KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: MW-169D	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	24.4	ft
Depth to product		ft
Depth to water (DTW)	20.31	ft

Sample Types (circle all applicable)
Monitoring Well
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	21.4	ft
Bubbles purged from flow cell?	Y / N	
Is drawdown >0.3 feet	Y / N	
Was passive sampling used?	Y / N	
Flowrate =		mL/min
ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	15.06	14.98	14.95	14.96	14.97	14.98	14.97
Spec. Cond (µmhos)	+/- 3%	1,050	1,025	1,058	1,060	1,070	1,077	1,080
D.O. (mg/L)	+/- 10%**	1.55	1.03	2.81	2.30	.64	.65	.64
pH	+/- 0.1	7.05	7.54	8.47	8.97	9.40	9.39	9.40
ORP (mV)	+/- 10 mV**	32	2	-14	-25	-32	-37	-40
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/28/07 Sample Time: 13 : 10 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration:_____ After filtration:_____
Reaction upon addition of preservatives? YES NO explain:_____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: J. Julian Date: 11/28/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: MW-169 ~~B~~S	Well Location:

Monitoring Well Data	
Well Material	(PVC/SS/Teflon)
Inside Diameter, in.	(1 2 4 6)
Stick up or stick down height	ft
Total depth of well (TD)	36.75 ft
Depth to product	ft
Depth to water (DTW)	20.38 ft

Sample Types (circle all applicable)
Monitoring Well
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	33.75	ft
Bubbles purged from flow cell?	Y / N	
Is drawdown >0.3 feet	Y / N	
Was passive sampling used?	Y / N	
Flowrate =		mL/min
ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	15.52	15.52	15.54				
Spec. Cond (µmhos)	+/- 3%	1,047	1,045	1,045				
D.O. (mg/L)	+/- 10%**	1.53	1.37	1.30				
pH	+/- 0.1	8.82	8.95	9.01				
ORP (mV)	+/- 10 mV**	-33	-32	-30				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons 13.25
Sample Date: 11/28/07 Sample Time: 13 : 13 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration:_____ After filtration:_____
Reaction upon addition of preservatives? YES NO explain:_____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: J. Julio Date: 11/28/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: MW-167s	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	21.7	ft
Depth to product		ft
Depth to water (DTW)	18.81	ft

Sample Types (circle all applicable)
Monitoring Well
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	18.7	ft
Bubbles purged from flow cell?	Y / N	
Is drawdown >0.3 feet	Y / N	
Was passive sampling used?	Y / N	
Flowrate =		mL/min
ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	17.58	17.61	17.64				
Spec. Cond (µmhos)	+/- 3%	1.076	1.060	1.061				
D.O. (mg/L)	+/- 10%**	1.05	.96	.90				
pH	+/- 0.1	7.46	7.42	7.43				
ORP (mV)	+/- 10 mV**	10	13	13				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/28/07 Sample Time: 14 : 00 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration: _____ After filtration: _____
Reaction upon addition of preservatives? YES NO explain: _____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: J. Julie Date: 11/28/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: MW-167D	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	33	ft
Depth to product		ft
Depth to water (DTW)	18.89	ft

Sample Types (circle all applicable)
(Monitoring Well)
Grab/Composite
Split Sample
Duplicate (Duplicate ID: (DUP))
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	30	ft
Bubbles purged from flow cell?	Y / N	
Is drawdown >0.3 feet	Y / N	
Was passive sampling used?	Y / N	
Flowrate =		mL/min
ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	16.72	16.79	16.75				
Spec. Cond (µmhos)	+/- 3%	.791	.790	.791				
D.O. (mg/L)	+/- 10%**	.87	.80	.74				
pH	+/- 0.1	7.85	7.85	7.85				
ORP (mV)	+/- 10 mV**	-99	-99	-99				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/28/07 Sample Time: 13 : 45 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration:_____ After filtration:_____
Reaction upon addition of preservatives? YES NO explain:_____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: _____ Date: 11/28/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: MW-165S	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	19.65	ft
Depth to product		ft
Depth to water (DTW)	15.13	ft

Sample Types (circle all applicable)
(Monitoring Well)
(Grab/Composite)
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	16.65	ft
Bubbles purged from flow cell?	(Y) / N	
Is drawdown >0.3 feet	(Y) / N	
Was passive sampling used?	Y / (N)	
Flowrate =		mL/min
ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	18.85	18.88	18.90				
Spec. Cond (µmhos)	+/- 3%	.598	.594	.592				
D.O. (mg/L)	+/- 10%**	1.25	1.08	.99				
pH	+/- 0.1	9.40	9.47	9.51				
ORP (mV)	+/- 10 mV**	-76	-78	-79				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 1/28/07 Sample Time: 14:10 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration: _____ After filtration: _____
Reaction upon addition of preservatives? YES NO explain: _____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: Missing well plug

Signature: [signature] Date: 1/28/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: MW-165D	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	47.7	ft
Depth to product		ft
Depth to water (DTW)	14.9	ft

Sample Types (circle all applicable)
Monitoring Well
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	44.7	ft
Bubbles purged from flow cell?	Y / N	
Is drawdown >0.3 feet	Y / N	
Was passive sampling used?	Y / N	
Flowrate =		mL/min
ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	18.28	18.26	18.30				
Spec. Cond (µmhos)	+/- 3%	.1839	.1844	.1847				
D.O. (mg/L)	+/- 10%**	1.03	.91	.82				
pH	+/- 0.1	9.33	9.28	9.25				
ORP (mV)	+/- 10 mV**	-89	-90	-91				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/28/07 Sample Time: 14 : 20 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration: _____ After filtration: _____
Reaction upon addition of preservatives? YES NO explain: _____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: J. Jolie Date: 11/28/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: MW-166s	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	19.3	ft
Depth to product		ft
Depth to water (DTW)	14.25	ft

Sample Types (circle all applicable)
(Monitoring Well)
(Grab/Composite)
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling			⇐OR⇒	Micropurge sampling		
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	16.3	ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	(Y) / N	
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	(Y) / N	
3 Well volumes =	=	gal		Was passive sampling used?	Y / (N)	
Purge method (B = bailer, P = pump)	B / P			Flowrate =		mL/min
				ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	18.49	18.43	18.47	18.49			
Spec. Cond (µmhos)	+/- 3%	.723	.725	7.24	7.25			
D.O. (mg/L)	+/- 10%**	1.48	1.24	1.04	.97			
pH	+/- 0.1	7.49	7.49	7.50	~~5.97~~7.50			
ORP (mV)	+/- 10 mV**	0	1	1	1			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/28/07 Sample Time: 14 : 30 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration: _____ After filtration: _____
Reaction upon addition of preservatives? YES NO explain: _____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: _____ Date: 11/28/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: MW-166D	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	49.7	ft
Depth to product		ft
Depth to water (DTW)	14.05	ft

Sample Types (circle all applicable)
Monitoring Well
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	46.7	ft
Bubbles purged from flow cell?	Y / N	
Is drawdown >0.3 feet	Y / N	
Was passive sampling used?	Y / N	
Flowrate =		mL/min
ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	16.18	16.14	16.18	16.20			
Spec. Cond (µmhos)	+/- 3%	.746	.754	.758	.756			
D.O. (mg/L)	+/- 10%**	1.74	1.50	1.34	1.27			
pH	+/- 0.1	7.73	7.75	7.75	7.77			
ORP (mV)	+/- 10 mV**	-82	-85	-87	-88			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/28/07 Sample Time: 14 : 40 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration:_____ After filtration:_____
Reaction upon addition of preservatives? YES NO explain:_____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: _____ Date: 11/28/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: MW-166	Well Location:

Monitoring Well Data	
Well Material	(PVC/SS/Teflon)
Inside Diameter, in.	(1 2 4 6)
Stick up or stick down height	ft
Total depth of well (TD)	ft
Depth to product	ft
Depth to water (DTW)	ft

Sample Types (circle all applicable)
Monitoring Well
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)		ft
Bubbles purged from flow cell?	Y / N	
Is drawdown >0.3 feet	Y / N	
Was passive sampling used?	Y / N	
Flowrate =		mL/min
ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	15.67	15.68	15.68				
Spec. Cond (µmhos)	+/- 3%	1,437	1,437	1,436				
D.O. (mg/L)	+/- 10%**	4.50	4.50	4.51				
pH	+/- 0.1	8.20	8.22	8.21				
ORP (mV)	+/- 10 mV**	-22	-22	-21				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/28/07 Sample Time: 15 : 10 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration: _____ After filtration: _____
Reaction upon addition of preservatives? YES NO explain: _____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: [signature] Date: 11/28/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: MW-161	Well Location:

Monitoring Well Data

Well Material	(PVC/SS/Teflon)
Inside Diameter, in.	(1 2 4 6)
Stick up or stick down height	ft
Total depth of well (TD)	ft
Depth to product	ft
Depth to water (DTW)	ft

Sample Types (circle all applicable)

- Monitoring Well
- Grab/Composite
- Split Sample
- Duplicate (Duplicate ID: (Dup))
- MS/MSD
- Other_____

Conventional sampling ⇐OR⇒ **Micropurge sampling**

Conventional sampling		Micropurge sampling	
Height of water column (H = TD – DTW)	ft	Depth of pump placement (place mid-screen)	ft
Conversion value (CV)*	x	Bubbles purged from flow cell?	Y / N
1 Well volume = H x CV	= gal	Is drawdown >0.3 feet	Y / N
3 Well volumes =	= gal	Was passive sampling used?	Y / N
Purge method (B = bailer, P = pump)	B / P	Flowrate =	mL/min
		ID number from controller console	#165

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	15.08	15.10	15.12				
Spec. Cond (µmhos)	+/- 3%	.870	.869	.869				
D.O. (mg/L)	+/- 10%**	3.46	3.50	3.51				
pH	+/- 0.1	7.59	7.56	7.57				
ORP (mV)	+/- 10 mV**	-7	-8	-7				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 11/28/07 Sample Time: 15 : 40 (military time)

Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____

Color of water before filtration:_____ After filtration:_____

Reaction upon addition of preservatives? YES NO explain:_____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition:

Signature: [signature] Date: 11/28/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: MW-154	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1/2/4/6)	
Stick up or stick down height		ft
Total depth of well (TD)	20.6	ft
Depth to product		ft
Depth to water (DTW)	14.11	ft

Sample Types (circle all applicable)
Monitoring Well
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	17.6	ft
Bubbles purged from flow cell?	Y / N	
Is drawdown >0.3 feet	Y / N	
Was passive sampling used?	Y / N	
Flowrate =		mL/min
ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	17.20	17.24	17.26				
Spec. Cond (µmhos)	+/- 3%	1.87	1.88	1.89				
D.O. (mg/L)	+/- 10%**	1.77	1.85	1.60				
pH	+/- 0.1	7.52	7.52	7.52				
ORP (mV)	+/- 10 mV**	43	43	43				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/28/07 Sample Time: 16:00 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration:_____ After filtration:_____
Reaction upon addition of preservatives? YES NO explain:_____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: _____ Date: 11/28/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: 147-AR	Well Location:

Monitoring Well Data

Well Material	(PVC/SS/Teflon)
Inside Diameter, in.	(1 2 4 6)
Stick up or stick down height	ft
Total depth of well (TD)	29.45 ft
Depth to product	ft
Depth to water (DTW)	11.7 ft

Sample Types (circle all applicable)

- Monitoring Well
- Grab/Composite
- Split Sample
- Duplicate (Duplicate ID: _____)
- MS/MSD
- Other_____

Conventional sampling ⇐OR⇒ **Micropurge sampling**

Conventional sampling		Micropurge sampling	
Height of water column (H = TD – DTW)	ft	Depth of pump placement (place mid-screen)	26.45 ft
Conversion value (CV)*	x	Bubbles purged from flow cell?	Y/N
1 Well volume = H x CV	= gal	Is drawdown >0.3 feet	Y/N
3 Well volumes =	= gal	Was passive sampling used?	Y/N
Purge method (B = bailer, P = pump)	B / P	Flowrate =	mL/min
		ID number from controller console	#165

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	17.66	17.71	17.74				
Spec. Cond (µmhos)	+/- 3%	1.421	1.419	1.417				
D.O. (mg/L)	+/- 10%**	1.27	1.07	1.01				
pH	+/- 0.1	7.36	7.36	7.36				
ORP (mV)	+/- 10 mV**	-76	-77	-78				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/28/07 Sample Time: 16 : 10 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration:_____ After filtration:_____
Reaction upon addition of preservatives? YES NO explain:_____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: [signature] Date: 11/28/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: 132 - R	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	19.25	ft
Depth to product		ft
Depth to water (DTW)	11.73	ft

Sample Types (circle all applicable)
Monitoring Well
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	16.25	ft
Bubbles purged from flow cell?	Y / N	
Is drawdown >0.3 feet	Y / N	
Was passive sampling used?	Y / N	
Flowrate =		mL/min
ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	18.77	18.76	18.80				
Spec. Cond (µmhos)	+/- 3%	.892	.892	.892				
D.O. (mg/L)	+/- 10%**	4.50	4.48	4.39				
pH	+/- 0.1	7.70	7.68	7.68				
ORP (mV)	+/- 10 mV**	-20	-18	-16				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/28/07 Sample Time: 16:25 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration: _____ After filtration: _____
Reaction upon addition of preservatives? YES NO explain: _____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: _____ Date: 11/28/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: 148 R	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	26.4	ft
Depth to product		ft
Depth to water (DTW)	11.55	ft

Sample Types (circle all applicable)
Monitoring Well
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	23.4	ft
Bubbles purged from flow cell?	Y / N	
Is drawdown >0.3 feet	Y / N	
Was passive sampling used?	Y / N	
Flowrate =		mL/min
ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	15.42	15.46	15.55				
Spec. Cond (µmhos)	+/- 3%	1.401	1.315	1.357				
D.O. (mg/L)	+/- 10%**	1.02	1.00	.99				
pH	+/- 0.1	6.64	6.70	6.72				
ORP (mV)	+/- 10 mV**	10	11	12				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/29/07 Sample Time: 9 : 40 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration: _____ After filtration: _____
Reaction upon addition of preservatives? YES NO explain: _____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: _____ Date: 11/29/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: MW-302	Well Location:

Monitoring Well Data

Well Material	(PVC/SS/Teflon)
Inside Diameter, in.	(1 2 4 6)
Stick up or stick down height	ft
Total depth of well (TD)	55 ft
Depth to product	ft
Depth to water (DTW)	12.29 ft

Sample Types (circle all applicable)

- Monitoring Well
- Grab/Composite
- Split Sample
- Duplicate (Duplicate ID:)
- MS/MSD
- Other

Conventional sampling ⇐OR⇒ **Micropurge sampling**

Conventional sampling		Micropurge sampling	
Height of water column (H = TD – DTW)	ft	Depth of pump placement (place mid-screen)	52 ft
Conversion value (CV)*	x	Bubbles purged from flow cell?	Y/N
1 Well volume = H x CV	= gal	Is drawdown >0.3 feet	Y/N
3 Well volumes =	= gal	Was passive sampling used?	Y/N
Purge method (B = bailer, P = pump)	B / P	Flowrate =	mL/min
		ID number from controller console	#165

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	12.61	12.55	12.78				
Spec. Cond (µmhos)	+/- 3%	.566	.568	.564				
D.O. (mg/L)	+/- 10%**	2.78	2.55	2.40				
pH	+/- 0.1	7.62	7.62	7.63				
ORP (mV)	+/- 10 mV**	-104	-107	-110				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 11/29/07 Sample Time: 10 : 50 (military time)

Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES NO explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition:

Signature: _____ Date: 11/29/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: ~~MW-502~~ 153	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1/2/4/6)	
Stick up or stick down height		ft
Total depth of well (TD)	20.75	ft
Depth to product		ft
Depth to water (DTW)	13.31	ft

Sample Types (circle all applicable)
Monitoring Well
Grab/Composite
Split Sample
Duplicate (Duplicate ID: (Dup))
MS/MSD MS/MSD
Other

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	17.75	ft
Bubbles purged from flow cell?	(Y)/ N	
Is drawdown >0.3 feet	(Y)/ N	
Was passive sampling used?	Y /(N)	
Flowrate =		mL/min
ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	15.65	15.73	15.80	15.75			
Spec. Cond (µmhos)	+/- 3%	1.315	1.314	1.313	1.310			
D.O. (mg/L)	+/- 10%**	2.17	1.65	2.05	1.97			
pH	+/- 0.1	7.13	7.12	7.11	7.11			
ORP (mV)	+/- 10 mV**	90	90	89	89			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/29/07 Sample Time: 10 : 30 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration: _____ After filtration: _____
Reaction upon addition of preservatives? YES NO explain: _____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: _____ Date: 11/29/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: 133 R	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	16.10	ft
Depth to product		ft
Depth to water (DTW)	9.77	ft

Sample Types (circle all applicable)
(Monitoring Well)
(Grab/Composite)
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling			⇐OR⇒	Micropurge sampling		
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	13.10	ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	(Y)/N	
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	(Y)/N	
3 Well volumes =	=	gal		Was passive sampling used?	Y/(N)	
Purge method (B = bailer, P = pump)	B / P			Flowrate =		mL/min
				ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	19.60	19.64	19.60	19.63			
Spec. Cond (µmhos)	+/- 3%	1.090	1.089	1.091	1.091			
D.O. (mg/L)	+/- 10%**	1.21	.82	1.04	1.07			
pH	+/- 0.1	7.13	7.13	7.13	7.13			
ORP (mV)	+/- 10 mV**	91	90	89	89			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11 / 29 / 07 Sample Time: 13 : 00 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration: _____ After filtration: _____
Reaction upon addition of preservatives? YES NO explain: _____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: _____ Date: 11/29/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: 145	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	26	ft
Depth to product		ft
Depth to water (DTW)	8.95	ft

Sample Types (circle all applicable)
Monitoring Well
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	23	ft
Bubbles purged from flow cell?	Y / N	
Is drawdown >0.3 feet	Y / N	
Was passive sampling used?	Y / N	
Flowrate =		mL/min
ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	13.95	14.14	14.20	14.20			
Spec. Cond (µmhos)	+/- 3%	1.380	1.370	1.358	13.56			
D.O. (mg/L)	+/- 10%**	2.03	2.25	2.10	2.12			
pH	+/- 0.1	7.50	7.44	7.39	7.36			
ORP (mV)	+/- 10 mV**	-84	-84	-83	-82			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/29/07 Sample Time: 13 : 15 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration:_____ After filtration:_____
Reaction upon addition of preservatives? YES NO explain:_____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: _____ Date: 11/29/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: 152	Well Location:

Monitoring Well Data	
Well Material	(PVC/SS/Teflon)
Inside Diameter, in.	(1 2 4 6)
Stick up or stick down height	ft
Total depth of well (TD)	18.65 ft
Depth to product	ft
Depth to water (DTW)	14.01 ft

Sample Types (circle all applicable)
Monitoring Well
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	15.65 ft
Bubbles purged from flow cell?	Y/N
Is drawdown >0.3 feet	Y/N
Was passive sampling used?	Y/N
Flowrate =	mL/min
ID number from controller console	#165

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	17.89	17.89	17.89	17.99			
Spec. Cond (µmhos)	+/- 3%	1503	1502	1503	1502			
D.O. (mg/L)	+/- 10%**	3.23	1.40	2.15	2.10			
pH	+/- 0.1	7.95	7.88	7.79	7.81			
ORP (mV)	+/- 10 mV**	0	2	4	4			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11 / 29 / 07 Sample Time: 13 : 35 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration: _____ After filtration: _____
Reaction upon addition of preservatives? YES NO explain: _____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: [signature] Date: 11/29/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: 146	Well Location:

Monitoring Well Data	
Well Material	(PVC/SS/Teflon)
Inside Diameter, in.	(1 2 4 6)
Stick up or stick down height	ft
Total depth of well (TD)	23.50 ft
Depth to product	ft
Depth to water (DTW)	9.81 ft

Sample Types (circle all applicable)
Monitoring Well
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		⇐OR⇒	Micropurge sampling	
Height of water column (H = TD – DTW)	ft		Depth of pump placement (place mid-screen)	20.50 ft
Conversion value (CV)*	x		Bubbles purged from flow cell?	Y / N
1 Well volume = H x CV	= gal		Is drawdown >0.3 feet	Y / N
3 Well volumes =	= gal		Was passive sampling used?	Y / N
Purge method (B = bailer, P = pump)	B / P		Flowrate =	mL/min
			ID number from controller console	#165

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	13.99	14.16	14.19	14.20			
Spec. Cond (µmhos)	+/- 3%	.919	.913	.911	.908			
D.O. (mg/L)	+/- 10%**	1.52	1.71	1.47	1.50			
pH	+/- 0.1	7.00	6.98	6.97	6.97			
ORP (mV)	+/- 10 mV**	62	61	61	61			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/29/07 Sample Time: 14:00 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration: _____ After filtration: _____
Reaction upon addition of preservatives? YES NO explain: _____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: _____ Date: 11/29/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: 10-1R	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	15.57	ft
Depth to product		ft
Depth to water (DTW)	15.1	ft

Sample Types (circle all applicable)

- Monitoring Well
- Grab/Composite
- Split Sample
- Duplicate (Duplicate ID: (Dup))
- MS/MSD
- Other _____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	15.57	ft
Bubbles purged from flow cell?	Y / N	
Is drawdown >0.3 feet	Y / N	
Was passive sampling used?	Y / N	
Flowrate =		mL/min
ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	16.33	16.34	16.29	16.36	16.42		
Spec. Cond (µmhos)	+/- 3%	1802	1801	1800	1800	1800		
D.O. (mg/L)	+/- 10%**	3.32	2.77	2.72	2.41	2.35		
pH	+/- 0.1	7.26	7.24	7.21	7.19	7.15		
ORP (mV)	+/- 10 mV**	83	82	81	81	80		
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/29/07 Sample Time: 14 : 20 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration: _____ After filtration: _____
Reaction upon addition of preservatives? YES NO explain: _____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: [signature] Date: 11/29/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: 135	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1/2/4/6)	
Stick up or stick down height		ft
Total depth of well (TD)	18.9	ft
Depth to product		ft
Depth to water (DTW)	14.17	ft

Sample Types (circle all applicable)
Monitoring Well
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	15.9	ft
Bubbles purged from flow cell?	Y/N	
Is drawdown >0.3 feet	Y/N	
Was passive sampling used?	Y/N	
Flowrate =		mL/min
ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	16.94	17.00	17.06	17.15	17.17	17.18	
Spec. Cond (µmhos)	+/- 3%	.748	.747	.747	.746	.745	.744	
D.O. (mg/L)	+/- 10%**	4.27	3.59	4.06	4.41	4.42	4.47	
pH	+/- 0.1	7.32	7.31	7.30	7.30	7.30	7.30	
ORP (mV)	+/- 10 mV**	99	98	97	96	96	95	
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/29/07 Sample Time: 14:40 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration:_____ After filtration:_____
Reaction upon addition of preservatives? YES NO explain:_____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: [signature] Date: 11/29/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: 150	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	18.5	ft
Depth to product		ft
Depth to water (DTW)	13.78	ft

Sample Types (circle all applicable)
Monitoring Well
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling			⇐OR⇒	Micropurge sampling		
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	15.5	ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	Y / N	
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	Y / N	
3 Well volumes =	=	gal		Was passive sampling used?	Y / N	
Purge method (B = bailer, P = pump)	B / P			Flowrate =		mL/min
				ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	17.83	17.85	17.83				
Spec. Cond (µmhos)	+/- 3%	.906	.902	.904				
D.O. (mg/L)	+/- 10%**	.50	.67	.60				
pH	+/- 0.1	7.57	7.59	7.61				
ORP (mV)	+/- 10 mV**	88	87	86				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/29/07 Sample Time: 15 : 00 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration: _____ After filtration: _____
Reaction upon addition of preservatives? YES NO explain: _____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: _____ Date: 11/29/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: IW-1	Well Location:

Monitoring Well Data

Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	15	ft
Depth to product		ft
Depth to water (DTW)	12.53	ft

Sample Types (circle all applicable)

- (Monitoring Well)
- (Grab/Composite)
- Split Sample
- Duplicate (Duplicate ID: _____)
- MS/MSD
- Other_____

(Conventional sampling) ⇐OR⇒ **Micropurge sampling**

Conventional sampling			Micropurge sampling		
Height of water column (H = TD – DTW)		ft	Depth of pump placement (place mid-screen)	12	ft
Conversion value (CV)*	x		Bubbles purged from flow cell?	(Y)/N	
1 Well volume = H x CV	=	gal	Is drawdown >0.3 feet	(Y)/N	
3 Well volumes =	=	gal	Was passive sampling used?	Y/(N)	
Purge method (B = bailer, P = pump)	B / P		Flowrate =		mL/min
			ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	12.88	17.37	17.64	17.64	17.51		
Spec. Cond (µmhos)	+/- 3%	1.037	1.372	1.183	1.145	1.139		
D.O. (mg/L)	+/- 10%**	1.42	1.12	1.42	1.39	1.37		
pH	+/- 0.1	7.55	7.19	7.19	7.22	7.23		
ORP (mV)	+/- 10 mV**	-79	-82	-83	-85	-86		
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/30/07 Sample Time: 9 : 35 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration:_____ After filtration:_____
Reaction upon addition of preservatives? YES NO explain:_____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: [signature] Date: 11/30/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: IW-2	Well Location:

Monitoring Well Data

Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1/2/4/6)	
Stick up or stick down height		ft
Total depth of well (TD)	17	ft
Depth to product		ft
Depth to water (DTW)	13.59	ft

Sample Types (circle all applicable)

- Monitoring Well
- Grab/Composite
- Split Sample
- Duplicate (Duplicate ID: _____)
- MS/MSD
- Other_____

Conventional sampling ⇐OR⇒ **Micropurge sampling**

Conventional sampling			Micropurge sampling		
Height of water column (H = TD – DTW)		ft	Depth of pump placement (place mid-screen)	14	ft
Conversion value (CV)*	x		Bubbles purged from flow cell?	Y / N	
1 Well volume = H x CV	=	gal	Is drawdown >0.3 feet	Y / N	
3 Well volumes =	=	gal	Was passive sampling used?	Y / N	
Purge method (B = bailer, P = pump)	B / P		Flowrate =		mL/min
			ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	17.31	17.48	17.50				
Spec. Cond (µmhos)	+/- 3%	.772	.774	.774				
D.O. (mg/L)	+/- 10%**	3.20	2.85	2.70				
pH	+/- 0.1	8.37	8.38	8.36				
ORP (mV)	+/- 10 mV**	308	306	304				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11 / 30 / 07 Sample Time: 9 : 20 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration:_____ After filtration:_____
Reaction upon addition of preservatives? YES NO explain:_____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: [signature] Date: 11/30/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: 163	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1/2/4/6)	
Stick up or stick down height		ft
Total depth of well (TD)	20	ft
Depth to product		ft
Depth to water (DTW)	12.65	ft

Sample Types (circle all applicable)
Monitoring Well
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	17	ft
Bubbles purged from flow cell?	Y / N	
Is drawdown >0.3 feet	Y / N	
Was passive sampling used?	Y / N	
Flowrate =		mL/min
ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	16.65	16.69	16.70	16.68			
Spec. Cond (µmhos)	+/- 3%	.842	.845	.844	.847			
D.O. (mg/L)	+/- 10%**	1.26	1.38	1.23	1.20			
pH	+/- 0.1	7.43	7.44	7.45	7.44			
ORP (mV)	+/- 10 mV**	-49	-52	-55	-56			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/30/07 Sample Time: 10 : 00 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration:_____ After filtration:_____
Reaction upon addition of preservatives? YES NO explain:_____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: [signature] Date: 11/30/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: 173	Well Location:

Monitoring Well Data

Well Material	(PVC/SS/Teflon)
Inside Diameter, in.	(1/2/4/6)
Stick up or stick down height	ft
Total depth of well (TD)	17.75 ft
Depth to product	ft
Depth to water (DTW)	14.02 ft

Sample Types (circle all applicable)

- Monitoring Well
- Grab/Composite
- Split Sample
- Duplicate (Duplicate ID: _____)
- MS/MSD
- Other_____

Conventional sampling ⇐OR⇒ **Micropurge sampling**

Conventional sampling		Micropurge sampling	
Height of water column (H = TD – DTW)	ft	Depth of pump placement (place mid-screen)	14.75 ft
Conversion value (CV)*	x	Bubbles purged from flow cell?	Y / N
1 Well volume = H x CV	= gal	Is drawdown >0.3 feet	Y / N
3 Well volumes =	= gal	Was passive sampling used?	Y / N
Purge method (B = bailer, P = pump)	B / P	Flowrate =	mL/min
		ID number from controller console	#165

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	17.25	17.28	17.22				
Spec. Cond (µmhos)	+/- 3%	.1685	.1689	.1693				
D.O. (mg/L)	+/- 10%**	1.93	1.86	1.88				
pH	+/- 0.1	7.58	7.57	7.56				
ORP (mV)	+/- 10 mV**	-12	-10	-9				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:

Volume of water purged from well: _____ gallons

Sample Date: 11/30/07 Sample Time: 10:20 (military time)

Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____

Color of water before filtration: _____ After filtration: _____

Reaction upon addition of preservatives? YES NO explain: _____

Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)

Well condition:

Signature: _____ Date: 11/30/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: 156	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	18.7	ft
Depth to product		ft
Depth to water (DTW)	12.7	ft

Sample Types (circle all applicable)
(Monitoring Well)
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	15.7	ft
Bubbles purged from flow cell?	(Y) / N	
Is drawdown >0.3 feet	(Y) / N	
Was passive sampling used?	Y / (N)	
Flowrate =		mL/min
ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	16.28	16.34	16.35				
Spec. Cond (µmhos)	+/- 3%	.817	.818	.818				
D.O. (mg/L)	+/- 10%**	2.25	2.21	2.16				
pH	+/- 0.1	7.65	7.68	7.71				
ORP (mV)	+/- 10 mV**	26	26	27				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11 / 30 / 07 Sample Time: 10 : 35 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration:_____ After filtration:_____
Reaction upon addition of preservatives? YES NO explain:_____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature:_____ Date: 11/30/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: 151	Well Location:

Monitoring Well Data	
Well Material	(PVC/SS/Teflon)
Inside Diameter, in.	(1 2 4 6)
Stick up or stick down height	ft
Total depth of well (TD)	19 ft
Depth to product	ft
Depth to water (DTW)	14.4 ft

Sample Types (circle all applicable)
Monitoring Well
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	16	ft
Bubbles purged from flow cell?	Y / N	
Is drawdown >0.3 feet	Y / N	
Was passive sampling used?	Y / N	
Flowrate =		mL/min
ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	14.90	14.89	14.88				
Spec. Cond (µmhos)	+/- 3%	.915	.915	.916				
D.O. (mg/L)	+/- 10%**	1.41	1.48	1.30				
pH	+/- 0.1	7.34	7.35	7.34				
ORP (mV)	+/- 10 mV**	45	45	44				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/30/07 Sample Time: 10:50 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration: _____ After filtration: _____
Reaction upon addition of preservatives? YES NO explain: _____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: _____ Date: 11/30/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: 157	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	19	ft
Depth to product		ft
Depth to water (DTW)	12.81	ft

Sample Types (circle all applicable)
Monitoring Well
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	16	ft
Bubbles purged from flow cell?	Y / N	
Is drawdown >0.3 feet	Y / N	
Was passive sampling used?	Y / N	
Flowrate =		mL/min
ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	14.44	14.43	14.45	14.48			
Spec. Cond (µmhos)	+/- 3%	.713	.714	.715	.717			
D.O. (mg/L)	+/- 10%**	2.70	2.59	2.44	2.45			
pH	+/- 0.1	7.47	7.47	7.46	7.46			
ORP (mV)	+/- 10 mV**	50	51	52	52			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11/30/07 Sample Time: 11 : 10 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration: _____ After filtration: _____
Reaction upon addition of preservatives? YES NO explain: _____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: _____ Date: 11/30/07

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP-Former Allison Plant 10	KEI Project #: 2829E-001/003
Sample I.D.: 164	Well Location:

Monitoring Well Data	
Well Material	(PVC/SS/Teflon)
Inside Diameter, in.	(1/2/4/6)
Stick up or stick down height	ft
Total depth of well (TD)	25 ft
Depth to product	ft
Depth to water (DTW)	20.02 ft

Sample Types (circle all applicable)
(Monitoring Well)
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	22	ft
Bubbles purged from flow cell?	(Y)/ N	
Is drawdown >0.3 feet	(Y)/ N	
Was passive sampling used?	Y (N)	
Flowrate =		mL/min
ID number from controller console	#165	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	15.36	15.45	15.50	15.60	15.59		
Spec. Cond (µmhos)	+/- 3%	.970	.968	.967	.966	.966		
D.O. (mg/L)	+/- 10%**	.15	.161	.132	.133	.134		
pH	+/- 0.1	7.50	7.50	7.45	7.45	7.45		
ORP (mV)	+/- 10 mV**	65	65	64	63	63		
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 11 / 30 / 07 Sample Time: 11 : 30 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration: _____ After filtration: _____
Reaction upon addition of preservatives? YES NO explain: _____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition:

Signature: _____ Date: 11/30/07