section	Test Interval Volume	Storage Volume of Injection Pipe	Volume of Tracer Slug Entering the Test Interval	Test Interval X-Section	Test Interval Volume	time to recovery	Background Specific Conductance	Initial Spec. Cond.	Final Spec. Cond.	Co	C	Borehole velocity using borehole diameter	Borehole velocity using slug volume	porosity (%)**	Adjustment Factor	Formation Velocity using borehole diameter	Formation Velocity using slug volume	DI slug volume	
		ft	ft	ft	ft**2	ft**3	ft**3	ft**3	ft**2	ft**3	minutes	umhos/cm	umhos/cm	umhos/cm	umhos/cm	umhos/cm	ft/min	ft/min	--	--	ft/min	ft/min	gals	ft**3
1	200 ft - 250 ft*	0.48958333	0.244791665	8	3.92	1.51	0.66	3.62	6.07	3.62	20.00	714.00	199	713.9	515.00	0.10	0.164319	0.254787	20.000000	1.000000	0.821595	1.273935	32	4.277732
																	Eq'n 9.27; after Freeze and Cherry, p.429				Eq'n 9.28; after Freeze and Cherry, p.430			

* void/cavern from 207 to 215 ft BGS; contains some clay-filling material (from Steve Fisher/GSC 9/26/12 email).

** roughly estimated based on partial void filling.

***adopted from Freeze and Cherry (1979); range is 0.5 to 4.