Part 4 of 6: Appendix S of Resource Report No. 2

Table 5
Summary of Analytical Results - All Wells
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																					
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	PQW-1							TPW-1				TPW-1 (Duplicate)				TPW-2				TPW-5			
				16:30		6/7/2016 13:30		6/7/2016 13:35		09/12/2016 15:10		04/23/2016 14:25		09/12/2016 11:57		4/23/2016 14:25		09/12/2016 11:57		4/23/2016 17:45		09/12/2016 10:05		08/11/2016 14:05		09/12/2016 16:49	
				Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
200.8 Metal, Dissolved	Aluminum, Dissolved	--	--	J	--	--	--	--	**0.00176**	J	**0.00311**	=	**0.000769**	J	--	--	**0.000704**	J	**0.00231**	=	**0.00188**	J	**0.00484**	J,B	--	--
	Antimony, Dissolved	--	--	ND	--	--	--	--	[0.000025]	ND	**0.0000222**	J	**0.0000209**	J	--	--	**0.0000294**	J	[0.000025]	ND	[0.000025]	ND	**0.0000516**	=	--	--
	Arsenic, Dissolved	0.01	--	ND	--	--	--	--	**0.00104**	=	[0.0004]	ND	[0.0004]	ND	--	--	[0.0004]	ND	**0.0156**	=	**0.0159**	=	**0.000418**	J	--	--
	Barium, Dissolved	--	--	=	--	--	--	--	**0.0431**	=	**0.000568**	=	**0.000424**	=	--	--	**0.000366**	=	**0.0104**	=	**0.012**	=	**0.00282**	=	--	--
	Beryllium, Dissolved	--	--	ND	--	--	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--
	Bismuth, Dissolved	--	--	ND	--	--	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--
	Boron, Dissolved	--	--	=	--	--	--	--	**0.00649**	=	**0.0335**	=	**0.0299**	=	--	--	**0.03**	=	**0.0246**	=	**0.0225**	=	**0.0063**	J,B	--	--
	Cadmium, Dissolved [5]	0.06	--	ND	--	--	--	--	[0.000025]	ND	**0.0000333**	J	[0.000025]	ND	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**0.000892**	=	--	--
	Calcium, Dissolved	--	--	=	--	--	--	--	**18.4**	=	**6.61**	=	**6.34**	=	--	--	**6.12**	=	**17.9**	=	**18.8**	=	**8.33**	=	--	--
	Chromium, Dissolved	0.011	--	ND	--	--	--	--	[0.00025]	ND	**0.000534**	=	[0.00025]	ND	--	--	[0.00025]	ND	**0.000185**	J	[0.00025]	ND	[0.00025]	ND	--	--
	Cobalt, Dissolved	--	--	=	--	--	--	--	**0.0000454**	=	**0.0000922**	=	**0.0000269**	=	--	--	**0.0000265**	=	**0.0000284**	=	**0.0000316**	=	**0.000228**	=	--	--
	Copper, Dissolved [5]	0.00161	--	ND	--	--	--	--	**0.000267**	J	**0.000653**	=	[0.00025]	ND	--	--	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	**0.000331**	J	--	--
	Iron, Dissolved	--	--	=	--	--	--	--	**10.6**	=	**0.652**	=	**0.106**	=	--	--	**0.0936**	=	**0.0624**	=	**0.0569**	=	**3.88**	=	--	--
	Lead, Dissolved [5]	0.00027	--	=	--	--	--	--	**0.0000328**	J	**0.000623**	=	**0.000049**	J	--	--	**0.0000385**	J	**0.0000688**	J	[0.00005]	ND	**0.00278**	=	--	--
	Magnesium, Dissolved	--	--	=	--	--	--	--	**4.63**	=	**3.18**	=	**2.66**	=	--	--	**2.53**	=	**6.05**	=	**6.4**	=	**3.61**	=	--	--
	Manganese, Dissolved	--	--	=	--	--	--	--	**0.633**	=	**0.08**	=	**0.0611**	=	--	--	**0.0598**	=	**0.0858**	=	**0.0968**	=	**0.112**	=	--	--
	Molybdenum, Dissolved	--	--	=	--	--	--	--	**0.000189**	=	**0.000525**	=	**0.000702**	=	--	--	**0.000656**	=	**0.000488**	=	**0.000424**	=	**0.0000733**	=	--	--
	Nickel, Dissolved [5]	0.0095	--	=	--	--	--	--	**0.000438**	J	**0.00062**	=	**0.000193**	J	--	--	**0.000179**	J	**0.000328**	J	**0.00054**	J	**0.000579**	J,B	--	--
	Potassium, Dissolved	--	--	=	--	--	--	--	**2.5**	=	**6.38**	=	**6.44**	=	--	--	**6.3**	=	**4.82**	=	**4.74**	=	**3.18**	=	--	--
	Selenium, Dissolved	--	--	ND	--	--	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	--	--
	Silicon, Dissolved	--	--	=, QH	--	--	--	--	**10.6**	=	**1.54**	=, QH	**1.1**	=	--	--	**1.02**	=	**14.5**	=, QH	**14.9**	=	**0.826**	=	--	--
	Silver, Dissolved [5]	0.00011	--	ND	--	--	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	--	--
	Sodium, Dissolved	--	--	=	--	--	--	--	**8.74**	=	**9.74**	=	**8.99**	=	--	--	**8.59**	=	**7.62**	=	**7.01**	=	**4.59**	=	--	--
	Thallium, Dissolved	--	--	ND	--	--	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	--	--
	Tin, Dissolved	--	--	ND	--	--	--	--	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	--	--	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	--	--
	Vanadium, Dissolved	--	--	ND	--	--	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	**0.000322**	J	[0.0005]	ND	[0.0005]	ND	--	--
	Zinc, Dissolved [5]	0.02134	--	=	--	--	--	--	**0.00855**	=	**0.142**	=	**0.0383**	=	--	--	**0.037**	=	**0.000452**	J	**0.00168**	J	**0.483**	=	--	--
200.8 Metal, Total	Aluminum, Total	0.087	--	=	--	--	--	--	**0.426**	=	**0.0294**	=	**0.02**	=, MN	--	--	**0.00967**	=, MN	**0.00193**	J	**0.00189**	J	**0.0537**	=	--	--
	Antimony, Total	0.006	0.006	ND	--	--	--	--	**0.000128**	=	**0.000058**	=	**0.000254**	=, MN	--	--	**0.000166**	=, MN	[0.000025]	ND	[0.000025]	ND	**0.000392**	=	--	--
	Arsenic, Total	0.01	0.01	J	--	--	--	--	**0.00596**	=	[0.0004]	ND	**0.000302**	J	--	--	[0.0004]	ND	**0.0143**	=	**0.0149**	=	**0.000795**	J	[0.0004]	ND
	Barium, Total	2	2	=	--	--	--	--	**0.0485**	=	**0.00169**	=	**0.00126**	=	--	--	**0.000931**	=	**0.00985**	=	**0.0111**	=	**0.00369**	=	--	--
	Beryllium, Total	0.004	0.004	ND	--	--	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--
	Bismuth, Total	--	--	ND	--	--	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--
	Boron, Total	0.75	--	J	--	--	--	--	**0.00647**	=	**0.0333**	=	**0.0318**	=	--	--	**0.0313**	=	**0.0231**	=	**0.0203**	=	**0.00622**	B	--	--
	Cadmium, Total	0.01	0.005	ND	--	--	--	--	**0.000275**	=	**0.000186**	=	**0.000284**	=	--	--	**0.000212**	=	[0.000025]	ND	[0.000025]	ND	**0.00818**	=	--	--
	Calcium, Total	--	--	=	--	--	--	--	**18.5**	=	**7.23**	=	**6.95**	=	--	--	**6.71**	=	**16.7**	=	**17.5**	=	**8.57**	=	--	--
	Chromium, Total	0.011	0.1	J	--	--	--	--	**0.00193**	=	**0.00176**	=	**0.000241**	J	--	--	[0.00025]	ND	**0.000254**	J	[0.00025]	ND	**0.000945**	=	--	--
	Cobalt, Total	0.05	--	=	--	--	--	--	**0.000649**	=	**0.000347**	=	**0.000177**	=, MN	--	--	**0.000118**	=, MN	**0.0000264**	=	**0.000028**	=	**0.00181**	=	--	--
	Copper, Total	0.0031	1	=	--	--	--	--	**0.0247**	=	**0.00766**	=	**0.00657**	=, MN	--	--	**0.00372**	=, MN	**0.000217**	J	**0.00021**	J	**0.00249**	=	--	--
	Iron, Total	1	--	=	--	--	--	--	**30.5**	=	**5.98**	=	**6.26**	=, MN	--	--	**3.71**	=, MN	**0.0613**	=	**0.0588**	=	**39.9**	=	--	--
	Lead, Total	0.0081	0.015	=	--	--	--	--	**0.0105**	=	**0.0065**	=	**0.00818**	=	--	--	**0.00657**	=	[0.00005]	ND	[0.00005]	ND	**0.0265**	=	--	--
	Magnesium, Total	--	--	=	--	--	--	--	**4.96**	=	**3.38**	=	**2.78**	=	--	--	**2.69**	=	**5.77**	=	**5.55**	=	**3.61**	=	--	--
	Manganese, Total	0.05	--	=	--	--	--	--	**0.751**	=	**0.147**	=	**0.109**	=	--	--	**0.092**	=	**0.0797**	=	**0.088**	=	**0.404**	=	--	--
	Molybdenum, Total	0.01	--	=	--	--	--	--	**0.000299**	=	**0.00033**	=	**0.000498**	=	--	--	**0.000449**	=	**0.000436**	=	**0.000378**	=	**0.0000931**	=	--	--
	Nickel, Total	0.0082	0.1	=	--	--	--	--	**0.00323**	=	**0.0024**	=	**0.000771**	=, MN	--	--	**0.000561**	=, MN	**0.000297**	J	**0.000354**	J	**0.00317**	=	--	--
	Potassium, Total	--	--	=	--	--	--	--	**2.54**	=	**7.41**	=	**7.09**	=	--	--	**6.95**	=	**4.58**	=	**4.32**	=	**3.28**	=	--	--
	Selenium, Total	0.005	0.05	ND	--	--	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	--	--
	Silver, Total	0.0019	0.1	ND	--	--	--	--	**0.0000676**	=	[0.00001]	ND	[0.00001]	ND	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	--	--
	Sodium, Total	--	--	=	--	--	--	--	**9.01**	=	**9.93**	=	**9.28**	=	--	--	**9.06**	=	**7.07**	=	**6.1**	=	**4.53**	=	--	--
	Thallium, Total	0.0017	0.002	ND	--	--	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	--	--
	Tin, Total	--	--	ND	--	--	--	--	**0.000328**	=	**0.0000699**	J	[0.0001]	ND	--	--	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	**0.0000775**	J	--	--
	Vanadium, Total	0.1	0.26	ND	--	--	--	--	**0.00123**	=	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	--	--
	Zinc, Total	0.081	5	=	--	--	--	--	**3.19**	=	**0.95**	=	**0.775**	=	--	--	**0.621**	=	[0.00155]	ND	**0.00113**	J	**5.25**	=	--	--
EPA 1631 E, Dissolved	Mercury, Dissolved	0.00077	--	J	--	--	--	--	[0.0000005]	ND	**0.000000517**	J	[0.0000005]	ND	--	--	[0.0000005]	ND	[0.0000005]	ND	**0.000000577**	J, B	**0.000000924**	J	--	--
EPA 1631 E, Total	Mercury, Total	0.00005	0.002	J	--	--	--	--	**0.00000153**	=, B	**0.000000646**	J	**0.000000648**	J, B	--	--	**0.000000669**	J, B	[0.0000005]	ND	**0.000000636**	J, B	**0.00000111**	=	--	--
AK101	Gasoline Range Organics	2.2	2.2	=	[0.05]	ND	[0.05]	ND	**0.0359**	J	[0.05]	ND	[0.05]	ND	--	--	[0.05]	ND	[0.05]	ND	[0.05]	ND	[0.05]	ND	--	--
AK102	Diesel Range Organics	1.5	1.5	ND	[0.294]	ND	[0.283]	ND	**0.21**	J	[0.283]	ND	**0.234**	J	--	--	**0.253**	J	[0.3]	ND	**0.228**	J	**0.421**	J	--	--
AK103	Residual Range Organics	1.1	1.1	J	**0.161**	J	[0.236]	ND	[0.232]	ND	**0.869**	=	[0.24]	ND	--	--	[0.245]	ND	**0.221**	J	[0.24]	ND	**0.326**	J, B	--	--
EPA 300.0	Chloride	230	--	=	--	--	--	--	**17.6**	=	**4.2**	=	**4.71**	=	--	--	**4.72**	=	**11.4**	=	**13.6**	=	**4.24**	=	--	--
	Fluoride	1	--	J	--	--	--	--	**0.094**	J	**0.078**	J	**0.134**	J	--	--	**0.129**	J	**0.097**	J	**0.145**	J	**0.094**	J	--	--
	Nitrate-N	--	--	--	--	--	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND	[0.1]	ND	--	--
	Nitrite-N	--	--	--	--	--	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND	[0.1]	ND	--	--
	Sulfate	250	--	ND	--	--	--	--	**1.11**	=	**0.576**	=	**0.558**	=	--	--	**0.562**	=	**1.75**	=	**2.44**	=	**0.128**	J	--	--
EPA 410.4	Chemical Oxygen Demand	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**26.3**	=	--	--
SM21 2130B	Turbidity (NTU)	See Note 6	--	=	--	--	--	--	**90**	=	**14**	=	**18**	=, MN	--	--	**13**	=, MN	**0.4**	=, B	**0.7**	=	**75**	=	--	--
SM21 2320B	Alkalinity	<20000	--	=	--	--	--	--	**68.7**	=	**47**	=	**50.2**	=	--	--	**50.1**	=	**63.6**	=	**75.9**	=	**36.3**	=	--	--
SM21 2340B	Hardness as CaCO3	--	--	=	--	--	--	--	**64.9**	=	[1]	=	**26.8**	=	--	--	**25.7**	=	**69.7**	=	**73.2**	=	**35.7**	=	--	--
SM21 2540B	Total Solids	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**114**	QN	--	--
SM21 2540C	Total Dissolved Solids	500	--	=	--	--	--	--	**128**	=	**66**	=	**64**	=	--	--	**65**	=	**121**	=	**140**	=	**30**	=	--	--
SM21 2540D	Total Suspended Solids	--	--	=	--	--	--	--	**59**	=	**8.1**	=	**9.6**	=, MN	--	--	**19.2**	=, MN	[0.498]	ND	**0.7**	J	**75**	=	--	--
SM21 4500-NH3 G	Ammonia-N	See Note 7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.0671**	J	--	--
SM21 4500-N D	Total Kjeldahl Nitrogen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.5]	ND	--	--
SM21 4500NO3-F	Nitrate-N	--	--	J, B	--	--	--	--	--	--	**0.07**	J, B	--	--	--	--	--	--	[0.05]	ND	--	--	--	--	--	--
	Nitrite-N	--	--	ND	--	--	--	--	--	--	[0.05]	ND	--	--	--	--	--	--	**0.056**	J	--	--	--	--	--	--
SM21 4500P-B,E	Total Phosphorus	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.05]	=	--	--
	Ortho Phosphate-P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.0052**	J	--	--
SM21 5310B	Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**9.94**	=	--	--
	Dissolved Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**9.95**	=	--	--
SM21 9222D	Fecal Coliform (Col/100mL)	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[2]	ND	--	--
SM21 10200H	Chlorophyll A (mg/m^3)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[1.6]	ND	--	--

Table 5
Summary of Analytical Results - All Wells
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																					
				PQW-1							TPW-1				TPW-1 (Duplicate)				TPW-2				TPW-5			
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	16 16:30		6/7/2016 13:30		6/7/2016 13:35		09/12/2016 15:10		04/23/2016 14:25		09/12/2016 11:57		4/23/2016 14:25		09/12/2016 11:57		4/23/2016 17:45		09/12/2016 10:05		08/11/2016 14:05		09/12/2016 16:49	
				Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
SW8082A PCB	Aroclor-1016	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.000202]	ND	--	--
	Aroclor-1221	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.000505]	ND	--	--
	Aroclor-1232	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000505]	ND	--	--
	Aroclor-1242	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000505]	ND	--	--
	Aroclor-1248	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000505]	ND	--	--
	Aroclor-1254	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000505]	ND	--	--
	Aroclor-1260	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000505]	ND	--	--
SW 8270D SIM (PESTICIDE)	4,4'-DDD	0.0035	0.0035	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	4,4'-DDE	0.0025	0.0025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	4,4'-DDT	0.000001	0.0025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND, QL	--	--
	Aldrin	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	alpha-BHC	0.00014	0.00014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	alpha-Chlordane	0.000004	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	beta-BHC	0.00047	0.00047	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	delta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	Dieldrin	0.0000019	0.000053	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	Endosulfan I	0.0000087	0.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--
	Endosulfan II	0.0000087	0.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	Endosulfan sulfate	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	Endrin	0.0000023	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	Endrin aldehyde	0.00076	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	Endrin ketone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	gamma-BHC (Lindane)	0.00016	0.0002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	gamma-Chlordane	0.000004	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Heptachlor	0.0000036	0.0004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	Heptachlor epoxide	0.0000036	0.0002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	Methoxychlor	0.00003	0.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	Toxaphene	0.0000002	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.00102]	ND	--	--
SW8011, LL VOC	1,2,3-Trichloropropane	0.00012	0.00012	--	--	--	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--		[0.00002]	ND
	1,2-Dibromoethane	0.00005	0.00005	--	--	--	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--		[0.00002]	ND
SW8260C VOC	1,1,1,2-Tetrachloroethane	--	--	ND	[0.00025]	ND	[0.00025]	ND	--	--	[0.00025]	ND	--	--	--	--	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	--	--
	1,1,1-Trichloroethane	0.2	0.2	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--	--	--
	1,1,2,2-Tetrachloroethane	0.0043	0.0043	ND	[0.00025]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	--	--	--	--
	1,1,2-Trichloroethane	0.005	0.005	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	--	--	--	--
	1,1-Dichloroethane	7.3	7.3	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--	--	--
	1,1-Dichloroethene	0.007	0.007	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--	--	--
	1,1-Dichloropropene	--	--	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--	--	--
	1,2,3-Trichlorobenzene	--	--	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--	--	--
	1,2,3-Trichloropropane	0.00012	0.00012	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--	--	--
	1,2,4-Trichlorobenzene	0.07	0.07	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	--	--	--	--
	1,2,4-Trimethylbenzene	1.8	1.8	=	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	**0.00031**	J	[0.003]	ND	[0.0005]	ND	--	--	--	--
	1,2-Dibromo-3-Chloropropane	0.0002	--	ND	[0.005]	ND	[0.005]	ND	[0.01]	ND	[0.005]	ND	[0.01]	ND	--	--	[0.01]	ND	[0.005]	ND	[0.01]	ND	[0.005]	ND	--	--	--	--
	1,2-Dibromoethane	0.00005	0.00005	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	--	--	--	--
	1,2-Dichlorobenzene	0.6	0.6	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--	--	--
	1,2-Dichloroethane	0.005	0.005	ND	[0.00025]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	--	--	--	--
	1,2-Dichloropropane	0.005	0.005	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	--	--	--	--
	1,3,5-Trimethylbenzene	1.8	1.8	J	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--	--	--
	1,3-Dichlorobenzene	0.4	3.3	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--	--	--
	1,3-Dichloropropane	--	--	ND	[0.00025]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	--	--	--	--
	1,4-Dichlorobenzene	0.075	0.075	ND	[0.00025]	ND	[0.00025]	ND	[0.004]	ND	[0.00025]	ND	[0.004]	ND	--	--	[0.004]	ND	[0.00025]	ND	[0.004]	ND	[0.00025]	ND	--	--	--	--
	2,2-Dichloropropane	--	--	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--	--	--
	2-Butanone	22	22	ND	[0.005]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	--	--	[0.02]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	--	--	--	--
	2-Chlorotoluene	--	--	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--	--	--
	2-Hexanone	--	--	ND	[0.005]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	--	--	[0.02]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	--	--	--	--
	4-Chlorotoluene	--	--	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--	--	--
	4-Isopropyltoluene	--	--	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--	--	--
	4-Methyl-2-pentanone	2.9	2.9	ND	[0.005]	ND	[0.005]	ND	[0.015]	ND	[0.005]	ND	[0.015]	ND	--	--	[0.015]	ND	[0.005]	ND	[0.015]	ND	[0.005]	ND	--	--	--	--
	Acetone	--	--	--	--	--	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	--	--	--	--
	Benzene	0.005	0.005	=	**0.00073**	=	**0.00098**	=	**0.0066**	=	[0.0002]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0002]	ND	[0.002]	ND	[0.0002]	ND	--	--	--	--
	Bromobenzene	--	--	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--	--	--
	Bromochloromethane	--	--	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--	--	--
	Bromodichloromethane	0.014	0.014	ND	[0.00025]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	--	--	--	--
	Bromoform	0.08	0.11	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	--	--	--	--
	Bromomethane	0.048	0.051	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	--	--	--	--
	Carbon disulfide	3.7	3.7	ND	[0.005]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	--	--	--	--
	Carbon tetrachloride	0.005	0.005	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--	--	--
	Chlorobenzene	0.1	0.1	ND	[0.00025]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	--	--	--	--
	Chloroethane	0.29	0.29	ND	[0.0005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	--	--	--	--
	Chloroform	0.08	0.14	ND	[0.0005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	--	--	--	--
	Chloromethane	0.066	0.066	ND	[0.0005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.0005]	ND	[0.005]	ND	**0.00034**	J	--	--	--	--
	cis-1,2-Dichloroethene	0.07	0.07	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	--	--	--	--
	cis-1,3-Dichloropropene	0.0085	0.0085	ND	[0.00025]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	--	--	--	--
	Dibromochloromethane	0.01	0.01	ND	[0.00025]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	--	--	--	--
	Dibromomethane	0.37	0.37	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	--	--	--	--
	Dichlorodifluoromethane	7.3	7.3	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--	--	--
	Ethylbenzene	0.7	0.7	J	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	**0.00054**	J	--	--	--	--
	Freon-113	--	1100	ND	[0.005]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--	--	--	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	--	--

Table 5
Summary of Analytical Results - All Wells
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																					
				PQW-1							TPW-1				TPW-1 (Duplicate)				TPW-2				TPW-5			
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	16 16:30		6/7/2016 13:30		6/7/2016 13:35		09/12/2016 15:10		04/23/2016 14:25		09/12/2016 11:57		4/23/2016 14:25		09/12/2016 11:57		4/23/2016 17:45		09/12/2016 10:05		08/11/2016 14:05		09/12/2016 16:49	
				Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
SW8260C VOC	Hexachlorobutadiene	0.0073	0.0073	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--
	Isopropylbenzene	3.7	3.7	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--
	Methylene Chloride	0.005	0.005	ND	[0.0025]	ND	[0.0025]	ND	[0.005]	ND	[0.005]	ND	[0.0025]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.0025]	ND	[0.005]	ND	[0.0025]	ND	--	--
	Methyl tert-butyl ether	0.47	0.47	ND	[0.005]	ND	[0.005]	ND	[0.001]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	--	--
	Naphthalene	0.73	0.73	ND	[0.005]	ND	[0.005]	ND	[0.002]	ND	[0.005]	ND	[0.002]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.005]	ND	[0.002]	ND	[0.005]	ND	--	--
	n-Butylbenzene	0.37	0.37	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	N-Propylbenzene	0.37	0.37	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	o-Xylene	10	10	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	**0.00287**	=	--	--
	P & M -Xylene	--	10	=	[0.001]	ND	[0.001]	ND	[0.003]	ND	[0.001]	ND	[0.003]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.001]	ND	[0.003]	ND	**0.00197**	J		
	sec-Butylbenzene	0.37	0.37	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	Styrene	0.1	0.1	=	[0.0005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.0005]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	--	--
	t-Butylbenzene	0.37	0.37	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	Tetrachloroethene	0.005	0.005	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	Toluene	1	1	=	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	**0.00083**	J	[0.002]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--
	trans-1,2-Dichloroethene	0.1	0.1	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	trans-1,3-Dichloropropene	0.0085	0.0085	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	--	--
	Trichloroethene	0.005	0.005	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	Trichlorofluoromethane	11	11	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	Vinyl acetate	--	37	ND	[0.005]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--	--	--	--	--	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--
	Vinyl chloride	0.002	0.002	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.0005]	ND	--	--
	Xylenes (total)	--	10	=	[0.0015]	ND	[0.0015]	ND	[0.005]	ND	[0.0015]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.0015]	ND	[0.005]	ND	**0.00484**	=	--	--		
EPA 625M SIM (PAH)	Acenaphthene	--	--	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--	--	--
	Acenaphthylene	--	--	J	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--	--	--
	Anthracene	--	--	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--	--	--
	Benzo(a)Anthracene	--	--	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--	--	--
	Benzo[a]pyrene	--	--	ND	--	--	--	--	--	--	[0.0000102]	ND	--	--	[0.0000102]	ND	--	--	[0.0000104]	ND	--	--	--	--	--	--	--	--
	Benzo[b]Fluoranthene	--	--	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--	--	--
	Benzo[g,h,i]perylene	--	--	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--	--	--
	Benzo[k]fluoranthene	--	--	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--	--	--
	Chrysene	--	--	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--	--	--
	Dibenzo[a,h]anthracene	--	--	ND	--	--	--	--	--	--	[0.0000102]	ND	--	--	[0.0000102]	ND	--	--	[0.0000104]	ND	--	--	--	--	--	--	--	--
	Fluoranthene	--	--	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--	--	--
	Fluorene	--	--	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--	--	--
	Indeno[1,2,3-c,d] pyrene	--	--	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--	--	--
	Naphthalene	--	--	=	--	--	--	--	--	--	[0.000051]	ND	--	--	[0.000051]	ND	--	--	**0.000129**	=	--	--	--	--	--	--	--	--
	Phenanthrene	--	--	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--	--	--
	Pyrene	--	--	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--	--	--
SW8270D SVOC	1,2,4-Trichlorobenzene	0.07	0.07	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND		
	1,2-Dichlorobenzene	0.6	0.6	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND		
	1,3-Dichlorobenzene	0.4	3.3	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND		
	1,4-Dichlorobenzene	0.075	0.075	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND		
	1-Chloronaphthalene	--	--	ND	[0.00505]	ND	[0.00530]	ND	--	--	[0.0051]	ND	--	--	--	--	--	--	[0.00515]	ND	--	--	[0.00505]	ND	--	--		
	1-Methylnaphthalene	0.15	0.15	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	**0.00023**	=	[0.00505]	ND	[0.000063]	ND		
	2,4,5-Trichlorophenol	2.6	3.7	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND		
	2,4,6-Trichlorophenol	0.077	0.077	ND	[0.00505]	ND	[0.00530]	ND	[0.0006]	ND	[0.0051]	ND	[0.00061]	ND	--	--	[0.00061]	ND	[0.00515]	ND	[0.00061]	ND	[0.00505]	ND	[0.00063]	ND		
	2,4-Dichlorophenol	0.093	0.11	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND		
	2,4-Dimethylphenol	0.54	0.73	ND	[0.00505]	ND	[0.00530]	ND	[0.002]	ND	[0.0051]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.00515]	ND	[0.002]	ND	[0.00505]	ND	[0.0021]	ND		
	2,4-Dinitrophenol	0.07	0.073	ND	[0.0253]	ND	[0.0266]	ND	[0.005]	ND	[0.0255]	ND	[0.005]	ND	--	--	[0.0051]	ND	[0.0257]	ND	[0.0051]	ND	[0.0253]	ND	[0.0052]	ND		
	2,4-Dinitrotoluene	0.0013	0.0013	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND		
	2,6-Dichlorophenol	--	--	ND	[0.00505]	ND	[0.00530]	ND	--	--	[0.0051]	ND	--	--	--	--	--	--	[0.00515]	ND	--	--	[0.00505]	ND	--	--		
	2,6-Dinitrotoluene	0.0013	0.0013	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	**0.00047**	=	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	**0.0013**	=		
	2-Chloronaphthalene	1.7	2.9	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND	[0.00505]	ND	[0.000063]	ND		
	2-Chlorophenol	0.12	0.18	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND		
	2-Methyl-4,6-dinitrophenol	--	--	ND	[0.0253]	ND	[0.0266]	ND	--	--	[0.0255]	ND	--	--	--	--	--	--	[0.0257]	ND	--	--	[0.0253]	ND	--	--		
	2-Methylnaphthalene	0.15	0.15	ND	[0.00505]	ND	[0.00530]	ND	[0.0002]	ND	[0.0051]	ND	[0.0002]	ND	--	--	[0.0002]	ND	[0.00515]	ND	**0.00021**	=	[0.00505]	ND	[0.00021]	ND		
	2-Methylphenol	1.8	1.8	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND		
	2-Nitroaniline	--	--	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND		
	2-Nitrophenol	--	--	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND		
	3 & 4 Methylphenol	--	--	ND	[0.0101]	ND	[0.0107]	ND	[0.00081]	ND	[0.0102]	ND	[0.00081]	ND	--	--	[0.00081]	ND	[0.0103]	ND	[0.00082]	ND	[0.0101]	ND	[0.00083]	ND		
	3,3'-Dichlorobenzidine	0.0019	0.0019	ND	[0.00505]	ND	[0.00530]	ND	[0.002]	ND, R	[0.0051]	ND	[0.002]	ND, R	--	--	[0.002]	ND, R	[0.00515]	ND	[0.002]	ND, R	[0.00505]	ND	[0.0021]	ND, R		
	3-Nitroaniline	--	--	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND,QL,ML	--	--	[0.00041]	ND,QL	[0.00515]	ND	[0.00041]	ND,QL	[0.00505]	ND	[0.00042]	ND,QL		
	4,6-Dinitro-2-methylphenol	0.0134	--	--	--	--	--	--	[0.004]	ND	--	--	[0.004]	ND	--	--	[0.0041]	ND	--	--	[0.0041]	ND	--	--	[0.0042]	ND		
	4-Bromophenyl phenyl ether	--	--	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND		
	4-Chloro-3-methylphenol	--	--	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND		
	4-Chloroaniline	0.016	0.016	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND, R	[0.0051]	ND	[0.0004]	ND, R	--	--	[0.00041]	ND, R	[0.00515]	ND	[0.00041]	ND, R	[0.00505]	ND	[0.00042]	ND, R		
	4-Chlorophenyl phenyl ether	--	--	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND		
	4-Nitroaniline	--	--	ND	[0.00505]	ND	[0.00530]	ND	[0.0006]	ND	[0.0051]	ND	[0.00061]	ND,QL	--	--	[0.00061]	ND,QL	[0.00515]	ND	[0.00061]	ND,QL	[0.00505]	ND	[0.00063]	ND,QL		
	4-Nitrophenol	--	--	ND	[0.0253]	ND	[0.0266]	ND	[0.003]	ND	[0.0255]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0257]	ND	[0.0031]	ND	[0.0253]	ND	[0.0031]	ND		
	Acenaphthene	1.2	2.2	ND	[0.00505]	ND	[0.00530]	ND	[0.0001]	ND	[0.0051]	ND	[0.0001]	ND	--	--	[0.0001]	ND	[0.00515]	ND	[0.0001]	ND	[0.00505]	ND	[0.0001]	ND		
	Acenaphthylene	2.2	2.2	ND	[0.00505]	ND	[0.00530]	ND	[0.000081]	ND	[0.0051]	ND	[0.000081]	ND	--	--	[0.000081]	ND	[0.00515]	ND	[0.000082]	ND	[0.00505]	ND	[0.000083]	ND		
	Aniline	--	--	ND	[0.0253]	ND	[0.0266]	ND	--	--	[0.0255]	ND	--	--	--	--	--	--	[0.0257]	ND	--	--	[0.0253]	ND	--	--		
	Anthracene	9.6	11	ND	[0.00505]	ND	[0.00530]	ND	[0.00004]	ND	[0.0051]	ND	[0.00004]	ND	--	--	[0.000041]	ND	[0.00515]	ND	[0.000041]	ND	[0.00505]	ND	[0.000042]	ND		
	Azobenzene	--	--	ND	[0.00505]	ND	[0.00530]	ND	--	--	[0.0051]	ND	--	--	--	--	--	--	[0.00515]	ND	--	--	[0.00505]	ND	--	--		
	Benzo[a]anthracene	0.0012	0.0012	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND	[0.00505]	ND	[0.000063]	ND		
	Benzo[a]pyrene	0.0002	0.0002	ND	[0.00505]	ND	[0.00530]	ND	[0.00004]	ND	[0.0051]	ND	[0.00004]	ND	--	--	[0.000041]	ND	[0.00515]	ND	[0.000041]	ND	[0.00505]	ND	[0.000042]	ND		
	Benzo[b]fluoranthene	0.0012	0.0012	ND	[0.00505]	ND	[0.00530]	ND	[0.000081]	ND	[0.0051]	ND	[0.000081]	ND	--	--	[0.000081]	ND	[0.00515]	ND	[0.000082]	ND	[0.00505]	ND	[0.000083]	ND		
	Benzo[g,h,i]perylene	1.1	1.1	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND	[0.00505]	ND	[0.000063]	ND		
	Benzo[k]fluoranthene	0.012	0.012	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND	[0.00505]	ND	[0.000063]	ND		

Table 5
Summary of Analytical Results - All Wells
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																			
				PQW-1						TPW-1				TPW-1 (Duplicate)				TPW-2				TPW-5			
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	16 16:30		6/7/2016 13:30		6/7/2016 13:35		09/12/2016 15:10		04/23/2016 14:25		09/12/2016 11:57		4/23/2016 14:25		09/12/2016 11:57		4/23/2016 17:45		09/12/2016 10:05		08/11/2016 14:05		09/12/2016 16:49	
				Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
SW8270D SVOC	Benzoic acid	150	150	J	[0.02353]	ND	[0.0266]	ND	**0.0065**	=	[0.0255]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0257]	ND	[0.0031]	ND	[0.0253]	ND	[0.0031]	ND
	Benzyl alcohol	--	--	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND, QL	[0.00515]	ND	[0.00041]	ND, QL	[0.00505]	ND	[0.00042]	ND, QL
	Bis(2chloro1methylethyl)Ether	--	--	ND	[0.00505]	ND	[0.00530]	ND	--	--	[0.0051]	ND	--	--	--	--	--	--	[0.00515]	ND	--	--	[0.00505]	ND	--	--
	Bis(2-chloroethoxy)methane	--	--	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	Bis(2-chloroethyl)ether	0.00077	0.00077	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	Bis(2-ethylhexyl) phthalate	0.006	0.006	ND	[0.00505]	ND	[0.00530]	ND	[0.003]	ND	[0.0051]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.00515]	ND	[0.0031]	ND	[0.00505]	ND	[0.0031]	ND
	bis(chloroisopropyl) ether	1.4	--	--	--	--	--	--	[0.0004]	ND	--	--	[0.0004]	ND, ML	--	--	[0.00041]	ND	--	--	[0.00041]	ND	--	--	[0.00042]	ND
	Butyl benzyl phthalate	3	7.3	ND	[0.00505]	ND	[0.00530]	ND	[0.0006]	ND	[0.0051]	ND	**0.0014**	=	--	--	[0.00061]	ND	[0.00515]	ND	**0.0014**	B	[0.00505]	ND	[0.00063]	ND
	Carbazole	0.043	0.043	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	Chrysene	0.12	0.12	ND	[0.00505]	ND	[0.00530]	ND	[0.00004]	ND	[0.0051]	ND	[0.00004]	ND	--	--	[0.000041]	ND	[0.00515]	ND	[0.000041]	ND	[0.00505]	ND	[0.000042]	ND
	Dibenz(a,h)anthracene	0.00012	0.00012	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND	[0.00505]	ND	[0.000063]	ND
	Dibenzofuran	0.073	0.073	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	Diethyl phthalate	23	29	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	Dimethyl phthalate	313	370	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	Di-n-butyl phthalate	2.7	3.7	ND	**0.00322**	J	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	**0.0013**	B	[0.00505]	ND	**0.0038**	B
	Di-n-octyl phthalate	1.5	1.5	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	Fluoranthene	0.3	1.5	ND	[0.00505]	ND	[0.00530]	ND	[0.00005]	ND	[0.0051]	ND	[0.00005]	ND	--	--	[0.000051]	ND	[0.00515]	ND	[0.000051]	ND	[0.00505]	ND	[0.000052]	ND
	Fluorene	1.3	1.5	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND	[0.00505]	ND	[0.000063]	ND
	Hexachlorobenzene	0.001	0.001	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	Hexachlorobutadiene	0.0073	0.0073	ND	[0.00505]	ND	[0.00530]	ND	[0.0006]	ND	[0.0051]	ND	[0.00061]	ND	--	--	[0.00061]	ND	[0.00515]	ND	[0.00061]	ND	[0.00505]	ND	[0.00063]	ND
	Hexachlorocyclopentadiene	0.05	0.05	ND	[0.0152]	ND	[0.0159]	ND	[0.002]	ND	[0.0153]	ND	[0.002]	ND, QL	--	--	[0.002]	ND, QL	[0.0155]	ND	[0.002]	ND, QL	[0.0152]	ND	[0.0021]	ND, QL
	Hexachloroethane	0.04	0.04	ND	[0.00505]	ND	[0.00530]	ND	[0.0006]	ND	[0.0051]	ND	[0.00061]	ND	--	--	[0.00061]	ND	[0.00515]	ND	[0.00061]	ND	[0.00505]	ND	[0.00063]	ND
	Indeno[1,2,3-cd]pyrene	0.0012	0.0012	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND	[0.00505]	ND	[0.000063]	ND
	Isophorone	0.9	0.9	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	Naphthalene	0.73	0.73	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	Nitrobenzene	0.017	0.018	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	N-Nitrosodimethylamine	--	0.000017	ND	[0.00505]	ND	[0.00530]	ND	--	--	[0.0051]	ND	--	--	--	--	--	--	[0.00515]	ND	--	--	[0.00505]	ND	--	--
	N-Nitrosodi-n-propylamine	0.00012	0.00012	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00041]	=
	N-Nitrosodiphenylamine	0.17	0.17	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND, QL	--	--	[0.00041]	ND, QL	[0.00515]	ND	[0.00041]	ND, QL	[0.00505]	ND	[0.00042]	ND, QL
	Pentachlorophenol	0.001	0.001	ND	[0.0253]	ND	[0.0266]	ND	[0.0007]	ND	[0.0255]	ND	[0.00071]	ND	--	--	[0.00071]	ND	[0.0257]	ND	[0.00072]	ND	[0.0253]	ND	[0.00073]	ND
	Phenanthrene	11	11	ND	[0.00505]	ND	[0.00530]	ND	[0.000081]	ND	[0.0051]	ND	[0.000081]	ND	--	--	[0.000081]	ND	[0.00515]	ND	[0.000082]	ND	[0.00505]	ND	[0.000083]	ND
	Phenol	11	11	ND	[0.00505]	ND	[0.00530]	ND	**0.0012**	=	[0.0051]	ND	[0.00061]	ND	--	--	[0.00061]	ND	[0.00515]	ND	[0.00061]	ND	[0.00505]	ND	**0.001**	=
	Pyrene	0.96	1.1	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND	[0.00505]	ND	[0.000063]	ND

l level corresponds to ADEC groundwater cleanup levels from 18 AAC 75.345 Table C. Revised 5/8/2016
aska.gov/commish/regulations/pdfs/18%20aac%2075.pdf
l level corresponds to the most conservative values within ADEC Water Quality Standards 18 AAC 70. Amended 2/19/2016.
laska.gov/commish/regulations/pdfs/18%20AAC%2070.pdf
le identification number and date collected are provided.
esults, the sample result is listed in this column. For results of non-detect, the LOD is listed in [ ] in this column.
tor: http://dec.alaska.gov/water/cruise_ships/gp/2010/zinc_rpa_stationary.xls
d 5 NTUs above natural conditions (NC) when the natural turbidity is 50 NTU or less, and may not have more than
se in turbidity when the natural turbidity is more than 50 NTU, not to exceed a maximum increase of 25 NTU. Turbidity screening
sponds to ADEC Alaska General Permit AKG003000 for discharge of Aquifer Pump Test (Table 6).
aska.gov/water/wnpspc/stormwater/docs/AKG003000_Hydrostatic_GP_Permit.pdf
specific to various factors, such as a receiving water body (e.g., freshwater or saltwater)
ater Quality Criteria Manual for Toxic and other Deleterious Organic and Inorganic substances,
rough December 12, 2008, Appendices C through g.
Sample results exceeding the ADEC Table C Groundwater screening criteria are shown in (**BOLD** with yellow shading).
Analyte was not detected, but the LOD was above the screening level (light blue shading).
rations in **BOLD**

Analyte detected at concentration listed in column to the left.
The reported concentration was less than five times that of the associated method blank and/or trip blank.
Result is considered an estimated value because the level is below the laboratory LOQ, but above the DL.
Non-detect, LOD is in brackets [ ] in the concentration column.
The quantitation was an estimate due to a quality control failure. Where applicable, a "H", "L", or "N" was used to indicate possible high, low, or unknown bias.
The quantitation was an estimate due to a sample matrix quality control failure. Where applicable, a "H", "L", or "N" was used to indicate possible high, low, or unknown bias.
Holding Time Exceeded
Analyte was analyzed for but not detected
Lab Control Sample or Lab Control Sample Duplicate outside of acceptance limits

Abbreviations

--	Not applicable or screening criteria does not exist for this compound
AAC	Alaska Administrative Code
ADEC	Alaska Department of Environmental Conservation
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
PAH	Polycyclic Aromatic Hydrocarbon
SVOCs	Semi-volatile Organic Compounds
VOCs	Volatile Organic Compounds

Table 6
Summary of Analytical Results - Water Bearing Unit 1
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																	
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	MW-27B				MW-39B				MW-50B				MW-74B				MW-82B			
				4/19/2016 17:15		09/16/2016 16:55		4/21/16 14:00		09/19/2016 12:42		4/20/16 18:40		09/18/2016 09:41		04/21/2016 18:10		09/17/2016 12:41		04/20/2016 13:05		09/16/2016 13:31	
				Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
200.8 Metal, Dissolved	Aluminum, Dissolved	--	--	**0.00683**	=	**0.00946**	=, B	**0.0244**	=	**0.012**	=, B	**0.00235**	=, B	**0.00158**	J,B	**0.00357**	=, B, MH	**0.0256**	=	**0.00312**	=, B	**0.00845**	=, B
	Antimony, Dissolved	--	--	[0.000025]	ND	**0.0000682**	=	**0.0000627**	=	**0.0000487**	J	**0.0000707**	=	**0.0000561**	=	**0.0000214**	J, MH	**0.0000363**	J	[0.000025]	ND	**0.000118**	=
	Arsenic, Dissolved	0.01	--	**0.00109**	=	**0.000824**	=	**0.00113**	=	**0.00101**	=	[0.0004]	ND	[0.0004]	ND	**0.00144**	=	**0.00108**	=	[0.0004]	ND	[0.0004]	ND
	Barium, Dissolved	--	--	**0.0687**	=	**0.0629**	=	**0.059**	=	**0.0633**	=	**0.0235**	=	**0.0256**	=	**0.0327**	=, MH	**0.0256**	=	**0.0234**	=	**0.00978**	=
	Beryllium, Dissolved	--	--	[0.000025]	ND	[0.000025]	ND	**0.0000299**	J	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND
	Bismuth, Dissolved	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND
	Boron, Dissolved	--	--	**0.00383**	J	**0.00493**	J	**0.00697**	=	**0.00625**	=	**0.00372**	J	**0.00482**	J	**0.00756**	=, MH	**0.00479**	J	**0.0078**	=	**0.00836**	=
	Cadmium, Dissolved [5]	0.06	--	[0.000025]	ND	[0.000025]	ND	**0.0000574**	=	**0.0000381**	J	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**0.0000811**	=	**0.0000391**	J
	Calcium, Dissolved	--	--	**19.6**	=	**18.1**	=	**30**	=	**33.1**	=	**13.5**	=	**13**	=	**14.9**	=	**11.1**	=	**20.7**	=	**19**	=
	Chromium, Dissolved	0.011	--	**0.000641**	=	**0.000199**	J	**0.000557**	=	**0.000441**	J	[0.00025]	ND	[0.00025]	ND	**0.000697**	=, MH	**0.000294**	J	**0.000151**	J	[0.00025]	ND
	Cobalt, Dissolved	--	--	**0.000356**	=	**0.000373**	=	**0.0131**	=	**0.0156**	=	**0.000804**	=	**0.000837**	=	**0.00138**	=, MH	**0.00107**	=	**0.000249**	=	**0.000291**	=
	Copper, Dissolved [5]	0.00161	--	**0.00102**	=	**0.000237**	J, B	**0.000843**	=	**0.000484**	J, B	**0.000303**	J	**0.000262**	J, B	[0.00025]	ND	[0.00025]	ND	**0.00038**	J	**0.000403**	J, B
	Iron, Dissolved	--	--	**9.4**	=	**7.83**	=	**7.43**	=	**11.7**	=	**0.47**	=	**0.39**	=	**4.74**	=	**3.4**	=	**2.14**	=	**0.615**	=
	Lead, Dissolved [5]	0.00027	--	[0.00005]	ND	[0.00005]	ND	[0.00005]	ND	[0.00005]	ND	[0.00005]	ND	[0.00005]	ND	[0.00005]	ND	**0.0000365**	J	[0.00005]	ND	[0.00005]	ND
	Magnesium, Dissolved	--	--	**6.86**	=	**6.16**	=	**10.5**	=	**13.3**	=	**5.33**	=	**5.07**	=	**5.03**	=, MH	**3.68**	=	**5.24**	=	**4.66**	=
	Manganese, Dissolved	--	--	**0.459**	=	**0.394**	=	**0.916**	=	**1.19**	=	**0.0387**	=	**0.0494**	=	**0.191**	=	**0.141**	=	**0.124**	=	**0.0372**	=
	Molybdenum, Dissolved	--	--	**0.000199**	=	**0.000103**	=	**0.000335**	=	**0.000252**	=	**0.000496**	=	**0.000596**	=	**0.000381**	=, MH	**0.000222**	=	**0.000343**	=	**0.000119**	=
	Nickel, Dissolved [5]	0.0095	--	**0.00204**	=	**0.0019**	=	**0.0208**	=	**0.0225**	=	**0.00298**	=	**0.00749**	=	**0.0026**	=, MH	**0.00172**	=	**0.00189**	=	**0.00157**	=
	Potassium, Dissolved	--	--	**2.14**	=	**2.04**	=	**3.11**	=	**3.07**	=	**2.15**	=	**1.93**	=	**2.18**	=	**1.71**	=	**2.26**	=	**1.98**	=
	Selenium, Dissolved	--	--	[0.0005]	ND	[0.0005]	ND	**0.000843**	J	**0.000611**	J	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND
	Silicon, Dissolved	--	--	**16.6**	=, QH	**16.2**	=,QH	**14.1**	=	**14.4**	=,QH	**16.1**	=, QH	**15.8**	=,QH	**19.1**	=	**15.7**	=,QH	**14.5**	=, QH	**14**	=,QH
	Silver, Dissolved [5]	0.00011	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND
	Sodium, Dissolved	--	--	**7.52**	=	**8**	=	**24.5**	=	**21**	=	**7.14**	=	**6.75**	=	**8.04**	=, MH	**6.03**	=	**15.3**	=	**14**	=
	Thallium, Dissolved	--	--	[0.00001]	ND	[0.00001]	ND	**0.00000648**	J	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND
	Tin, Dissolved	--	--	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND
	Vanadium, Dissolved	--	--	[0.0005]	ND	**0.000331**	J	**0.000877**	J	**0.000557**	J	[0.0005]	ND	[0.0005]	ND	**0.000477**	J, MH	**0.000546**	J	[0.0005]	ND	**0.000706**	J
	Zinc, Dissolved [5]	0.02134	--	**0.00107**	J, B	**0.00387**	J,B	**0.0153**	=	**0.0243**	= , B	**0.000748**	J, B	**0.00532**	=,B	**0.00112**	J	**0.00237**	J,B	**0.00188**	J, B	**0.00835**	= , B
200.8 Metal, Total	Aluminum, Total	0.087	--	**0.882**	=	**1.04**	=	**0.463**	=	**0.113**	=	**0.07**	=	**0.0449**	=	**0.43**	=, MH	**0.78**	=	**0.37**	=	**0.496**	=
	Antimony, Total	0.006	0.006	**0.00011**	=	**0.00019**	=	**0.0000866**	=	**0.0000647**	=	**0.00012**	=	**0.0000879**	=	**0.00011**	=	**0.0000599**	=	**0.0000448**	J	**0.000207**	=
	Arsenic, Total	0.01	0.01	**0.00252**	=	**0.00201**	=	**0.00206**	=	**0.00166**	=	**0.00106**	=	**0.000713**	J	**0.00154**	=	**0.00118**	=	**0.000786**	J	**0.00127**	=
	Barium, Total	2	2	**0.0833**	=	**0.0785**	=	**0.0645**	=	**0.0652**	=	**0.0253**	=	**0.0274**	=	**0.0414**	=	**0.0311**	=	**0.029**	=	**0.0151**	=
	Beryllium, Total	0.004	0.004	**0.000042**	J	**0.0000348**	J	**0.0000379**	J	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND
	Bismuth, Total	--	--	[0.000025]	ND	**0.0000175**	J	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND
	Boron, Total	0.75	--	**0.0064**	=	**0.00498**	J	**0.00708**	=	**0.0061**	=	**0.00382**	J	**0.0049**	J	**0.00884**	=	**0.00456**	J	**0.00918**	=	**0.00795**	=
	Cadmium, Total	0.01	0.005	**0.0000309**	J	[0.000025]	ND	**0.00006**	=	**0.0000367**	J	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**0.0000842**	=	**0.0000472**	J
	Calcium, Total	--	--	**21**	=	**18.4**	=	**31.1**	=	**34.2**	=	**13.8**	=	**13.8**	=	**16.8**	=	**10.8**	=	**23.5**	=	**19.5**	=
	Chromium, Total	0.011	0.1	**0.00344**	=	**0.00371**	=	**0.00194**	=	**0.0093**	=	**0.00111**	=	**0.0565**	=	**0.00248**	=, MH	**0.00325**	=	**0.00237**	=	**0.00339**	=
	Cobalt, Total	0.05	--	**0.000836**	=	**0.000916**	=	**0.0137**	=	**0.0149**	=	**0.000832**	=	**0.00148**	=	**0.00173**	=, MH	**0.00132**	=	**0.000462**	=	**0.000539**	=
	Copper, Total	0.0031	1	**0.00403**	=	**0.00379**	=	**0.00163**	=	**0.00101**	=	**0.000813**	=	**0.00219**	=	**0.000973**	=	**0.0013**	=	**0.00138**	=	**0.00226**	=
	Iron, Total	1	--	**12.9**	=	**10.7**	=	**7.91**	=	**11.7**	=	**2.44**	=	**1.8**	=	**5.81**	=	**3.8**	=	**3.82**	=	**1.89**	=
	Lead, Total	0.0081	0.015	**0.000614**	=	**0.000969**	=	**0.000289**	=	**0.0000859**	J	**0.000124**	=	**0.0000792**	J	**0.000222**	=	**0.000469**	=	**0.000257**	=	**0.00046**	=
	Magnesium, Total	--	--	**6.99**	=	**6.5**	=	**11.1**	=	**14**	=	**5.38**	=	**5.19**	=	**6.2**	=	**3.6**	=	**6**	=	**4.63**	=
	Manganese, Total	0.05	--	**0.501**	=	**0.403**	=	**0.941**	=	**1.27**	=	**0.0409**	=	**0.0615**	=	**0.22**	=	**0.14**	=	**0.141**	=	**0.0478**	=
	Molybdenum, Total	0.01	--	**0.000343**	=	**0.000184**	=	**0.000419**	=	**0.00055**	=	**0.000491**	=	**0.00241**	=	**0.000445**	=, MH	**0.000304**	=	**0.000495**	=	**0.000326**	=
	Nickel, Total	0.0082	0.1	**0.00363**	=	**0.0038**	=	**0.0221**	=	**0.0277**	=	**0.00291**	=	**0.0395**	=	**0.00329**	=, MH	**0.003**	=	**0.00289**	=	**0.00328**	=
	Potassium, Total	--	--	**2.41**	=	**2.34**	=	**3.27**	=	**3.21**	=	**2.14**	=	**2.12**	=	**2.45**	=	**1.64**	=	**2.53**	=	**2.01**	=
	Selenium, Total	0.005	0.05	[0.0005]	ND	[0.0005]	ND	**0.00071**	J	**0.000682**	J	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND
	Silver, Total	0.0019	0.1	**0.00000744**	J, B	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	**0.0000106**	J	[0.00001]	ND	[0.00001]	ND	**0.0000596**	=
	Sodium, Total	--	--	**7.95**	=	**8.36**	=	**14.7**	=	**22.4**	=	**7.18**	=	**6.99**	=	**9.86**	=	**5.75**	=	**17.6**	=	**13.8**	=
	Thallium, Total	0.0017	0.002	**0.00000694**	J	**0.00000726**	J	**0.0000113**	J	**0.0000078**	J	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	**0.0000096**	J
	Tin, Total	--	--	**0.000121**	J	**0.000154**	J	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND
	Vanadium, Total	0.1	0.26	**0.00284**	=	**0.00374**	=	**0.00309**	=	**0.00165**	=	**0.00129**	=	**0.00107**	=	**0.00191**	=, MH	**0.00179**	=	**0.00181**	=	**0.0027**	=
	Zinc, Total	0.081	5	**0.00398**	=, B	**0.00709**	= , B	**0.0156**	=	**0.0228**	=	**0.00104**	J, B	**0.00216**	J, B	**0.00239**	J	**0.00432**	= , B	**0.00416**	=, B	**0.0101**	= , B
EPA 1631 E, Dissolved	Mercury, Dissolved	0.00077	--	**0.00000051**	J	[0.0000005]	ND	[0.0000005]	ND	**0.000000522**	J	**0.000000708**	=	[0.0000005]	ND	[0.0000005]	ND	[0.0000005]	ND	[0.0000005]	ND	[0.0000005]	ND
EPA 1631 E, Total	Mercury, Total	0.00005	0.002	**0.00000282**	=	**0.00000505**	=	**0.00000112**	=	**0.000000708**	J	**0.00000101**	=	**0.000000977**	J	**0.00000333**	=, B	**0.00000123**	=	**0.00000162**	=	**0.00000366**	=
AK101	Gasoline Range Organics	2.2	2.2	[0.05]	ND	[0.05]	ND	**0.0388**	J, B	[0.05]	ND	[0.05]	ND	[0.05]	ND	[0.05]	ND	[0.05]	ND	[0.05]	ND	[0.05]	ND
AK102	Diesel Range Organics	1.5	1.5	**0.197**	J	**0.282**	J, B	[0.283]	ND	**0.361**	J,B	[0.288]	ND	**0.447**	J,B	[0.288]	ND	**0.278**	J, B	[0.283]	ND	**0.362**	J, B
AK103	Residual Range Organics	1.1	1.1	**0.561**	=	[0.25]	ND	[0.236]	ND	[0.245]	ND	[0.24]	ND	[0.265]	ND	**0.823**	=	[0.265]	ND	[0.236]	ND	[0.245]	ND
EPA 300.0	Chloride	230	--	**30.6**	=	**26.9**	=	**113**	=	**115**	=	**14.8**	=	**12.9**	=	**11.8**	=	**11.2**	=	**45.0**	=, QL	**43.1**	=
	Fluoride	1	--	**0.056**	J, QH	**0.101**	J	**0.071**	J	**0.112**	J	**0.069**	J, QH	**0.116**	J	**0.064**	J	**0.118**	J	**0.0530**	J, QL	**0.098**	J
	Nitrate-N	--	--	**--**	--	[0.1]	ND	**--**	--	[0.05]	ND	**--**	--	[0.05]	ND, QL	**--**	--	[0.1]	ND	**--**	--	**1.14**	=
	Nitrite-N	--	--	**--**	--	[0.1]	ND	**--**	--	[0.05]	ND	**--**	--	**0.0512**	J,QL,B	**--**	--	[0.1]	ND	**--**	--	[0.1]	ND
	Sulfate	250	--	**5.31**	=	**5.63**	=	**15.8**	=	**9.9**	=	**4.85**	=	**6.29**	=	**5.19**	=	**5.5**	=	**3.85**	=, QL	**3.23**	=
EPA 410.4	Chemical Oxygen Demand	--	--	**--**	--	**--**	--	**--**	--	**--**	--			**--**	--	**--**	--	**--**	--	**--**	--	**--**	--
SM21 2130B	Turbidity (NTU)	See Note 6	--	**21**	=	**31**	=	**150**	=	**4.6**	=	**4.1**	=	**6.5**	=	**1.6**	=	**7.6**	=	**10**	=	**11**	=
SM21 2320B	Alkalinity	<20000	--	**58.2**	=	**53.8**	=	**40.6**	=	**51.7**	=	**47.2**	=	**52.6**	=	**44.8**	=	**42.5**	=	**44.7**	=	**35.5**	=
SM21 2340B	Hardness as CaCO3	--	--	**77.1**	=	**70.5**	=	**118**	=	**138**	=	**55.8**	=	**53.3**	=	**58**	=	**42.9**	=	**73.3**	=	**66.7**	=
SM21 2540B	Total Solids	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--
SM21 2540C	Total Dissolved Solids	500	--	**160**	=	**167**	=	**301**	=	**365**	=	**106**	=	**123**	=	**106**	=	**115**	=	**161**	=	**182**	=
SM21 2540D	Total Suspended Solids	--	--	**25**	=	**25.6**	=	**170**	=	**4**	=	**3.57**	=	**4.25**	=	**4.14**	=, QN	**11.8**	=	**11**	=	**13.2**	=
SM21 4500-NH3 G	Ammonia-N	See Note 7	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--
SM21 4500-N D	Total Kjeldahl Nitrogen	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--
SM21 4500NO3-F	Nitrate-N	--	--	[0.05]	ND	**--**	--	[0.05]	ND	**--**	--	**0.0558**	J, B	**--**	--	[0.05]	ND, QL	**--**	--	**0.563**	=	**--**	--
	Nitrite-N	--	--	[0.05]	ND	**--**	--	**0.049**	J	**--**	--	[0.05]	ND	**--**	--	**0.056**	J, QL	**--**	--	[0.05]	ND	**--**	--
SM21 4500P-B,E	Total Phosphorus	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--
	Ortho Phosphate-P	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--
SM21 5310B	Total Organic Carbon	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--
	Dissolved Organic Carbon	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--
SM21 9222D	Fecal Coliform (Col/100mL)	1	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--
SM21 10200H	Chlorophyll A (mg/m^3)	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--

Table 6
Summary of Analytical Results - Water Bearing Unit 1
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																	
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	MW-27B				MW-39B				MW-50B				MW-74B				MW-82B			
				4/19/2016 17:15		09/16/2016 16:55		4/21/16 14:00		09/19/2016 12:42		4/20/16 18:40		09/18/2016 09:41		04/21/2016 18:10		09/17/2016 12:41		04/20/2016 13:05		09/16/2016 13:31	
				Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
SW8082A PCB	Aroclor-1016	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1221	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1232	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1242	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1248	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1254	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1260	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW 8270D SIM (PESTICIDE)	4,4'-DDD	0.0035	0.0035	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4,4'-DDE	0.0025	0.0025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4,4'-DDT	0.000001	0.0025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aldrin	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	alpha-BHC	0.00014	0.00014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	alpha-Chlordane	0.000004	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	beta-BHC	0.00047	0.00047	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	delta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Dieldrin	0.0000019	0.000053	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endosulfan I	0.0000087	0.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endosulfan II	0.0000087	0.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endosulfan sulfate	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin	0.0000023	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin aldehyde	0.00076	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin ketone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	gamma-BHC (Lindane)	0.00016	0.0002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	gamma-Chlordane	0.000004	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Heptachlor	0.0000036	0.0004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Heptachlor epoxide	0.0000036	0.0002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Methoxychlor	0.00003	0.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Toxaphene	0.0000002	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW8011, LL VOC	1,2,3-Trichloropropane	0.00012	0.00012	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND
	1,2-Dibromoethane	0.00005	0.00005	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND
SW8260C VOC	1,1,1,2-Tetrachloroethane	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--
	1,1,1-Trichloroethane	0.2	0.2	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	1,1,2,2-Tetrachloroethane	0.0043	0.0043	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND
	1,1,2-Trichloroethane	0.005	0.005	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND
	1,1-Dichloroethane	7.3	7.3	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	1,1-Dichloroethene	0.007	0.007	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	1,1-Dichloropropene	--	--	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	1,2,3-Trichlorobenzene	--	--	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	1,2,3-Trichloropropane	0.00012	0.00012	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	1,2,4-Trichlorobenzene	0.07	0.07	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND
	1,2,4-Trimethylbenzene	1.8	1.8	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	1,2-Dibromo-3-Chloropropane	0.0002	--	[0.005]	ND	[0.01]	ND	[0.005]	ND	[0.01]	ND	[0.005]	ND	[0.01]	ND	[0.005]	ND	[0.01]	ND	[0.005]	ND	[0.01]	ND
	1,2-Dibromoethane	0.00005	0.00005	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND
	1,2-Dichlorobenzene	0.6	0.6	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	1,2-Dichloroethane	0.005	0.005	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND
	1,2-Dichloropropane	0.005	0.005	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND
	1,3,5-Trimethylbenzene	1.8	1.8	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	1,3-Dichlorobenzene	0.4	3.3	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	1,3-Dichloropropane	--	--	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND
	1,4-Dichlorobenzene	0.075	0.075	[0.00025]	ND	[0.004]	ND	[0.00025]	ND	[0.004]	ND	[0.00025]	ND	[0.004]	ND	[0.00025]	ND	[0.004]	ND	[0.00025]	ND	[0.004]	ND
	2,2-Dichloropropane	--	--	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	2-Butanone	22	22	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND
	2-Chlorotoluene	--	--	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	2-Hexanone	--	--	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND
	4-Chlorotoluene	--	--	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	4-Isopropyltoluene	--	--	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	4-Methyl-2-pentanone	2.9	2.9	[0.005]	ND	[0.015]	ND	[0.005]	ND	[0.015]	ND	[0.005]	ND	[0.015]	ND	[0.005]	ND	[0.015]	ND	[0.005]	ND	[0.015]	ND
	Acetone	--	--	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND
	Benzene	0.005	0.005	[0.0002]	ND	[0.002]	ND	[0.0002]	ND	[0.002]	ND	[0.0002]	ND	[0.002]	ND	[0.0002]	ND	[0.002]	ND	[0.0002]	ND	[0.002]	ND
	Bromobenzene	--	--	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	Bromochloromethane	--	--	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	Bromodichloromethane	0.014	0.014	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND
	Bromoform	0.08	0.11	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND
	Bromomethane	0.048	0.051	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND
	Carbon disulfide	3.7	3.7	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND
	Carbon tetrachloride	0.005	0.005	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	Chlorobenzene	0.1	0.1	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND
	Chloroethane	0.29	0.29	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND
	Chloroform	0.08	0.14	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND
	Chloromethane	0.066	0.066	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND
	cis-1,2-Dichloroethene	0.07	0.07	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND
	cis-1,3-Dichloropropene	0.0085	0.0085	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND
	Dibromochloromethane	0.01	0.01	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND
	Dibromomethane	0.37	0.37	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND
	Dichlorodifluoromethane	7.3	7.3	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	Ethylbenzene	0.7	0.7	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	Freon-113	--	1100	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--

Table 6
Summary of Analytical Results - Water Bearing Unit 1
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																	
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	MW-27B				MW-39B				MW-50B				MW-74B				MW-82B			
				4/19/2016 17:15		09/16/2016 16:55		4/21/16 14:00		09/19/2016 12:42		4/20/16 18:40		09/18/2016 09:41		04/21/2016 18:10		09/17/2016 12:41		04/20/2016 13:05		09/16/2016 13:31	
				Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
SW8260C VOC	Hexachlorobutadiene	0.0073	0.0073	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	Isopropylbenzene	3.7	3.7	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	Methylene Chloride	0.005	0.005	[0.0025]	ND	[0.005]	ND	[0.0025]	ND	[0.005]	ND	[0.0025]	ND	[0.005]	ND	[0.0025]	ND	[0.005]	ND	[0.0025]	ND	[0.005]	ND
	Methyl tert-butyl ether	0.47	0.47	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND
	Naphthalene	0.73	0.73	[0.005]	ND	[0.002]	ND	[0.005]	ND	[0.002]	ND	[0.005]	ND	[0.002]	ND	[0.005]	ND	[0.002]	ND	[0.005]	ND	[0.002]	ND
	n-Butylbenzene	0.37	0.37	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	N-Propylbenzene	0.37	0.37	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	o-Xylene	10	10	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	P & M -Xylene	--	10	[0.001]	ND	[0.003]	ND	[0.001]	ND	[0.003]	ND	[0.001]	ND	[0.003]	ND	[0.001]	ND	[0.003]	ND	[0.001]	ND	[0.003]	ND
	sec-Butylbenzene	0.37	0.37	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	Styrene	0.1	0.1	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND
	t-Butylbenzene	0.37	0.37	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	Tetrachloroethene	0.005	0.005	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	Toluene	1	1	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	trans-1,2-Dichloroethene	0.1	0.1	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	trans-1,3-Dichloropropene	0.0085	0.0085	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND
	Trichloroethene	0.005	0.005	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	Trichlorofluoromethane	11	11	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	Vinyl acetate	--	37	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--
	Vinyl chloride	0.002	0.002	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND
	Xylenes (total)	--	10	[0.0015]	ND	[0.005]	ND	[0.0015]	ND	[0.005]	ND	[0.0015]	ND	[0.005]	ND	[0.0015]	ND	[0.005]	ND	[0.0015]	ND	[0.005]	ND
EPA 625M SIM (PAH)	Acenaphthene	--	--	[0.0000254]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Acenaphthylene	--	--	[0.0000254]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Anthracene	--	--	[0.0000254]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo(a)Anthracene	--	--	[0.0000254]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo[a]pyrene	--	--	[0.0000101]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo[b]Fluoranthene	--	--	[0.0000254]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo[g,h,i]perylene	--	--	[0.0000254]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo[k]fluoranthene	--	--	[0.0000254]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Chrysene	--	--	[0.0000254]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Dibenzo[a,h]anthracene	--	--	[0.0000101]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Fluoranthene	--	--	[0.0000254]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Fluorene	--	--	[0.0000254]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Indeno[1,2,3-c,d] pyrene	--	--	[0.0000254]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Naphthalene	--	--	[0.000051]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Phenanthrene	--	--	[0.0000254]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Pyrene	--	--	[0.0000254]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW8270D SVOC	1,2,4-Trichlorobenzene	0.07	0.07	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	1,2-Dichlorobenzene	0.6	0.6	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	1,3-Dichlorobenzene	0.4	3.3	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	1,4-Dichlorobenzene	0.075	0.075	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	1-Chloronaphthalene	--	--	[0.00515]	ND	--	--	[0.0053]	ND	--	--	[0.0051]	ND	--	--	[0.00505]	ND	--	--	[0.00505]	ND	--	--
	1-Methylnaphthalene	0.15	0.15	[0.00515]	ND	[0.000059]	ND	[0.0053]	ND	[0.000058]	ND	[0.0051]	ND	[0.00006]	ND	[0.00505]	ND	[0.000065]	ND	[0.00505]	ND	[0.000058]	ND
	2,4,5-Trichlorophenol	2.6	3.7	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	2,4,6-Trichlorophenol	0.077	0.077	[0.00515]	ND	[0.00059]	ND	[0.0053]	ND	[0.00058]	ND	[0.0051]	ND	[0.0006]	ND	[0.00505]	ND	[0.00065]	ND	[0.00505]	ND	[0.00058]	ND
	2,4-Dichlorophenol	0.093	0.11	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	2,4-Dimethylphenol	0.54	0.73	[0.00515]	ND	[0.002]	ND	[0.0053]	ND	[0.0019]	ND	[0.0051]	ND	[0.002]	ND	[0.00505]	ND	[0.0022]	ND	[0.00505]	ND	[0.0019]	ND
	2,4-Dinitrophenol	0.07	0.073	[0.0257]	ND	[0.0049]	ND	[0.0266]	ND	[0.0049]	ND	[0.0255]	ND	[0.005]	ND	[0.0253]	ND	[0.0054]	ND	[0.0253]	ND	[0.0048]	ND
	2,4-Dinitrotoluene	0.0013	0.0013	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	2,6-Dichlorophenol	--	--	[0.00515]	ND	--	--	[0.0053]	ND	--	--	[0.0051]	ND	--	--	[0.00505]	ND	--	--	[0.00505]	ND	--	--
	2,6-Dinitrotoluene	0.0013	0.0013	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	2-Chloronaphthalene	1.7	2.9	[0.00515]	ND	[0.000059]	ND	[0.0053]	ND	[0.000058]	ND	[0.0051]	ND	[0.00006]	ND	[0.00505]	ND	[0.000065]	ND	[0.00505]	ND	[0.000058]	ND
	2-Chlorophenol	0.12	0.18	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	2-Methyl-4,6-dinitrophenol	--	--	[0.0257]	ND	--	--	[0.0266]	ND	--	--	[0.0255]	ND	--	--	[0.0253]	ND	--	--	[0.0253]	ND	--	--
	2-Methylnaphthalene	0.15	0.15	[0.00515]	ND	[0.0002]	ND	[0.0053]	ND	[0.00019]	ND	[0.0051]	ND	[0.0002]	ND	[0.00505]	ND	[0.00022]	ND	[0.00505]	ND	[0.00019]	ND
	2-Methylphenol	1.8	1.8	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	2-Nitroaniline	--	--	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	2-Nitrophenol	--	--	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	3 & 4 Methylphenol	--	--	[0.0103]	ND	[0.00078]	ND	[0.0107]	ND	[0.00078]	ND	[0.0102]	ND	[0.0008]	ND	[0.0101]	ND	[0.00086]	ND	[0.0101]	ND	[0.00077]	ND
	3,3'-Dichlorobenzidine	0.0019	0.0019	[0.00515]	ND	[0.002]	ND, QL	[0.0053]	ND	[0.0019]	ND, QL	[0.0051]	ND	[0.002]	ND, QL	[0.00505]	ND	[0.0022]	ND, QL	[0.00505]	ND	[0.0019]	ND, QL
	3-Nitroaniline	--	--	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	4,6-Dinitro-2-methylphenol	0.0134	--	--	--	[0.0039]	ND	--	--	[0.0039]	ND	--	--	[0.004]	ND	--	--	[0.0043]	ND	--	--	[0.0039]	ND
	4-Bromophenyl phenyl ether	--	--	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	4-Chloro-3-methylphenol	--	--	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	4-Chloroaniline	0.016	0.016	[0.00515]	ND	[0.00039]	ND, R	[0.0053]	ND	[0.00039]	ND, R	[0.0051]	ND	[0.0004]	ND, R	[0.00505]	ND	[0.00043]	ND, R	[0.00505]	ND	[0.00039]	ND, R
	4-Chlorophenyl phenyl ether	--	--	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	4-Nitroaniline	--	--	[0.00515]	ND	[0.00059]	ND	[0.0053]	ND	[0.00058]	ND	[0.0051]	ND	[0.0006]	ND	[0.00505]	ND	[0.00065]	ND	[0.00505]	ND	[0.00058]	ND
	4-Nitrophenol	--	--	[0.0257]	ND, QL	[0.0029]	ND	[0.0266]	ND	[0.0029]	ND	[0.0255]	ND	[0.003]	ND	[0.0253]	ND	[0.0032]	ND	[0.0253]	ND	[0.0029]	ND
	Acenaphthene	1.2	2.2	[0.00515]	ND	[0.000098]	ND	[0.0053]	ND	[0.000097]	ND	[0.0051]	ND	[0.0001]	ND	[0.00505]	ND	[0.00011]	ND	[0.00505]	ND	[0.000097]	ND
	Acenaphthylene	2.2	2.2	[0.00515]	ND	[0.000078]	ND	[0.0053]	ND	[0.000078]	ND	[0.0051]	ND	[0.00008]	ND	[0.00505]	ND	[0.000086]	ND	[0.00505]	ND	[0.000077]	ND
	Aniline	--	--	[0.0257]	ND	--	--	[0.0266]	ND	--	--	[0.0255]	ND	--	--	[0.0253]	ND	--	--	[0.0253]	ND	--	--
	Anthracene	9.6	11	[0.00515]	ND	[0.000039]	ND	[0.0053]	ND	[0.000039]	ND	[0.0051]	ND	[0.00004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.000039]	ND
	Azobenzene	--	--	[0.00515]	ND	--	--	[0.0053]	ND	--	--	[0.0051]	ND	--	--	[0.00505]	ND	--	--	[0.00505]	ND	--	--
	Benzo[a]anthracene	0.0012	0.0012	[0.00515]	ND	[0.000059]	ND	[0.0053]	ND	[0.000058]	ND	[0.0051]	ND	[0.00006]	ND	[0.00505]	ND	[0.000065]	ND	[0.00505]	ND	[0.000058]	ND
	Benzo[a]pyrene	0.0002	0.0002	[0.00515]	ND	[0.000039]	ND	[0.0053]	ND	[0.000039]	ND	[0.0051]	ND	[0.00004]	ND	[0.00505]	ND	[0.000043]	ND	[0.00505]	ND	[0.000039]	ND
	Benzo[b]fluoranthene	0.0012	0.0012	[0.00515]	ND	[0.000078]	ND	[0.0053]	ND	[0.000078]	ND	[0.0051]	ND	[0.00008]	ND	[0.00505]	ND	[0.000086]	ND	[0.00505]	ND	[0.000077]	ND
	Benzo[g,h,i]perylene	1.1	1.1	[0.00515]	ND	[0.000059]	ND	[0.0053]	ND	[0.000058]	ND	[0.0051]	ND	[0.00006]	ND	[0.00505]	ND	[0.000065]	ND	[0.00505]	ND	[0.000058]	ND
	Benzo[k]fluoranthene	0.012	0.012	[0.00515]	ND	[0.000059]	ND	[0.0053]	ND	[0.000058]	ND	[0.0051]	ND	[0.00006]	ND	[0.00505]	ND	[0.000065]	ND	[0.00505]	ND	[0.000058]	ND

Table 6
Summary of Analytical Results - Water Bearing Unit 1
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]															
				MW-27B				MW-39B				MW-50B				MW-74B				MW-82B			
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	4/19/2016 17:15		09/16/2016 16:55		4/21/16 14:00		09/19/2016 12:42		4/20/16 18:40		09/18/2016 09:41		04/21/2016 18:10		09/17/2016 12:41		04/20/2016 13:05		09/16/2016 13:31	
				Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
SW8270D SVOC	Benzoic acid	150	150	[0.0257]	ND, QL	[0.0029]	ND	[0.0266]	ND	[0.0029]	ND	[0.0255]	ND	[0.003]	ND	[0.0253]	ND	[0.0032]	ND	[0.0253]	ND	[0.0029]	ND
	Benzyl alcohol	--	--	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.0019]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	Bis(2chloro1methylethyl)Ether	--	--	[0.00515]	ND	--	--	[0.0053]	ND	--	--	[0.0051]	ND	--	--	[0.00505]	ND	--	--	[0.00505]	ND	--	--
	Bis(2-chloroethoxy)methane	--	--	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	Bis(2-chloroethyl)ether	0.00077	0.00077	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	Bis(2-ethylhexyl) phthalate	0.006	0.006	[0.00515]	ND	[0.0029]	ND	[0.0053]	ND	[0.0029]	ND	[0.0051]	ND	[0.003]	ND	[0.00505]	ND	**0.0077**	=	[0.00505]	ND	[0.0029]	ND
	bis(chloroisopropyl) ether	1.4	--	--	--	[0.00039]	ND	--	--	[0.00039]	ND	--	--	[0.0004]	ND	--	--	[0.00043]	ND	--	--	[0.00039]	ND
	Butyl benzyl phthalate	3	7.3	[0.00515]	ND	[0.00059]	ND	[0.0053]	ND	[0.00058]	ND	[0.0051]	ND	[0.0006]	ND	[0.00505]	ND	[0.00065]	ND	[0.00505]	ND	[0.00058]	ND
	Carbazole	0.043	0.043	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	Chrysene	0.12	0.12	[0.00515]	ND	[0.000039]	ND	[0.0053]	ND	[0.000039]	ND	[0.0051]	ND	[0.00004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.000039]	ND
	Dibenz(a,h)anthracene	0.00012	0.00012	[0.00515]	ND	[0.000059]	ND	[0.0053]	ND	[0.000058]	ND	[0.0051]	ND	[0.00006]	ND	[0.00505]	ND	[0.000065]	ND	[0.00505]	ND	[0.000058]	ND
	Dibenzofuran	0.073	0.073	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	Diethyl phthalate	23	29	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	Dimethyl phthalate	313	370	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	Di-n-butyl phthalate	2.7	3.7	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	Di-n-octyl phthalate	1.5	1.5	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	Fluoranthene	0.3	1.5	[0.00515]	ND	[0.000049]	ND	[0.0053]	ND	[0.000049]	ND	[0.0051]	ND	[0.00005]	ND	[0.00505]	ND	[0.000054]	ND	[0.00505]	ND	[0.000048]	ND
	Fluorene	1.3	1.5	[0.00515]	ND	[0.000059]	ND	[0.0053]	ND	[0.000058]	ND	[0.0051]	ND	[0.00006]	ND	[0.00505]	ND	[0.000065]	ND	[0.00505]	ND	[0.000058]	ND
	Hexachlorobenzene	0.001	0.001	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	Hexachlorobutadiene	0.0073	0.0073	[0.00515]	ND	[0.00059]	ND	[0.0053]	ND	[0.00058]	ND, QL	[0.0051]	ND	[0.0006]	ND	[0.00505]	ND	[0.00065]	ND	[0.00505]	ND	[0.00058]	ND
	Hexachlorocyclopentadiene	0.05	0.05	[0.0155]	ND	[0.002]	ND	[0.0159]	ND	[0.0019]	ND	[0.0153]	ND	[0.002]	ND	[0.0152]	ND	[0.0022]	ND	[0.0152]	ND	[0.0019]	ND
	Hexachloroethane	0.04	0.04	[0.00515]	ND	[0.00059]	ND	[0.0053]	ND	[0.00058]	ND	[0.0051]	ND	[0.0006]	ND	[0.00505]	ND	[0.00065]	ND	[0.00505]	ND	[0.00058]	ND
	Indeno[1,2,3-cd]pyrene	0.0012	0.0012	[0.00515]	ND	[0.000059]	ND	[0.0053]	ND	[0.000058]	ND	[0.0051]	ND	[0.00006]	ND	[0.00505]	ND	[0.000065]	ND	[0.00505]	ND	[0.000058]	ND
	Isophorone	0.9	0.9	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	Naphthalene	0.73	0.73	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	Nitrobenzene	0.017	0.018	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	N-Nitrosodimethylamine	--	0.000017	[0.00515]	ND	--	--	[0.0053]	ND	--	--	[0.0051]	ND	--	--	[0.00505]	ND	--	--	[0.00505]	ND	--	--
	N-Nitrosodi-n-propylamine	0.00012	0.00012	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	N-Nitrosodiphenylamine	0.17	0.17	[0.00515]	ND	[0.00039]	ND	[0.0053]	ND	[0.00039]	ND	[0.0051]	ND	[0.0004]	ND	[0.00505]	ND	[0.00043]	ND	[0.00505]	ND	[0.00039]	ND
	Pentachlorophenol	0.001	0.001	[0.0257]	ND	[0.00069]	ND	[0.0266]	ND	[0.00068]	ND	[0.0255]	ND	[0.0007]	ND	[0.0253]	ND	[0.00076]	ND	[0.0253]	ND	[0.00068]	ND
	Phenanthrene	11	11	[0.00515]	ND	[0.000078]	ND	[0.0053]	ND	[0.000078]	ND	[0.0051]	ND	[0.00008]	ND	[0.00505]	ND	[0.000086]	ND	[0.00505]	ND	[0.000077]	ND
	Phenol	11	11	[0.00515]	ND	[0.00059]	ND	[0.0053]	ND	[0.00058]	ND	[0.0051]	ND	[0.0006]	ND	[0.00505]	ND	[0.00065]	ND	[0.00505]	ND	[0.00058]	ND
	Pyrene	0.96	1.1	[0.00515]	ND	[0.000059]	ND	[0.0053]	ND	[0.000058]	ND	[0.0051]	ND	[0.00006]	ND	[0.00505]	ND	[0.000065]	ND	[0.00505]	ND	[0.000058]	ND

Notes:

1 - This screening level corresponds to ADEC groundwater cleanup levels from 18 AAC 75.345 Table C. Revised 5/8/2016
http://dec.alaska.gov/commish/regulations/pdfs/18%20aac%2075.pdf
2 - This screening level corresponds to the most conservative values within ADEC Water Quality Standards 18 AAC 70. Amended 2/19/2016.
https://dec.alaska.gov/commish/regulations/pdfs/18%20AAC%2070.pdf
3 - The field sample identification number and date collected are provided.
4 - For detected results, the sample result is listed in this column. For results of non-detect, the LOD is listed in [ ] in this column.
5 - ADEC Calculator: http://dec.alaska.gov/water/cruise_ships/gp/2010/zinc_rpa_stationary.xls
6 - May not exceed 5 NTUs above natural conditions (NC) when the natural turbidity is 50 NTU or less, and may not have more than
10% increase in turbidity when the natural turbidity is more than 50 NTU, not to exceed a maximum increase of 25 NTU. Turbidity screening
levels corresponds to ADEC Alaska General Permit AKG003000 for discharge of Aquifer Pump Test (Table 6).
http://dec.alaska.gov/water/wnpspc/stormwater/docs/AKG003000_Hydrostatic_GP_Permit.pdf
7 - Standards are specific to various factors, such as a receiving water body (e.g., freshwater or saltwater)
See ADEC Water Quality Criteria Manual for Toxic and other Deleterious Organic and Inorganic substances,
as amended through December 12, 2008, Appendices C through g.

Sample results exceeding the ADEC Table C Groundwater screening criteria are shown in (**BOLD** with yellow shading).
Analyte was not detected, but the LOD was above the screening level (light blue shading).
Detected concentrations listed in **BOLD**

Data Flags

=	Analyte detected at concentration listed in column to the left.
B	The reported concentration was less than five times that of the associated method blank and/or trip blank.
J	Result is considered an estimated value because the level is below the laboratory LOQ, but above the DL.
ND	Non-detect, LOD is in brackets [ ] in the concentration column.
MH, ML, MN	The quantitation was an estimate due to a quality control failure. Where applicable, a "H", "L", or "N" was used to indicate possible high, low, or unknown bias.
QH, QL, QN	The quantitation was an estimate due to a sample matrix quality control failure. Where applicable, a "H", "L", or "N" was used to indicate possible high, low, or unknown bias.
H	Holding Time Exceeded
U	Analyte was analyzed for but not detected
*	Lab Control Sample or Lab Control Sample Duplicate outside of acceptance limits

Abbreviations

--	Not applicable or screening criteria does not exist for this compound
AAC	Alaska Administrative Code
ADEC	Alaska Department of Environmental Conservation
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
PAH	Polycyclic Aromatic Hydrocarbon
SVOCs	Semi-volatile Organic Compounds
VOCs	Volatile Organic Compounds

Table 6
Summary of Analytical Results - Water Bearing Unit 1
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]															
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	MW-87B				MW-87B (Duplicate)				MW-138B		OW-1				OW-3			
				04/19/2016 14:02		09/18/2016 15:10		04/19/2016 14:02		09/18/2016 15:10		09/21/2016 10:25		08/10/2016 13:53		09/22/2016 11:19		08/10/2016 17:50		09/22/2016 14:58	
				Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
200.8 Metal, Dissolved	Aluminum, Dissolved	--	--	0.00239	=, B	**0.0137**	=, B	**0.00285**	=, B	**0.0125**	=, B	**0.0711**	=	**0.00123**	J,B	--	--	**0.00253**	J,B	--	--
	Antimony, Dissolved	--	--	[0.000025]	ND	**0.0000239**	J	[0.000025]	ND	**0.0000215**	J	**0.000255**	=	**0.000135**	=	--	--	**0.000377**	=	--	--
	Arsenic, Dissolved	0.01	--	0.00143	=	**0.00177**	=	**0.00132**	=	**0.00156**	=	[0.0004]	ND	**0.00127**	=	--	--	**0.00276**	=	--	--
	Barium, Dissolved	--	--	0.0411	=	**0.0373**	=	**0.041**	=	**0.04**	=	**0.0126**	=	**0.0824**	=	--	--	**0.0469**	=	--	--
	Beryllium, Dissolved	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**0.0000597**	=	[0.000025]	ND	--	--	[0.000025]	ND	--	--
	Bismuth, Dissolved	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--	[0.000025]	ND	--	--
	Boron, Dissolved	--	--	0.00563	=	**0.0058**	=	**0.00539**	=	**0.0059**	=	**0.00471**	J	**0.00423**	J,B	--	--	**0.00426**	J,B	--	--
	Cadmium, Dissolved [5]	0.06	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**0.0000986**	=	[0.000025]	ND	--	--	[0.000025]	ND	--	--
	Calcium, Dissolved	--	--	15.7	=	**14**	=	**15.6**	=	**14.5**	=	**5.69**	=	**24.1**	=	--	--	**15.9**	=	--	--
	Chromium, Dissolved	0.011	--	0.000783	=	**0.00242**	=	**0.000922**	=	**0.00217**	=	[0.00025]	ND	[0.00025]	ND	--	--	**0.0018**	=	--	--
	Cobalt, Dissolved	--	--	0.000384	=	**0.000467**	=	**0.000378**	=	**0.000473**	=	**0.0103**	=	**0.000161**	=	--	--	**0.000386**	=	--	--
	Copper, Dissolved [5]	0.00161	--	0.00523	=	**0.000232**	J, B	**0.00541**	=	**0.00022**	J, B	**0.00143**	J, B	**0.000262**	J	--	--	**0.000217**	J	--	--
	Iron, Dissolved	--	--	8.59	=	**7.73**	=	**8.6**	=	**8.2**	=	**0.14**	=	**5.95**	=	--	--	**6.2**	=	--	--
	Lead, Dissolved [5]	0.00027	--	[0.00005]	ND	[0.00005]	ND	[0.00005]	ND	**0.0000323**	J	**0.000437**	=	[0.00005]	ND	--	--	[0.00005]	ND	--	--
	Magnesium, Dissolved	--	--	6.23	=	**5.55**	=	**6.17**	=	**5.68**	=	**1.04**	=	**6.12**	=	--	--	**6.15**	=	--	--
	Manganese, Dissolved	--	--	0.366	=	**0.347**	=	**0.371**	=	**0.366**	=	**0.0996**	=	**0.957**	=	--	--	**0.45**	=	--	--
	Molybdenum, Dissolved	--	--	0.000433	=	**0.000499**	=	**0.000451**	=	**0.00048**	=	**0.000598**	=	**0.0003**	=	--	--	**0.000623**	=	--	--
	Nickel, Dissolved [5]	0.0095	--	0.003	=	**0.00756**	=	**0.00314**	=	**0.00747**	=	**0.0113**	=	**0.00228**	=	--	--	**0.0053**	=	--	--
	Potassium, Dissolved	--	--	2.19	=	**1.91**	=	**2.2**	=	**1.97**	=	**0.915**	=	**2.39**	=	--	--	**2.1**	=	--	--
	Selenium, Dissolved	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--
	Silicon, Dissolved	--	--	18.1	=, QH	**16.6**	=,QH	**18.2**	=, QH	**17.2**	=,QH	**12.9**	=	**14.1**	=	--	--	**16**	=	--	--
	Silver, Dissolved [5]	0.00011	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	--	--	[0.00001]	ND	--	--
	Sodium, Dissolved	--	--	8.24	=	**7.48**	=	**8.23**	=	**7.55**	=	**3.42**	=	**8.66**	=	--	--	**8.31**	=	--	--
	Thallium, Dissolved	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	**0.0000131**	J	[0.00001]	ND	--	--	[0.00001]	ND	--	--
	Tin, Dissolved	--	--	[0.0001]	ND	[0.0001]	ND	**0.000197**	J	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	--	--	[0.0001]	ND	--	--
	Vanadium, Dissolved	--	--	[0.0005]	ND	**0.000316**	J	[0.0005]	ND	**0.000413**	J	[0.0005]	ND	**0.000479**	J	--	--	**0.00179**	=	--	--
	Zinc, Dissolved [5]	0.02134	--	0.00077	J, B	**0.00509**	= , B	**0.000769**	J, B	**0.00562**	= , B	**0.02**	=, B	**0.00283**	J,B	--	--	**0.00301**	J,B	--	--
200.8 Metal, Total	Aluminum, Total	0.087	--	0.0272	=	**0.239**	=	**0.025**	=	**0.274**	=	**2.56**	=	**1.94**	=	--	--	**0.661**	=	--	--
	Antimony, Total	0.006	0.006	0.0000268	J	**0.0000487**	J	**0.0000209**	J	**0.0000504**	=	**0.00037**	=	**0.000362**	=	--	--	**0.000484**	=	--	--
	Arsenic, Total	0.01	0.01	0.00139	=	**0.00222**	=	**0.00162**	=	**0.00198**	=	**0.00222**	=	**0.00683**	=	**0.00131**	=	**0.00381**	=	**0.00336**	=
	Barium, Total	2	2	0.0412	=	**0.0415**	=	**0.0393**	=	**0.0412**	=	**0.0303**	=	**0.12**	=	--	--	**0.0564**	=	--	--
	Beryllium, Total	0.004	0.004	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**0.000132**	=	**0.0000615**	=	--	--	[0.000025]	ND	--	--
	Bismuth, Total	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**0.0000174**	J	**0.0000314**	J	--	--	[0.000025]	ND	--	--
	Boron, Total	0.75	--	0.00736	=	**0.00611**	=	**0.0071**	=	**0.00559**	=	**0.00493**	J	**0.00565**	B	--	--	**0.00449**	J,B	--	--
	Cadmium, Total	0.01	0.005	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**0.00012**	=	**0.0000507**	=	--	--	**0.0000229**	J	--	--
	Calcium, Total	--	--	15.4	=	**14.7**	=	**14.8**	=	**14**	=	**5.94**	=	**26.7**	=	--	--	**17.1**	=	--	--
	Chromium, Total	0.011	0.1	0.0012	=	**0.0354**	=	**0.0013**	=	**0.0372**	=	**0.00671**	=	**0.013**	=	--	--	**0.0171**	=	--	--
	Cobalt, Total	0.05	--	0.000405	=	**0.000888**	=	**0.000382**	=	**0.000894**	=	**0.0117**	=	**0.00113**	=	--	--	**0.000893**	=	--	--
	Copper, Total	0.0031	1	0.00383	=	**0.00219**	=	**0.00339**	=	**0.00257**	=	**0.00673**	=	**0.00854**	=	--	--	**0.00765**	=	--	--
	Iron, Total	1	--	8.4	=	**9.46**	=	**8.36**	=	**9.5**	=	**3.34**	=	**19.2**	=	--	--	**9.57**	=	--	--
	Lead, Total	0.0081	0.015	0.0000347	J	**0.000469**	=, MN	[0.00005]	ND	**0.000296**	=, MN	**0.00126**	=	**0.00146**	=	--	--	**0.000517**	=	--	--
	Magnesium, Total	--	--	5.68	=	**5.67**	=	**5.36**	=	**5.47**	=	**1.51**	=	**7.15**	=	--	--	**6.13**	=	--	--
	Manganese, Total	0.05	--	0.356	=	**0.37**	=	**0.34**	=	**0.367**	=	**0.125**	=	**1.04**	=	--	--	**0.496**	=	--	--
	Molybdenum, Total	0.01	--	0.000421	=	**0.0016**	=	**0.000415**	=	**0.00163**	=	**0.00152**	=	**0.000456**	=	--	--	**0.000982**	=	--	--
	Nickel, Total	0.0082	0.1	0.00265	=	**0.0258**	=	**0.00259**	=	**0.0249**	=	**0.0153**	=	**0.00664**	=	--	--	**0.0121**	=	--	--
	Potassium, Total	--	--	2.1	=	**1.94**	=	**2.05**	=	**1.92**	=	**1.18**	=	**2.92**	=	--	--	**2.16**	=	--	--
	Selenium, Total	0.005	0.05	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--
	Silver, Total	0.0019	0.1	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	**0.0000158**	J	--	--	[0.00001]	ND	--	--
	Sodium, Total	--	--	7.64	=	**7.5**	=	**7.18**	=	**7.38**	=	**3.47**	=	**9.82**	=	--	--	**7.92**	=	--	--
	Thallium, Total	0.0017	0.002	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	**0.0000285**	=	**0.0000131**	J	--	--	[0.00001]	ND	--	--
	Tin, Total	--	--	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	**0.000232**	=	**0.000104**	J	--	--	**0.0000623**	J	--	--
	Vanadium, Total	0.1	0.26	0.000443	J	**0.000377**	J	**0.000366**	J	**0.000844**	J	**0.00783**	=	**0.00587**	J,B	--	--	**0.00256**	J,B	--	--
	Zinc, Total	0.081	5	0.00122	J, B	**0.00614**	= , B	**0.00115**	J, B	**0.00709**	= , B	**0.0333**	=	**0.0158**	B	--	--	**0.00761**	B	--	--
EPA 1631 E, Dissolved	Mercury, Dissolved	0.00077	--	0.000000519	J	**0.000000514**	J	**0.000000768**	J	[0.0000005]	ND	**0.000000809**	J	**0.000000501**	J	--	--	**0.000000557**	J	--	--
EPA 1631 E, Total	Mercury, Total	0.00005	0.002	0.000000949	J	**0.00000118**	=	**0.000000581**	J	**0.000000926**	J	**0.0000104**	=	**0.00000716**	=	--	--	**0.00000215**	=	--	--
AK101	Gasoline Range Organics	2.2	2.2	[0.05]	ND	[0.05]	ND	[0.05]	ND	[0.05]	ND	[0.05]	ND	[0.05]	ND	--	--	[0.05]	ND	--	--
AK102	Diesel Range Organics	1.5	1.5	[0.283]	ND	**0.354**	J,B	[0.294]	ND	**0.389**	J,B	[0.3]	ND	[0.294]	ND	--	--	[0.283]	ND	--	--
AK103	Residual Range Organics	1.1	1.1	[0.236]	ND	[0.245]	ND	[0.245]	ND	[0.245]	ND	[0.25]	ND	**0.16**	J	--	--	**0.155**	J	--	--
EPA 300.0	Chloride	230	--	18.3	=	**17.5**	=	**18.3**	=	**17.5**	=	**4.07**	=	**28.9**	=	--	--	**14.4**	=	--	--
	Fluoride	1	--	0.06	J, QH	**0.115**	J	**0.06**	J, QH	**0.109**	J	**0.119**	J,B	**0.112**	J	--	--	**0.126**	J	--	--
	Nitrate-N	--	--	--	--	[0.05]	ND,QL	--	--	[0.05]	ND	**0.877**	=, QN	[0.1]	ND	--	--	[0.1]	ND	--	--
	Nitrite-N	--	--	--	--	[0.05]	ND,QL	--	--	[0.05]	ND	[0.05]	ND,QN	--	--	--	--	[0.1]	ND	--	--
	Sulfate	250	--	6.61	=	**5.91**	=	**6.61**	=	**5.91**	=	**8.34**	=	**3.48**	=	--	--	**5.29**	=	--	--
EPA 410.4	Chemical Oxygen Demand	--	--	--	--	--	--			--	--	**30.1**	=	--	--	--	--	--	--	--	--
SM21 2130B	Turbidity (NTU)	See Note 6	--	9.9	=	**6.9**	=	**9**	=	**5.6**	=	**16**	=	**110**	=	--	--	**26**	=	--	--
SM21 2320B	Alkalinity	<20000	--	55	=	**53.9**	=	**50.9**	=	**57.4**	=	**12**	=	**70.9**	=	--	--	**60**	=	--	--
SM21 2340B	Hardness as CaCO3	--	--	64.9	=	**57.8**	=	**64.3**	=	**59.6**	=	**18.5**	=	**85.5**	=	--	--	**65**	=	--	--
SM21 2540B	Total Solids	--	--	--	--	--	--	--	--	--	--	**76**	=	--	--	--	--	--	--	--	--
SM21 2540C	Total Dissolved Solids	500	--	125	=	**140**	=	**128**	=	**142**	=	**60**	=	**151**	=	--	--	**117**	=	--	--
SM21 2540D	Total Suspended Solids	--	--	8	=	**10.9**	=	**7.21**	=	**11.3**	=	**49.2**	=	**120**	=	--	--	**19.1**	=	--	--
SM21 4500-NH3 G	Ammonia-N	See Note 7	--	--	--	--	--	--	--	--	--	[0.05]	ND	--	--	--	--	--	--	--	--
SM21 4500-N D	Total Kjeldahl Nitrogen	--	--	--	--	--	--	--	--	--	--	[0.5]	ND	--	--	--	--	--	--	--	--
SM21 4500NO3-F	Nitrate-N	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	--	--	--	--	--	--	--	--	--	--
	Nitrite-N	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	--	--	--	--	--	--	--	--	--	--
SM21 4500P-B,E	Total Phosphorus	--	--	--	--	--	--	--	--	--	--	**0.0532**	=	--	--	--	--	--	--	--	--
	Ortho Phosphate-P	--	--	--	--	--	--	--	--	--	--	**0.0303**	=, B	--	--	--	--	--	--	--	--
SM21 5310B	Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	**2.68**	=	--	--	--	--	--	--	--	--
	Dissolved Organic Carbon	--	--	--	--	--	--	--	--	--	--	**1.77**	=	--	--	--	--	--	--	--	--
SM21 9222D	Fecal Coliform (Col/100mL)	1	--	--	--	--	--	--	--	--	--	[1.64]	ND	--	--	--	--	--	--	--	--
SM21 10200H	Chlorophyll A (mg/m^3)	--	--	--	--	--	--	--	--	--	--	[1.7]	ND	--	--	--	--	--	--	--	--

Table 6
Summary of Analytical Results - Water Bearing Unit 1
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]															
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	MW-87B				MW-87B (Duplicate)				MW-138B		OW-1				OW-3	
				04/19/2016 14:02		09/18/2016 15:10		04/19/2016 14:02		09/18/2016 15:10		09/21/2016 10:25		08/10/2016 13:53		09/22/2016 11:19		08/10/2016 17:50	09/22/2016 14:58
				Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
SW8082A PCB	Aroclor-1016	0.000014	0.0005	--	--	--	--	--	--	--	--	[0.000208]	ND	--	--	--	--	--	--	--	--	--	--
	Aroclor-1221	0.000014	0.0005	--	--	--	--	--	--	--	--	[0.00052]	ND	--	--	--	--	--	--	--	--	--	--
	Aroclor-1232	0.000014	0.0005	--	--	--	--	--	--	--	--	[0.000052]	ND	--	--	--	--	--	--	--	--	--	--
	Aroclor-1242	0.000014	0.0005	--	--	--	--	--	--	--	--	[0.000052]	ND	--	--	--	--	--	--	--	--	--	--
	Aroclor-1248	0.000014	0.0005	--	--	--	--	--	--	--	--	[0.000052]	ND	--	--	--	--	--	--	--	--	--	--
	Aroclor-1254	0.000014	0.0005	--	--	--	--	--	--	--	--	[0.000052]	ND	--	--	--	--	--	--	--	--	--	--
	Aroclor-1260	0.000014	0.0005	--	--	--	--	--	--	--	--	[0.000052]	ND	--	--	--	--	--	--	--	--	--	--
SW 8270D SIM (PESTICIDE)	4,4'-DDD	0.0035	0.0035	--	--	--	--	--	--	--	--	[0.0000155]	ND	--	--	--	--	--	--	--	--	--	--
	4,4'-DDE	0.0025	0.0025	--	--	--	--	--	--	--	--	[0.0000155]	ND	--	--	--	--	--	--	--	--	--	--
	4,4'-DDT	0.000001	0.0025	--	--	--	--	--	--	--	--	[0.0000155]	ND	--	--	--	--	--	--	--	--	--	--
	Aldrin	0.003	--	--	--	--	--	--	--	--	--	[0.0000155]	ND	--	--	--	--	--	--	--	--	--	--
	alpha-BHC	0.00014	0.00014	--	--	--	--	--	--	--	--	[0.0000155]	ND	--	--	--	--	--	--	--	--	--	--
	alpha-Chlordane	0.000004	0.002	--	--	--	--	--	--	--	--	[0.0000155]	ND	--	--	--	--	--	--	--	--	--	--
	beta-BHC	0.00047	0.00047	--	--	--	--	--	--	--	--	[0.0000155]	ND	--	--	--	--	--	--	--	--	--	--
	delta-BHC	--	--	--	--	--	--	--	--	--	--	[0.0000155]	ND	--	--	--	--	--	--	--	--	--	--
	Dieldrin	0.0000019	0.000053	--	--	--	--	--	--	--	--	[0.0000155]	ND	--	--	--	--	--	--	--	--	--	--
	Endosulfan I	0.0000087	0.22	--	--	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	--	--	--	--	--	--	--	--
	Endosulfan II	0.0000087	0.22	--	--	--	--	--	--	--	--	[0.0000155]	ND	--	--	--	--	--	--	--	--	--	--
	Endosulfan sulfate	0.11	--	--	--	--	--	--	--	--	--	[0.0000155]	ND	--	--	--	--	--	--	--	--	--	--
	Endrin	0.0000023	0.002	--	--	--	--	--	--	--	--	[0.0000155]	ND	--	--	--	--	--	--	--	--	--	--
	Endrin aldehyde	0.00076	--	--	--	--	--	--	--	--	--	[0.0000155]	ND	--	--	--	--	--	--	--	--	--	--
	Endrin ketone	--	--	--	--	--	--	--	--	--	--	[0.0000155]	ND	--	--	--	--	--	--	--	--	--	--
	gamma-BHC (Lindane)	0.00016	0.0002	--	--	--	--	--	--	--	--	[0.0000155]	ND	--	--	--	--	--	--	--	--	--	--
	gamma-Chlordane	0.000004	0.002	--	--	--	--	--	--	--	--	[0.0000155]	ND	--	--	--	--	--	--	--	--	--	--
	Heptachlor	0.0000036	0.0004	--	--	--	--	--	--	--	--	[0.0000155]	ND	--	--	--	--	--	--	--	--	--	--
	Heptachlor epoxide	0.0000036	0.0002	--	--	--	--	--	--	--	--	[0.0000155]	ND	--	--	--	--	--	--	--	--	--	--
	Methoxychlor	0.00003	0.04	--	--	--	--	--	--	--	--	[0.0000155]	ND	--	--	--	--	--	--	--	--	--	--
	Toxaphene	0.0000002	0.003	--	--	--	--	--	--	--	--	[0.00103]	ND	--	--	--	--	--	--	--	--	--	--
SW8011, LL VOC	1,2,3-Trichloropropane	0.00012	0.00012	--	--	[0.00002]	ND	--	--	[0.00002]	ND	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--
	1,2-Dibromoethane	0.00005	0.00005	--	--	[0.00002]	ND	--	--	[0.00002]	ND	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--
SW8260C VOC	1,1,1,2-Tetrachloroethane	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	--	--
	1,1,1-Trichloroethane	0.2	0.2	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--
	1,1,2,2-Tetrachloroethane	0.0043	0.0043	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	--	--
	1,1,2-Trichloroethane	0.005	0.005	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--
	1,1-Dichloroethane	7.3	7.3	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--
	1,1-Dichloroethene	0.007	0.007	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--
	1,1-Dichloropropene	--	--	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	1,2,3-Trichlorobenzene	--	--	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.002]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	1,2,3-Trichloropropane	0.00012	0.00012	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.002]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	1,2,4-Trichlorobenzene	0.07	0.07	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.001]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	1,2,4-Trimethylbenzene	1.8	1.8	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	1,2-Dibromo-3-Chloropropane	0.0002	--	[0.005]	ND	[0.01]	ND	[0.005]	ND	[0.01]	ND	[0.01]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--	--	--
	1,2-Dibromoethane	0.00005	0.00005	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.001]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	1,2-Dichlorobenzene	0.6	0.6	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.002]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	1,2-Dichloroethane	0.005	0.005	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	--	--
	1,2-Dichloropropane	0.005	0.005	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.001]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	1,3,5-Trimethylbenzene	1.8	1.8	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	1,3-Dichlorobenzene	0.4	3.3	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.002]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	1,3-Dichloropropane	--	--	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.001]	ND	[0.00025]	ND	--	--	[0.00025]	ND	--	--	--	--
	1,4-Dichlorobenzene	0.075	0.075	[0.00025]	ND	[0.004]	ND	[0.00025]	ND	[0.004]	ND	[0.004]	ND	[0.00025]	ND	--	--	[0.00025]	ND	--	--	--	--
	2,2-Dichloropropane	--	--	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	2-Butanone	22	22	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	[0.02]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--	--	--
	2-Chlorotoluene	--	--	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	2-Hexanone	--	--	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	[0.02]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--	--	--
	4-Chlorotoluene	--	--	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.002]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	4-Isopropyltoluene	--	--	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	4-Methyl-2-pentanone	2.9	2.9	[0.005]	ND	[0.015]	ND	[0.005]	ND	[0.015]	ND	[0.015]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--	--	--
	Acetone	--	--	--	--	[0.05]	ND	--	--	[0.05]	ND	[0.05]	ND	--	--	--	--	--	--	--	--	--	--
	Benzene	0.005	0.005	[0.0002]	ND	[0.002]	ND	[0.0002]	ND	[0.002]	ND	[0.002]	ND	[0.0002]	ND	--	--	[0.0002]	ND	--	--	--	--
	Bromobenzene	--	--	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.002]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	Bromochloromethane	--	--	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.002]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	Bromodichloromethane	0.014	0.014	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	[0.002]	ND	[0.00025]	ND	--	--	[0.00025]	ND	--	--	--	--
	Bromoform	0.08	0.11	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.001]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	Bromomethane	0.048	0.051	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--	--	--
	Carbon disulfide	3.7	3.7	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	[0.001]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--	--	--
	Carbon tetrachloride	0.005	0.005	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	Chlorobenzene	0.1	0.1	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	[0.002]	ND	[0.00025]	ND	--	--	[0.00025]	ND	--	--	--	--
	Chloroethane	0.29	0.29	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	Chloroform	0.08	0.14	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	Chloromethane	0.066	0.066	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	--	--
	cis-1,2-Dichloroethene	0.07	0.07	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--
	cis-1,3-Dichloropropene	0.0085	0.0085	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.001]	ND	[0.00025]	ND	--	--	[0.00025]	ND	--	--	--	--
	Dibromochloromethane	0.01	0.01	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.001]	ND	[0.00025]	ND	--	--	[0.00025]	ND	--	--	--	--
	Dibromomethane	0.37	0.37	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.001]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	Dichlorodifluoromethane	7.3	7.3	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.002]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	Ethylbenzene	0.7	0.7	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	--	--
	Freon-113	--	1100	[0.005]	ND	--	--	[0.005]	ND	--	--	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	--	--

Table 6
Summary of Analytical Results - Water Bearing Unit 1
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]															
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	MW-87B				MW-87B (Duplicate)				MW-138B		OW-1				OW-3			
				04/19/2016 14:02		09/18/2016 15:10		04/19/2016 14:02		09/18/2016 15:10		09/21/2016 10:25		08/10/2016 13:53		09/22/2016 11:19		08/10/2016 17:50		09/22/2016 14:58	
				Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
SW8260C VOC	Hexachlorobutadiene	0.0073	0.0073	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.002]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--
	Isopropylbenzene	3.7	3.7	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.002]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--
	Methylene Chloride	0.005	0.005	[0.0025]	ND	[0.005]	ND	[0.0025]	ND	[0.005]	ND	[0.005]	ND	[0.0025]	ND	--	--	[0.0025]	ND	--	--
	Methyl tert-butyl ether	0.47	0.47	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	[0.001]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--
	Naphthalene	0.73	0.73	[0.005]	ND	[0.002]	ND	[0.005]	ND	[0.002]	ND	[0.002]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--
	n-Butylbenzene	0.37	0.37	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--
	N-Propylbenzene	0.37	0.37	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--
	o-Xylene	10	10	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.002]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--
	P & M -Xylene	--	10	[0.001]	ND	[0.003]	ND	[0.001]	ND	[0.003]	ND	[0.003]	ND	[0.001]	ND			[0.001]	ND		
	sec-Butylbenzene	0.37	0.37	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--
	Styrene	0.1	0.1	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--
	t-Butylbenzene	0.37	0.37	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--
	Tetrachloroethene	0.005	0.005	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	Toluene	1	1	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.002]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--
	trans-1,2-Dichloroethene	0.1	0.1	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	trans-1,3-Dichloropropene	0.0085	0.0085	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.001]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--
	Trichloroethene	0.005	0.005	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	**0.00339**	=	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	Trichlorofluoromethane	11	11	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--
	Vinyl acetate	--	37	[0.005]	ND	--	--	[0.005]	ND	--	--	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--
	Vinyl chloride	0.002	0.002	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND
	Xylenes (total)	--	10	[0.0015]	ND	[0.005]	ND	[0.0015]	ND	[0.005]	ND	[0.005]	ND	[0.0015]	ND	[0.005]	ND	[0.0015]	ND	[0.005]	ND
EPA 625M SIM (PAH)	Acenaphthene	--	--	[0.0000256]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Acenaphthylene	--	--	[0.0000256]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Anthracene	--	--	[0.0000256]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo(a)Anthracene	--	--	[0.0000256]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo[a]pyrene	--	--	[0.0000103]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo[b]Fluoranthene	--	--	[0.0000256]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo[g,h,i]perylene	--	--	[0.0000256]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo[k]fluoranthene	--	--	[0.0000256]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Chrysene	--	--	[0.0000256]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Dibenzo[a,h]anthracene	--	--	[0.0000103]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Fluoranthene	--	--	[0.0000256]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Fluorene	--	--	[0.0000256]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Indeno[1,2,3-c,d] pyrene	--	--	[0.0000256]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Naphthalene	--	--	[0.0000515]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Phenanthrene	--	--	[0.0000256]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Pyrene	--	--	[0.0000256]	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW8270D SVOC	1,2,4-Trichlorobenzene	0.07	0.07	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	1,2-Dichlorobenzene	0.6	0.6	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	1,3-Dichlorobenzene	0.4	3.3	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	1,4-Dichlorobenzene	0.075	0.075	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	1-Chloronaphthalene	--	--	[0.00515]	ND	--	--	[0.0052]	ND	--	--	--	--	[0.0052]	ND	--	--	[0.00505]	ND	--	--
	1-Methylnaphthalene	0.15	0.15	[0.00515]	ND	[0.000058]	ND	[0.0052]	ND	[0.000058]	ND	[0.000058]	ND	[0.0052]	ND	[0.000059]	ND	[0.00505]	ND	[0.000059]	ND
	2,4,5-Trichlorophenol	2.6	3.7	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	2,4,6-Trichlorophenol	0.077	0.077	[0.00515]	ND	[0.00058]	ND	[0.0052]	ND	[0.00058]	ND	[0.00058]	ND	[0.0052]	ND	[0.00059]	ND	[0.00505]	ND	[0.00059]	ND
	2,4-Dichlorophenol	0.093	0.11	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	2,4-Dimethylphenol	0.54	0.73	[0.00515]	ND	[0.0019]	ND	[0.0052]	ND	[0.0019]	ND	[0.0019]	ND	[0.0052]	ND	[0.002]	ND	[0.00505]	ND	[0.002]	ND
	2,4-Dinitrophenol	0.07	0.073	[0.0256]	ND	[0.0049]	ND	[0.0261]	ND	[0.0049]	ND	[0.0048]	ND	[0.0261]	ND	[0.0049]	ND	[0.0253]	ND	[0.0049]	ND
	2,4-Dinitrotoluene	0.0013	0.0013	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	2,6-Dichlorophenol	--	--	[0.00515]	ND	--	--	[0.0052]	ND	--	--	--	--	[0.0052]	ND	--	--	[0.00505]	ND	--	--
	2,6-Dinitrotoluene	0.0013	0.0013	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	2-Chloronaphthalene	1.7	2.9	[0.00515]	ND	[0.000058]	ND	[0.0052]	ND	[0.000058]	ND	[0.000058]	ND	[0.0052]	ND	[0.000059]	ND	[0.00505]	ND	[0.000059]	ND
	2-Chlorophenol	0.12	0.18	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	2-Methyl-4,6-dinitrophenol	--	--	[0.0256]	ND	--	--	[0.0261]	ND	--	--	--	--	[0.0261]	ND	--	--	[0.0253]	ND	--	--
	2-Methylnaphthalene	0.15	0.15	[0.00515]	ND	[0.00019]	ND	[0.0052]	ND	[0.00019]	ND	[0.00019]	ND	[0.0052]	ND	[0.0002]	ND	[0.00505]	ND	[0.0002]	ND
	2-Methylphenol	1.8	1.8	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	2-Nitroaniline	--	--	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	2-Nitrophenol	--	--	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	3 & 4 Methylphenol	--	--	[0.0103]	ND	[0.00078]	ND	[0.0104]	ND	[0.00078]	ND	[0.00078]	ND	[0.0104]	ND	[0.00078]	ND	[0.0101]	ND	[0.00078]	ND
	3,3'-Dichlorobenzidine	0.0019	0.0019	[0.00515]	ND	[0.0019]	ND, QL	[0.0052]	ND	[0.0019]	ND, QL	[0.0019]	ND, R	[0.0052]	ND	[0.002]	ND, R	[0.00505]	ND	[0.002]	ND, R
	3-Nitroaniline	--	--	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	4,6-Dinitro-2-methylphenol	0.0134	--	--	--	[0.0039]	ND	--	--	[0.0039]	ND	[0.0039]	ND	--	--	[0.0039]	ND	--	--	[0.0039]	ND
	4-Bromophenyl phenyl ether	--	--	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	4-Chloro-3-methylphenol	--	--	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	4-Chloroaniline	0.016	0.016	[0.00515]	ND	[0.00039]	ND, R	[0.0052]	ND	[0.00039]	ND, R	[0.00039]	ND, R	[0.0052]	ND	[0.00039]	ND, R	[0.00505]	ND	[0.00039]	ND, R
	4-Chlorophenyl phenyl ether	--	--	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	4-Nitroaniline	--	--	[0.00515]	ND	[0.00058]	ND	[0.0052]	ND	[0.00058]	ND	[0.00058]	ND	[0.0052]	ND	[0.00059]	ND	[0.00505]	ND	[0.00059]	ND
	4-Nitrophenol	--	--	[0.0256]	ND, QL	[0.0029]	ND	[0.0261]	ND, QL	[0.0029]	ND	[0.0029]	ND	[0.0261]	ND	[0.0029]	ND	[0.0253]	ND	[0.0029]	ND
	Acenaphthene	1.2	2.2	[0.00515]	ND	[0.000097]	ND	[0.0052]	ND	[0.000097]	ND	[0.000097]	ND	[0.0052]	ND	[0.000098]	ND	[0.00505]	ND	[0.000098]	ND
	Acenaphthylene	2.2	2.2	[0.00515]	ND	[0.000078]	ND	[0.0052]	ND	[0.000078]	ND	[0.000078]	ND	[0.0052]	ND	[0.000078]	ND	[0.00505]	ND	[0.000078]	ND
	Aniline	--	--	[0.0256]	ND	--	--	[0.0261]	ND	--	--	--	--	[0.0261]	ND	--	--	[0.0253]	ND	--	--
	Anthracene	9.6	11	[0.00515]	ND	[0.000039]	ND	[0.0052]	ND	[0.000039]	ND	[0.000039]	ND	[0.0052]	ND	[0.000039]	ND	[0.00505]	ND	[0.000039]	ND
	Azobenzene	--	--	[0.00515]	ND	--	--	[0.0052]	ND	--	--	--	--	[0.0052]	ND	--	--	[0.00505]	ND	--	--
	Benzo[a]anthracene	0.0012	0.0012	[0.00515]	ND	[0.000058]	ND	[0.0052]	ND	[0.000058]	ND	[0.000058]	ND	[0.0052]	ND	[0.000059]	ND	[0.00505]	ND	[0.000059]	ND
	Benzo[a]pyrene	0.0002	0.0002	[0.00515]	ND	[0.000039]	ND	[0.0052]	ND	[0.000039]	ND	[0.000039]	ND	[0.0052]	ND	[0.000039]	ND	[0.00505]	ND	[0.000039]	ND
	Benzo[b]fluoranthene	0.0012	0.0012	[0.00515]	ND	[0.000078]	ND	[0.0052]	ND	[0.000078]	ND	[0.000078]	ND	[0.0052]	ND	[0.000078]	ND	[0.00505]	ND	[0.000078]	ND
	Benzo[g,h,i]perylene	1.1	1.1	[0.00515]	ND	[0.000058]	ND	[0.0052]	ND	[0.000058]	ND	[0.000058]	ND	[0.0052]	ND	[0.000059]	ND	[0.00505]	ND	[0.000059]	ND
	Benzo[k]fluoranthene	0.012	0.012	[0.00515]	ND	[0.000058]	ND	[0.0052]	ND	[0.000058]	ND	[0.000058]	ND	[0.0052]	ND	[0.000059]	ND	[0.00505]	ND	[0.000059]	ND

Table 6
Summary of Analytical Results - Water Bearing Unit 1
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]															
				MW-87B				MW-87B (Duplicate)				MW-138B		OW-1				OW-3	
				04/19/2016 14:02		09/18/2016 15:10		04/19/2016 14:02		09/18/2016 15:10		09/21/2016 10:25		08/10/2016 13:53		09/22/2016 11:19		08/10/2016 17:50	09/22/2016 14:58
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Conc.[4]	Flag
SW8270D SVOC	Benzoic acid	150	150	[0.0256]	ND, QL	[0.0029]	ND	[0.0261]	ND, QL	[0.0029]	ND	[0.0029]	ND	[0.0261]	ND	[0.0029]	ND	[0.0253]	ND	[0.0029]	ND
	Benzyl alcohol	--	--	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	Bis(2chloro1methylethyl)Ether	--	--	[0.00515]	ND	--	--	[0.0052]	ND	--	--	--	--	[0.0052]	ND	--	--	[0.00505]	ND	--	--
	Bis(2-chloroethoxy)methane	--	--	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	Bis(2-chloroethyl)ether	0.00077	0.00077	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	Bis(2-ethylhexyl) phthalate	0.006	0.006	[0.00515]	ND	[0.0029]	ND	[0.0052]	ND	[0.0029]	ND	[0.0029]	ND	[0.0052]	ND	[0.0029]	ND	[0.00505]	ND	[0.0029]	ND
	bis(chloroisopropyl) ether	1.4	--	--	--	[0.00039]	ND	--	--	[0.00039]	ND	[0.00039]	ND	--	--	[0.00039]	ND	--	--	[0.00039]	ND
	Butyl benzyl phthalate	3	7.3	[0.00515]	ND	[0.00058]	ND	[0.0052]	ND	[0.00058]	ND	[0.00058]	ND	[0.0052]	ND	[0.00059]	ND	[0.00505]	ND	[0.00059]	ND
	Carbazole	0.043	0.043	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	Chrysene	0.12	0.12	[0.00515]	ND	[0.000039]	ND	[0.0052]	ND	[0.000039]	ND	[0.000039]	ND	[0.0052]	ND	[0.000039]	ND	[0.00505]	ND	[0.000039]	ND
	Dibenz(a,h)anthracene	0.00012	0.00012	[0.00515]	ND	[0.000058]	ND	[0.0052]	ND	[0.000058]	ND	[0.000058]	ND	[0.0052]	ND	[0.000059]	ND	[0.00505]	ND	[0.000059]	ND
	Dibenzofuran	0.073	0.073	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	Diethyl phthalate	23	29	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	Dimethyl phthalate	313	370	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	Di-n-butyl phthalate	2.7	3.7	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	Di-n-octyl phthalate	1.5	1.5	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	Fluoranthene	0.3	1.5	[0.00515]	ND	[0.000049]	ND	[0.0052]	ND	[0.000049]	ND	[0.000048]	ND	[0.0052]	ND	[0.000049]	ND	[0.00505]	ND	[0.000049]	ND
	Fluorene	1.3	1.5	[0.00515]	ND	[0.000058]	ND	[0.0052]	ND	[0.000058]	ND	[0.000058]	ND	[0.0052]	ND	[0.000059]	ND	[0.00505]	ND	[0.000059]	ND
	Hexachlorobenzene	0.001	0.001	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	Hexachlorobutadiene	0.0073	0.0073	[0.00515]	ND	[0.00058]	ND	[0.0052]	ND	[0.00058]	ND	[0.00058]	ND, QL	[0.0052]	ND	[0.00059]	ND, QL	[0.00505]	ND	[0.00059]	ND, QL
	Hexachlorocyclopentadiene	0.05	0.05	[0.0154]	ND	[0.0019]	ND	[0.0157]	ND	[0.0019]	ND	[0.0019]	ND	[0.0157]	ND	[0.002]	ND	[0.0152]	ND	[0.002]	ND
	Hexachloroethane	0.04	0.04	[0.00515]	ND	[0.00058]	ND	[0.0052]	ND	[0.00058]	ND	[0.00058]	ND	[0.0052]	ND	[0.00059]	ND	[0.00505]	ND	[0.00059]	ND
	Indeno[1,2,3-cd]pyrene	0.0012	0.0012	[0.00515]	ND	[0.000058]	ND	[0.0052]	ND	[0.000058]	ND	[0.000058]	ND	[0.0052]	ND	[0.000059]	ND	[0.00505]	ND	[0.000059]	ND
	Isophorone	0.9	0.9	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	Naphthalene	0.73	0.73	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	Nitrobenzene	0.017	0.018	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	N-Nitrosodimethylamine	--	0.000017	[0.00515]	ND	--	--	[0.0052]	ND	--	--	--	--	[0.0052]	ND	--	--	[0.00505]	ND	--	--
	N-Nitrosodi-n-propylamine	0.00012	0.00012	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	N-Nitrosodiphenylamine	0.17	0.17	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND
	Pentachlorophenol	0.001	0.001	[0.0256]	ND	[0.00068]	ND	[0.0261]	ND	[0.00068]	ND	[0.00068]	ND	[0.0261]	ND	[0.00069]	ND	[0.0253]	ND	[0.00068]	ND
	Phenanthrene	11	11	[0.00515]	ND	[0.000078]	ND	[0.0052]	ND	[0.000078]	ND	[0.000078]	ND	[0.0052]	ND	[0.000078]	ND	[0.00505]	ND	[0.000078]	ND
	Phenol	11	11	[0.00515]	ND	[0.00058]	ND	[0.0052]	ND	[0.00058]	ND	[0.00058]	ND	[0.0052]	ND	[0.00059]	ND	[0.00505]	ND	[0.00059]	ND
	Pyrene	0.96	1.1	[0.00515]	ND	[0.000058]	ND	[0.0052]	ND	[0.000058]	ND	[0.000058]	ND	[0.0052]	ND	[0.000059]	ND	[0.00505]	ND	[0.000059]	ND

Notes:

1 - This screening level corresponds to ADEC groundwater cleanup levels from 18 AAC 75.345 Table C. Revised 5/8/2016
http://dec.alaska.gov/commish/regulations/pdfs/18%20aac%2075.pdf
2 - This screening level corresponds to the most conservative values within ADEC Water Quality Standards 18 AAC 70. Amended 2/19/2016.
https://dec.alaska.gov/commish/regulations/pdfs/18%20AAC%2070.pdf
3 - The field sample identification number and date collected are provided.
4 - For detected results, the sample result is listed in this column. For results of non-detect, the LOD is listed in [ ] in this column.
5 - ADEC Calculator: http://dec.alaska.gov/water/cruise_ships/gp/2010/zinc_rpa_stationary.xls
6 - May not exceed 5 NTUs above natural conditions (NC) when the natural turbidity is 50 NTU or less, and may not have more than 10% increase in turbidity when the natural turbidity is more than 50 NTU, not to exceed a maximum increase of 25 NTU. Turbidity screening levels corresponds to ADEC Alaska General Permit AKG003000 for discharge of Aquifer Pump Test (Table 6).
http://dec.alaska.gov/water/wnpspc/stormwater/docs/AKG003000_Hydrostatic_GP_Permit.pdf
7 - Standards are specific to various factors, such as a receiving water body (e.g., freshwater or saltwater)
See ADEC Water Quality Criteria Manual for Toxic and other Deleterious Organic and Inorganic substances, as amended through December 12, 2008, Appendices C through g.

Sample results exceeding the ADEC Table C Groundwater screening criteria are shown in (**BOLD** with yellow shading).
Analyte was not detected, but the LOD was above the screening level (light blue shading).
Detected concentrations listed in **BOLD**

Data Flags

=	Analyte detected at concentration listed in column to the left.
B	The reported concentration was less than five times that of the associated method blank and/or trip blank.
J	Result is considered an estimated value because the level is below the laboratory LOQ, but above the DL.
ND	Non-detect, LOD is in brackets [ ] in the concentration column.
MH, ML, MN	The quantitation was an estimate due to a quality control failure. Where applicable, a "H", "L", or "N" was used to indicate possible high, low, or unknown bias.
QH, QL, QN	The quantitation was an estimate due to a sample matrix quality control failure. Where applicable, a "H", "L", or "N" was used to indicate possible high, low, or unknown bias.
H	Holding Time Exceeded
U	Analyte was analyzed for but not detected
*	Lab Control Sample or Lab Control Sample Duplicate outside of acceptance limits

Abbreviations

--	Not applicable or screening criteria does not exist for this compound
AAC	Alaska Administrative Code
ADEC	Alaska Department of Environmental Conservation
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
PAH	Polycyclic Aromatic Hydrocarbon
SVOCs	Semi-volatile Organic Compounds
VOCs	Volatile Organic Compounds

Table 7
Summary of Analytical Results - Water Bearing Unit 2
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																			
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	MW-39A				MW-50A				MW-62A				MW-74A				MW-74A (Duplicate)		MW-82A			
				4/21/16 11:30		09/19/2016 10:31		4/20/16 16:25		09/18/2016 12:46		4/23/16 11:40		09/19/2016 15:03		04/22/2016 11:50		09/17/2016 10:37		04/22/2016 11:50		04/20/2016 11:05		09/16/2016 10:37	
				Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
200.8 Metal, Dissolved	Aluminum, Dissolved	--	--	**0.0049**	=, B	**0.0105**	=, B	**1.72**	=	**0.00338**	=, B	**0.00442**	=, B	**0.00981**	=, B	**0.00881**	=	**0.0356**	=	**--**	--	**0.123**	=	**0.00212**	=, B
	Antimony, Dissolved	--	--	**0.000048**	J	**0.0000406**	J	**0.000194**	=	**0.000153**	=	[0.000025]	ND	**0.0000385**	J	**0.0000412**	J	**0.0000801**	=	**--**	--	[0.000025]	ND	**0.000023**	J
	Arsenic, Dissolved	0.01	--	**0.025**	=	**0.0305**	=	**0.018**	=	**0.0167**	=	**0.0151**	=	**0.0156**	=	**0.0566**	=	**0.0488**	=	**--**	--	**0.00752**	=	**0.00787**	=
	Barium, Dissolved	--	--	**0.00951**	=	**0.00876**	=	**0.0374**	=	**0.0198**	=	**0.0147**	=	**0.0167**	=	**0.00394**	=, B	**0.00341**	=	**--**	--	**0.01**	=	**0.00907**	=
	Beryllium, Dissolved	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**--**	--	[0.000025]	ND	[0.000025]	ND
	Bismuth, Dissolved	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**--**	--	[0.000025]	ND	[0.000025]	ND
	Boron, Dissolved	--	--	**0.135**	=	**0.166**	=	**0.0207**	=	**0.0204**	=	**0.0341**	=	**0.0353**	=	**0.156**	=	**0.122**	=	**--**	--	**0.0123**	=	**0.0122**	=
	Cadmium, Dissolved [5]	0.06	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**--**	--	[0.000025]	ND	[0.000025]	ND
	Calcium, Dissolved	--	--	**10.5**	=	**9.68**	=	**28.7**	=	**24.9**	=	**14.3**	=	**16.1**	=	**3.69**	=	**2.93**	=	**--**	--	**19.3**	=	**18.5**	=
	Chromium, Dissolved	0.011	--	**0.00111**	=	**0.000299**	J	**0.00389**	=	[0.00025]	ND	**0.000792**	=	**0.000195**	J	**0.000688**	=	[0.00025]	ND	**--**	--	**0.000471**	J	[0.00025]	ND
	Cobalt, Dissolved	--	--	**0.0000832**	=	**0.0000534**	=	**0.00072**	=	**0.0000616**	=	**0.000086**	=	**0.000102**	=	**0.0000633**	=	**0.0000501**	=	**--**	--	**0.000101**	=	**0.0000357**	=
	Copper, Dissolved [5]	0.00161	--	**0.0002**	J	**0.000339**	J, B	**0.00359**	=	**0.000238**	J, B	[0.00025]	ND	**0.000251**	J, B	[0.00025]	ND	**0.000267**	J, B	**--**	--	**0.000392**	J	[0.00025]	ND
	Iron, Dissolved	--	--	**0.0373**	=	**0.0477**	=	**1.68**	=	**0.0253**	=	**0.0213**	=	**0.0264**	=	**0.0315**	=	**0.0606**	=	**--**	--	**0.168**	=	**0.0324**	=
	Lead, Dissolved [5]	0.00027	--	[0.00005]	ND	**0.0000423**	J	**0.00107**	=	[0.00005]	ND	[0.00005]	ND	[0.00005]	ND	[0.00005]	ND	**0.000033**	J	**--**	--	**0.0000706**	J	[0.00005]	ND
	Magnesium, Dissolved	--	--	**4.05**	=	**3.71**	=	**8.23**	=	**7.4**	=	**8.28**	=	**9.5**	=	**1.89**	=	**1.48**	=	**--**	--	**4.93**	=	**4.51**	=
	Manganese, Dissolved	--	--	**0.0613**	=	**0.0623**	=	**0.129**	=	**0.101**	=	**0.12**	=	**0.145**	=	**0.0254**	=	**0.0218**	=	**--**	--	**0.0937**	=	**0.0916**	=
	Molybdenum, Dissolved	--	--	**0.00186**	=	**0.00137**	=	**0.000898**	=	**0.000598**	=	**0.000596**	=	**0.000503**	=	**0.00199**	=	**0.00119**	=	**--**	--	**0.000696**	=	**0.000461**	=
	Nickel, Dissolved [5]	0.0095	--	**0.00183**	=	**0.000589**	J, B	**0.00335**	=	**0.000585**	J, B	**0.00105**	=	**0.00168**	=	**0.000954**	=	**0.000364**	J, B	**--**	--	**0.00114**	=	**0.000426**	J, B
	Potassium, Dissolved	--	--	**5.1**	=	**5.22**	=	**4.9**	=	**4.14**	=	**7.53**	=	**7.6**	=	**8.87**	=	**7.07**	=	**--**	--	**2.87**	=	**2.56**	=
	Selenium, Dissolved	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	**--**	--	[0.0005]	ND	[0.0005]	ND
	Silicon, Dissolved	--	--	**14.1**	=	**14.3**	=,QH	**19.3**	=, QH	**14.5**	=,QH	**14.9**	=, QH	**15.3**	=,QH	**13.9**	=	**11.5**	=,QH	**--**	--	**16.8**	=, QH	**15.1**	=,QH
	Silver, Dissolved [5]	0.00011	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	**--**	--	[0.00001]	ND	[0.00001]	ND
	Sodium, Dissolved	--	--	**21.2**	=	**30**	=	**7.72**	=	**7.16**	=	**5.32**	=	**5.8**	=	**33.3**	=	**31**	=	**--**	--	**5.27**	=	**4.69**	=
	Thallium, Dissolved	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	**--**	--	[0.00001]	ND	[0.00001]	ND
	Tin, Dissolved	--	--	[0.0001]	ND	[0.0001]	ND	**0.000268**	=	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	**--**	--	[0.0001]	ND	[0.0001]	ND
	Vanadium, Dissolved	--	--	**0.00062**	J	**0.000686**	J	**0.00416**	=	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	**0.00031**	J	**--**	--	[0.0005]	ND	[0.0005]	ND
	Zinc, Dissolved [5]	0.02134	--	[0.00155]	ND	**0.00461**	= , B	**0.00791**	=	**0.00436**	=, B	**0.00135**	J, B	**0.0054**	= , B	**0.000557**	J	**0.000941**	J,B	**--**	--	**0.00132**	J, B	**0.000551**	J, B
200.8 Metal, Total	Aluminum, Total	0.087	--	**1.75**	=	**0.088**	=	**10.5**	=	**0.664**	=	**0.523**	=	**0.802**	=	**1.71**	=	**1.42**	=	**--**	--	**0.781**	=	**2.16**	=
	Antimony, Total	0.006	0.006	**0.000171**	=	**0.000064**	=	**0.000513**	=	**0.000216**	=	**0.0000276**	J	**0.0000767**	=	**0.000128**	=	**0.000126**	=	**--**	--	**0.0000244**	J	**0.000111**	=
	Arsenic, Total	0.01	0.01	**0.0283**	=	**0.0269**	=	**0.023**	=	**0.0168**	=	**0.0169**	=	**0.0167**	=	**0.0634**	=	**0.0474**	=	**--**	--	**0.0077**	=	**0.00883**	=
	Barium, Total	2	2	**0.0456**	=	**0.0104**	=	**0.118**	=	**0.0265**	=	**0.0217**	=	**0.0242**	=	**0.0284**	=	**0.0165**	=	**--**	--	**0.0149**	=	**0.0212**	=
	Beryllium, Total	0.004	0.004	**0.00011**	=	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**0.0000694**	=	[0.000025]	ND	**--**	--	[0.000025]	ND	**0.0000332**	J
	Bismuth, Total	--	--	**0.0000429**	J	[0.000025]	ND	**0.0000947**	=	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**0.000032**	J	**0.000021**	J	**--**	--	[0.000025]	ND	**0.0000169**	J
	Boron, Total	0.75	--	**0.134**	=	**0.14**	=	**0.0274**	=	**0.0201**	=	**0.039**	=	**0.0363**	=	**0.17**	=	**0.123**	=	**--**	--	**0.013**	=	**0.0126**	=
	Cadmium, Total	0.01	0.005	**0.0000317**	J	[0.000025]	ND	**0.0000349**	J	[0.000025]	ND	[0.000025]	ND	**0.0000163**	J	**0.0000286**	J	**0.0000199**	J	**--**	--	[0.000025]	ND	**0.0000683**	=
	Calcium, Total	--	--	**11.7**	=	**9.86**	=	**31.8**	=	**25.6**	=	**16.6**	=	**16.4**	=	**4.97**	=	**3.67**	=	**--**	--	**19.8**	=	**19.5**	=
	Chromium, Total	0.011	0.1	**0.0237**	=	**0.00221**	=	**0.0246**	=	**0.00211**	=	**0.00431**	=	**0.048**	=	**0.0145**	=	**0.00792**	=	**--**	--	**0.00288**	=	**0.00407**	=
	Cobalt, Total	0.05	--	**0.00172**	=	**0.000137**	=	**0.00393**	=	**0.000425**	=	**0.000452**	=	**0.00095**	=	**0.00155**	=	**0.000902**	=	**--**	--	**0.000399**	=	**0.000957**	=
	Copper, Total	0.0031	1	**0.00868**	=	**0.00238**	=	**0.0198**	=	**0.00232**	=	**0.00136**	=	**0.0033**	=	**0.00635**	=	**0.00366**	=	**--**	--	**0.00145**	=	**0.00326**	=
	Iron, Total	1	--	**4.02**	=	**0.179**	=	**9.69**	=	**0.772**	=	**0.711**	=	**1.59**	=	**3.03**	=	**1.86**	=	**--**	--	**0.823**	=	**2.56**	=
	Lead, Total	0.0081	0.015	**0.00199**	=	**0.000336**	=	**0.00622**	=	**0.00058**	=	**0.000287**	=	**0.000424**	=	**0.00124**	=	**0.000804**	=	**--**	--	**0.000313**	=	**0.000937**	=
	Magnesium, Total	--	--	**5.19**	=	**3.66**	=	**11.6**	=	**7.82**	=	**9.37**	=	**9.82**	=	**3**	=	**1.98**	=	**--**	--	**5.21**	=	**5.29**	=
	Manganese, Total	0.05	--	**0.138**	=	**0.0619**	=	**0.374**	=	**0.129**	=	**0.145**	=	**0.181**	=	**0.0891**	=	**0.0611**	=	**--**	--	**0.109**	=	**0.136**	=
	Molybdenum, Total	0.01	--	**0.00351**	=	**0.00123**	=	**0.0015**	=	**0.000613**	=	**0.000892**	=	**0.0017**	=	**0.00313**	=	**0.00133**	=	**--**	--	**0.000745**	=	**0.000529**	=
	Nickel, Total	0.0082	0.1	**0.0147**	=	**0.00157**	=	**0.0161**	=	**0.00213**	=	**0.00433**	=	**0.0229**	=	**0.0101**	=	**0.00543**	=	**--**	--	**0.00256**	=	**0.00353**	=
	Potassium, Total	--	--	**5.77**	=	**5**	=	**6.63**	=	**4.13**	=	**8.56**	=	**7.8**	=	**10**	=	**7.31**	=	**--**	--	**2.98**	=	**2.82**	=
	Selenium, Total	0.005	0.05	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	**--**	--	[0.0005]	ND	[0.0005]	ND
	Silver, Total	0.0019	0.1	**0.0000164**	J	[0.00001]	ND	**0.0000457**	=, B	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	**0.0000237**	=	[0.00001]	ND	**--**	--	[0.00001]	ND	[0.00001]	ND
	Sodium, Total	--	--	**11.8**	=	**23.9**	=	**8.23**	=	**7.06**	=	**6.14**	=	**5.98**	=	**37.2**	=	**30.5**	=	**--**	--	**5.43**	=	**5.05**	=
	Thallium, Total	0.0017	0.002	**0.0000245**	=	[0.00001]	ND	**0.0000598**	=	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	**0.0000179**	J	**0.000009**	J	**--**	--	[0.00001]	ND	**0.0000084**	J
	Tin, Total	--	--	**0.000269**	=	**0.0000718**	J	**0.00148**	=	**0.000188**	J	[0.0001]	ND	**0.000123**	J	**0.000115**	J	[0.0001]	ND	**--**	--	**0.0000749**	J	**0.000156**	J
	Vanadium, Total	0.1	0.26	**0.00867**	=	**0.000888**	J	**0.0219**	=	**0.00176**	=	**0.00168**	=	**0.00175**	=	**0.00749**	=	**0.00355**	=	**--**	--	**0.00161**	=	**0.00419**	=
	Zinc, Total	0.081	5	**0.0122**	=	**0.00541**	= , B	**0.0451**	=	**0.00638**	= , B	**0.00872**	=	**0.0157**	= , B	**0.0136**	=	**0.0103**	= , B	**--**	--	**0.00703**	=	**0.0475**	= , B
EPA 1631 E, Dissolved	Mercury, Dissolved	0.00077	--	[0.0000005]	ND	[0.0000005]	ND	**0.00000215**	=	[0.0000005]	ND	**0.00000513**	J, B	[0.0000005]	ND	**0.00000547**	J, B	**0.00000055**	J	**--**	--	**0.000000579**	=	[0.0000005]	ND
EPA 1631 E, Total	Mercury, Total	0.00005	0.002	**0.00000543**	=	**0.00000115**	=	**0.00000922**	=	**0.00000192**	=	**0.00000144**	=, B	**0.00000172**	=	**0.0000049**	=, B	**0.00000424**	=	**--**	--	**0.00000131**	=	**0.00000436**	=
AK101	Gasoline Range Organics	2.2	2.2	**0.0539**	J, B	[0.05]	ND	[0.05]	ND	[0.05]	ND	[0.05]	ND	[0.05]	ND	[0.05]	ND	[0.05]	ND	**--**	--	[0.05]	ND	[0.05]	ND
AK102	Diesel Range Organics	1.5	1.5	[0.288]	ND	**0.383**	J,B	[0.283]	ND	**0.447**	J,B	[0.288]	ND	**0.437**	J,B	[0.288]	ND	**0.287**	J, B	**--**	--	[0.283]	ND	**0.314**	J, B
AK103	Residual Range Organics	1.1	1.1	[0.24]	ND	[0.25]	ND	[0.236]	ND	[0.25]	ND	[0.24]	ND	[0.256]	ND	**0.352**	J	[0.25]	ND	**--**	--	[0.236]	ND	[0.252]	ND
EPA 300.0	Chloride	230	--	**4.66**	=	**4.55**	=	**7.6**	=	**7.63**	=	**5.39**	=	**5.74**	=	**4.33**	=	**4.22**	=	**--**	--	**9.29**	=	**9.05**	=
	Fluoride	1	--	**0.222**	=	**0.22**	=	**0.082**	J, QH	**0.13**	J	**0.086**	J	**0.134**	J	**0.193**	=	**0.218**	=	**--**	--	**0.089**	J, QH	**0.133**	J
	Nitrate-N	--	--	**--**	--	[0.05]	ND	**--**	--	[0.05]	ND	**--**	--	[0.05]	ND	**--**	--	[0.1]	ND	**--**	--	**--**	--	[0.1]	ND
	Nitrite-N	--	--	**--**	--	[0.05]	ND	**--**	--	**0.0476**	J,B	**--**	--	[0.05]	ND	**--**	--	[0.1]	ND	**--**	--	**--**	--	[0.1]	ND
	Sulfate	250	--	**2.22**	=	**1.9**	=	**4.55**	=	**4.97**	=	**3.39**	=	**4.18**	=	**1.24**	=	**1.25**	=	**--**	--	**2.31**	=	**2.48**	=
EPA 410.4	Chemical Oxygen Demand	--	--	**--**	--	**--**	--			**--**	--	**--**	--	**--**	--	**--**	--	**--**	--			**--**	--	**--**	--
SM21 2130B	Turbidity (NTU)	See Note 6	--	**60**	=	**1.8**	=	**170**	=	**9**	=	**4.4**	=	**15**	=	**15**	=	**38**	=	**--**	--	**6.6**	=	**34**	=
SM21 2320B	Alkalinity	<20000	--	**93.4**	=	**87.3**	=	**97.4**	=	**106**	=	**76.3**	=	**90.5**	=	**81.8**	=	**89.9**	=	**--**	--	**61.3**	=	**70.3**	=
SM21 2340B	Hardness as CaCO3	--	--	**42.9**	=	**39.4**	=	**105**	=	**92.8**	=	**69.7**	=	**79.3**	=	**17**	=	**13.4**	=	**--**	--	**68.5**	=	**64.7**	=
SM21 2540B	Total Solids	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--
SM21 2540C	Total Dissolved Solids	500	--	**173**	=	**129**	=	**158**	=	**164**	=	**125**	=	**124**	=	**131**	=	**141**	=	**--**	--	**121**	=	**144**	=
SM21 2540D	Total Suspended Solids	--	--	**82.5**	=	**2.34**	=	**170**	=	**25.3**	=	**41.1**	=	**110**	=	**24.7**	=	**78.3**	=	**21.3**	=	**13.1**	=	**55.1**	=
SM21 4500-NH3 G	Ammonia-N	See Note 7	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--
SM21 4500-N D	Total Kjeldahl Nitrogen	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--
SM21 4500NO3-F	Nitrate-N	--	--	**0.0786**	J, B	**--**	--	**0.0486**	J, B	**--**	--	[0.05]	ND, QL	**--**	--	[0.05]	ND, QL	**--**	--	**--**	--	**0.0452**	J, B	**--**	--
	Nitrite-N	--	--	**0.034**	J	**--**	--	[0.05]	ND	**--**	--	**0.056**	J, QL	**--**	--	[0.05]	ND, QL	**--**	--	**--**	--	[0.05]	ND	**--**	--
SM21 4500P-B,E	Total Phosphorus	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--
	Ortho Phosphate-P	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--
SM21 5310B	Total Organic Carbon	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--
	Dissolved Organic Carbon	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--
SM21 9222D	Fecal Coliform (Col/100mL)	1	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--
SM21 10200H	Chlorophyll A (mg/m^3)	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--

Table 7
Summary of Analytical Results - Water Bearing Unit 2
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																			
				MW-39A				MW-50A				MW-62A				MW-74A				MW-74A (Duplicate)		MW-82A			
				4/21/16 11:30		09/19/2016 10:31		4/20/16 16:25		09/18/2016 12:46		4/23/16 11:40		09/19/2016 15:03		04/22/2016 11:50		09/17/2016 10:37		04/22/2016 11:50		04/20/2016 11:05		09/16/2016 10:37	
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
SW8082A PCB	Aroclor-1016	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1221	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1232	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1242	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1248	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1254	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1260	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW 8270D SIM (PESTICIDE)	4,4'-DDD	0.0035	0.0035	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4,4'-DDE	0.0025	0.0025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4,4'-DDT	0.000001	0.0025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aldrin	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	alpha-BHC	0.00014	0.00014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	alpha-Chlordane	0.000004	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	beta-BHC	0.00047	0.00047	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	delta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Dieldrin	0.0000019	0.000053	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endosulfan I	0.0000087	0.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endosulfan II	0.0000087	0.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endosulfan sulfate	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin	0.0000023	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin aldehyde	0.00076	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin ketone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	gamma-BHC (Lindane)	0.00016	0.0002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	gamma-Chlordane	0.000004	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Heptachlor	0.0000036	0.0004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Heptachlor epoxide	0.0000036	0.0002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Methoxychlor	0.00003	0.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Toxaphene	0.0000002	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW8011, LL VOC	1,2,3-Trichloropropane	0.00012	0.00012	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	--	--	--	--	--	--	[0.00002]	ND
	1,2-Dibromoethane	0.00005	0.00005	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	--	--	--	--	--	--	[0.00002]	ND
SW8260C VOC	1,1,1,2-Tetrachloroethane	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	--	--	[0.00025]	ND	--	--
	1,1,1-Trichloroethane	0.2	0.2	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.0005]	ND	[0.003]	ND
	1,1,2,2-Tetrachloroethane	0.0043	0.0043	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	--	--	[0.00025]	ND	[0.001]	ND
	1,1,2-Trichloroethane	0.005	0.005	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.0005]	ND	[0.001]	ND
	1,1-Dichloroethane	7.3	7.3	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.0005]	ND	[0.002]	ND
	1,1-Dichloroethene	0.007	0.007	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.0005]	ND	[0.002]	ND
	1,1-Dichloropropene	--	--	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.0005]	ND	[0.003]	ND
	1,2,3-Trichlorobenzene	--	--	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.0005]	ND	[0.002]	ND
	1,2,3-Trichloropropane	0.00012	0.00012	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.0005]	ND	[0.002]	ND
	1,2,4-Trichlorobenzene	0.07	0.07	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.0005]	ND	[0.001]	ND
	1,2,4-Trimethylbenzene	1.8	1.8	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.0005]	ND	[0.003]	ND
	1,2-Dibromo-3-Chloropropane	0.0002	--	[0.005]	ND	[0.01]	ND	[0.005]	ND	[0.01]	ND	[0.005]	ND	[0.01]	ND	[0.005]	ND	[0.01]	ND	--	--	[0.005]	ND	[0.01]	ND
	1,2-Dibromoethane	0.00005	0.00005	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.0005]	ND	[0.001]	ND
	1,2-Dichlorobenzene	0.6	0.6	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.0005]	ND	[0.002]	ND
	1,2-Dichloroethane	0.005	0.005	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	--	--	[0.00025]	ND	[0.001]	ND
	1,2-Dichloropropane	0.005	0.005	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.0005]	ND	[0.001]	ND
	1,3,5-Trimethylbenzene	1.8	1.8	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.0005]	ND	[0.003]	ND
	1,3-Dichlorobenzene	0.4	3.3	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.0005]	ND	[0.002]	ND
	1,3-Dichloropropane	--	--	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	--	--	[0.00025]	ND	[0.001]	ND
	1,4-Dichlorobenzene	0.075	0.075	[0.00025]	ND	[0.004]	ND	[0.00025]	ND	[0.004]	ND	[0.00025]	ND	[0.004]	ND	[0.00025]	ND	[0.004]	ND	--	--	[0.00025]	ND	[0.004]	ND
	2,2-Dichloropropane	--	--	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.0005]	ND	[0.003]	ND
	2-Butanone	22	22	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	--	--	[0.005]	ND	[0.02]	ND
	2-Chlorotoluene	--	--	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.0005]	ND	[0.003]	ND
	2-Hexanone	--	--	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	--	--	[0.005]	ND	[0.02]	ND
	4-Chlorotoluene	--	--	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.0005]	ND	[0.002]	ND
	4-Isopropyltoluene	--	--	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.0005]	ND	[0.003]	ND
	4-Methyl-2-pentanone	2.9	2.9	[0.005]	ND	[0.015]	ND	[0.005]	ND	[0.015]	ND	[0.005]	ND	[0.015]	ND	[0.005]	ND	[0.015]	ND	--	--	[0.005]	ND	[0.015]	ND
	Acetone	--	--	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	--	--	[0.05]	ND
	Benzene	0.005	0.005	[0.0002]	ND	[0.002]	ND	[0.0002]	ND	[0.002]	ND	[0.0002]	ND	[0.002]	ND	[0.0002]	ND	[0.002]	ND	--	--	[0.0002]	ND	[0.002]	ND
	Bromobenzene	--	--	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.0005]	ND	[0.002]	ND
	Bromochloromethane	--	--	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.0005]	ND	[0.002]	ND
	Bromodichloromethane	0.014	0.014	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	--	--	[0.00025]	ND	[0.002]	ND
	Bromoform	0.08	0.11	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.0005]	ND	[0.001]	ND
	Bromomethane	0.048	0.051	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.005]	ND
	Carbon disulfide	3.7	3.7	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	--	--	[0.005]	ND	[0.001]	ND
	Carbon tetrachloride	0.005	0.005	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.0005]	ND	[0.003]	ND
	Chlorobenzene	0.1	0.1	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	--	--	[0.00025]	ND	[0.002]	ND
	Chloroethane	0.29	0.29	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	--	--	[0.0005]	ND	[0.005]	ND
	Chloroform	0.08	0.14	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	--	--	[0.0005]	ND	[0.005]	ND
	Chloromethane	0.066	0.066	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	--	--	[0.0005]	ND	[0.005]	ND
	cis-1,2-Dichloroethene	0.07	0.07	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.0005]	ND	[0.001]	ND
	cis-1,3-Dichloropropene	0.0085	0.0085	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	--	--	[0.00025]	ND	[0.001]	ND
	Dibromochloromethane	0.01	0.01	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	--	--	[0.00025]	ND	[0.001]	ND
	Dibromomethane	0.37	0.37	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.0005]	ND	[0.001]	ND
	Dichlorodifluoromethane	7.3	7.3	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.0005]	ND	[0.002]	ND
	Ethylbenzene	0.7	0.7	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.0005]	ND	[0.003]	ND
	Freon-113	--	1100	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	--	--	[0.005]	ND	--	--

Table 7
Summary of Analytical Results - Water Bearing Unit 2
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																			
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	MW-39A				MW-50A				MW-62A				MW-74A				MW-74A (Duplicate)		MW-82A			
				4/21/16 11:30		09/19/2016 10:31		4/20/16 16:25		09/18/2016 12:46		4/23/16 11:40		09/19/2016 15:03		04/22/2016 11:50		09/17/2016 10:37		04/22/2016 11:50		04/20/2016 11:05		09/16/2016 10:37	
				Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
SW8260C VOC	Hexachlorobutadiene	0.0073	0.0073	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.0005]	ND	[0.002]	ND
	Isopropylbenzene	3.7	3.7	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.0005]	ND	[0.002]	ND
	Methylene Chloride	0.005	0.005	[0.0025]	ND	[0.005]	ND	[0.0025]	ND	[0.005]	ND	[0.0025]	ND	[0.005]	ND	[0.0025]	ND	[0.005]	ND	--	--	[0.0025]	ND	[0.005]	ND
	Methyl tert-butyl ether	0.47	0.47	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	--	--	[0.005]	ND	[0.001]	ND
	Naphthalene	0.73	0.73	[0.005]	ND	[0.002]	ND	[0.005]	ND	[0.002]	ND	[0.005]	ND	[0.002]	ND	[0.005]	ND	[0.002]	ND	--	--	[0.005]	ND	[0.002]	ND
	n-Butylbenzene	0.37	0.37	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.0005]	ND	[0.003]	ND
	N-Propylbenzene	0.37	0.37	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.0005]	ND	[0.003]	ND
	o-Xylene	10	10	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.0005]	ND	[0.002]	ND
	P.& M -Xylene	--	10	[0.001]	ND	[0.003]	ND	[0.001]	ND	[0.003]	ND	[0.001]	ND	[0.003]	ND	[0.001]	ND	[0.003]	ND	--	--	[0.001]	ND	[0.003]	ND
	sec-Butylbenzene	0.37	0.37	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.0005]	ND	[0.003]	ND
	Styrene	0.1	0.1	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	--	--	[0.0005]	ND	[0.005]	ND
	t-Butylbenzene	0.37	0.37	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.0005]	ND	[0.003]	ND
	Tetrachloroethene	0.005	0.005	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.0005]	ND	[0.003]	ND
	Toluene	1	1	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.0005]	ND	[0.002]	ND
	trans-1,2-Dichloroethene	0.1	0.1	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.0005]	ND	[0.003]	ND
	trans-1,3-Dichloropropene	0.0085	0.0085	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.0005]	ND	[0.001]	ND
	Trichloroethene	0.005	0.005	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.0005]	ND	[0.003]	ND
	Trichlorofluoromethane	11	11	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.0005]	ND	[0.003]	ND
	Vinyl acetate	--	37	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	--	--	[0.005]	ND	--	--
	Vinyl chloride	0.002	0.002	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.0005]	ND	[0.001]	ND
	Xylenes (total)	--	10	[0.0015]	ND	[0.005]	ND	[0.0015]	ND	[0.005]	ND	[0.0015]	ND	[0.005]	ND	[0.0015]	ND	[0.005]	ND	--	--	[0.0015]	ND	[0.005]	ND
EPA 625M SIM (PAH)	Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo(a)Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo[a]pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo[b]Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo[g,h,i]perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo[k]fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Dibenzo[a,h]anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Indeno[1,2,3-c,d] pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW8270D SVOC	1,2,4-Trichlorobenzene	0.07	0.07	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	1,2-Dichlorobenzene	0.6	0.6	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	1,3-Dichlorobenzene	0.4	3.3	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	1,4-Dichlorobenzene	0.075	0.075	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	1-Chloronaphthalene	--	--	[0.0051]	ND	--	--	[0.0053]	ND	--	--	[0.00505]	ND	--	--	[0.0052]	ND	--	--	--	--	[0.0051]	ND	--	--
	1-Methylnaphthalene	0.15	0.15	[0.0051]	ND	[0.00006]	ND	[0.0053]	ND	[0.000058]	ND	[0.00505]	ND	[0.000058]	ND	[0.0052]	ND	[0.000057]	ND	--	--	[0.0051]	ND	[0.000057]	ND
	2,4,5-Trichlorophenol	2.6	3.7	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	2,4,6-Trichlorophenol	0.077	0.077	[0.0051]	ND	[0.0006]	ND	[0.0053]	ND	[0.00058]	ND	[0.00505]	ND	[0.00058]	ND	[0.0052]	ND	[0.00057]	ND	--	--	[0.0051]	ND	[0.00057]	ND
	2,4-Dichlorophenol	0.093	0.11	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	2,4-Dimethylphenol	0.54	0.73	[0.0051]	ND	[0.002]	ND	[0.0053]	ND	[0.0019]	ND	[0.00505]	ND	[0.0019]	ND	[0.0052]	ND	[0.0019]	ND	--	--	[0.0051]	ND	[0.0019]	ND
	2,4-Dinitrophenol	0.07	0.073	[0.0255]	ND	[0.005]	ND	[0.0265]	ND	[0.0048]	ND	[0.0253]	ND	[0.0048]	ND	[0.0261]	ND	[0.0048]	ND	--	--	[0.0255]	ND	[0.0048]	ND
	2,4-Dinitrotoluene	0.0013	0.0013	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	2,6-Dichlorophenol	--	--	[0.0051]	ND	--	--	[0.0053]	ND	--	--	[0.00505]	ND	--	--	[0.0052]	ND	--	--	--	--	[0.0051]	ND	--	--
	2,6-Dinitrotoluene	0.0013	0.0013	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	2-Chloronaphthalene	1.7	2.9	[0.0051]	ND	[0.00006]	ND	[0.0053]	ND	[0.000058]	ND	[0.00505]	ND	[0.000058]	ND	[0.0052]	ND	[0.000057]	ND	--	--	[0.0051]	ND	[0.000057]	ND
	2-Chlorophenol	0.12	0.18	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	2-Methyl-4,6-dinitrophenol	--	--	[0.0255]	ND	--	--	[0.0265]	ND	--	--	[0.0253]	ND	--	--	[0.0261]	ND	--	--	--	--	[0.0255]	ND	--	--
	2-Methylnaphthalene	0.15	0.15	[0.0051]	ND	[0.0002]	ND	[0.0053]	ND	[0.00019]	ND	[0.00505]	ND	[0.00019]	ND	[0.0052]	ND	[0.00019]	ND	--	--	[0.0051]	ND	[0.00019]	ND
	2-Methylphenol	1.8	1.8	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	2-Nitroaniline	--	--	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	2-Nitrophenol	--	--	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	3 & 4 Methylphenol	--	--	[0.0102]	ND	[0.0008]	ND	[0.0106]	ND	[0.00077]	ND	[0.0101]	ND	[0.00077]	ND	[0.0104]	ND	[0.00077]	ND	--	--	[0.0102]	ND	[0.00076]	ND
	3,3'-Dichlorobenzidine	0.0019	0.0019	[0.0051]	ND	[0.002]	ND, QL	[0.0053]	ND	[0.0019]	ND, QL	[0.00505]	ND	[0.0019]	ND, QL	[0.0052]	ND	[0.0019]	ND, QL	--	--	[0.0051]	ND	[0.0019]	ND, QL
	3-Nitroaniline	--	--	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	4,6-Dinitro-2-methylphenol	0.0134	--	--	--	[0.004]	ND	--	--	[0.0038]	ND	--	--	[0.0039]	ND	--	--	[0.0038]	ND	--	--	--	--	[0.0038]	ND
	4-Bromophenyl phenyl ether	--	--	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	4-Chloro-3-methylphenol	--	--	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	4-Chloroaniline	0.016	0.016	[0.0051]	ND	[0.0004]	ND, R	[0.0053]	ND	[0.00038]	ND, R	[0.00505]	ND	[0.00039]	ND, R	[0.0052]	ND	[0.00038]	ND, R	--	--	[0.0051]	ND	[0.00038]	ND, R
	4-Chlorophenyl phenyl ether	--	--	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	4-Nitroaniline	--	--	[0.0051]	ND	[0.0006]	ND	[0.0053]	ND	[0.00058]	ND	[0.00505]	ND	[0.00058]	ND	[0.0052]	ND	[0.00057]	ND	--	--	[0.0051]	ND	[0.00057]	ND
	4-Nitrophenol	--	--	[0.0255]	ND	[0.003]	ND	[0.0265]	ND	[0.0029]	ND	[0.0253]	ND	[0.0029]	ND	[0.0261]	ND	[0.0029]	ND	--	--	[0.0255]	ND	[0.0029]	ND
	Acenaphthene	1.2	2.2	[0.0051]	ND	[0.0001]	ND	[0.0053]	ND	[0.000096]	ND	[0.00505]	ND	[0.000096]	ND	[0.0052]	ND	[0.000096]	ND	--	--	[0.0051]	ND	[0.000095]	ND
	Acenaphthylene	2.2	2.2	[0.0051]	ND	[0.00008]	ND	[0.0053]	ND	[0.000077]	ND	[0.00505]	ND	[0.000077]	ND	[0.0052]	ND	[0.000077]	ND	--	--	[0.0051]	ND	[0.000076]	ND
	Aniline	--	--	[0.0255]	ND	--	--	[0.0265]	ND	--	--	[0.0253]	ND	--	--	[0.0261]	ND	--	--	--	--	[0.0255]	ND	--	--
	Anthracene	9.6	11	[0.0051]	ND	[0.00004]	ND	[0.0053]	ND	[0.000038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.000038]	ND	--	--	[0.0051]	ND	[0.000038]	ND
	Azobenzene	--	--	[0.0051]	ND	--	--	[0.0053]	ND	--	--	[0.00505]	ND	--	--	[0.0052]	ND	--	--	--	--	[0.0051]	ND	--	--
	Benzo[a]anthracene	0.0012	0.0012	[0.0051]	ND	[0.00006]	ND	[0.0053]	ND	[0.000058]	ND	[0.00505]	ND	[0.000058]	ND	[0.0052]	ND	[0.000057]	ND	--	--	[0.0051]	ND	[0.000057]	ND
	Benzo[a]pyrene	0.0002	0.0002	[0.0051]	ND	[0.00004]	ND	[0.0053]	ND	[0.000038]	ND	[0.00505]	ND	[0.000039]	ND	[0.0052]	ND	[0.000038]	ND	--	--	[0.0051]	ND	[0.000038]	ND
	Benzo[b]fluoranthene	0.0012	0.0012	[0.0051]	ND	[0.00008]	ND	[0.0053]	ND	[0.000077]	ND	[0.00505]	ND	[0.000077]	ND	[0.0052]	ND	[0.000077]	ND	--	--	[0.0051]	ND	[0.000076]	ND
	Benzo[g,h,i]perylene	1.1	1.1	[0.0051]	ND	[0.00006]	ND	[0.0053]	ND	[0.000058]	ND	[0.00505]	ND	[0.000058]	ND	[0.0052]	ND	[0.000057]	ND	--	--	[0.0051]	ND	[0.000057]	ND
	Benzo[k]fluoranthene	0.012	0.012	[0.0051]	ND	[0.00006]	ND	[0.0053]	ND	[0.000058]	ND	[0.00505]	ND	[0.000058]	ND	[0.0052]	ND	[0.000057]	ND	--	--	[0.0051]	ND	[0.000057]	ND

Table 7
Summary of Analytical Results - Water Bearing Unit 2
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																			
				MW-39A				MW-50A				MW-62A				MW-74A				MW-74A (Duplicate)		MW-82A			
				4/21/16 11:30		09/19/2016 10:31		4/20/16 16:25		09/18/2016 12:46		4/23/16 11:40		09/19/2016 15:03		04/22/2016 11:50		09/17/2016 10:37		04/22/2016 11:50		04/20/2016 11:05		09/16/2016 10:37	
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
SW8270D SVOC	Benzoic acid	150	150	[0.0255]	ND	[0.003]	ND	[0.0265]	ND	[0.0029]	ND	[0.0253]	ND	[0.0029]	ND	[0.0261]	ND	[0.0029]	ND	--	--	[0.0255]	ND	[0.0029]	ND
	Benzyl alcohol	--	--	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.0019]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	Bis(2chloro1methylethyl)Ether	--	--	[0.0051]	ND	--	--	[0.0053]	ND	--	--	[0.00505]	ND	--	--	[0.0052]	ND	--	--	--	--	[0.0051]	ND	--	--
	Bis(2-chloroethoxy)methane	--	--	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	Bis(2-chloroethyl)ether	0.00077	0.00077	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	Bis(2-ethylhexyl) phthalate	0.006	0.006	[0.0051]	ND	[0.003]	ND	[0.0053]	ND	[0.0029]	ND	[0.00505]	ND	[0.0029]	ND	[0.0052]	ND	[0.0029]	ND	--	--	[0.0051]	ND	[0.0029]	ND
	bis(chloroisopropyl) ether	1.4	--	--	--	[0.0004]	ND	--	--	[0.00038]	ND	--	--	[0.00039]	ND	--	--	[0.00038]	ND	--	--	--	--	[0.00038]	ND
	Butyl benzyl phthalate	3	7.3	[0.0051]	ND	[0.0006]	ND	[0.0053]	ND	[0.00058]	ND	[0.00505]	ND	[0.00058]	ND	[0.0052]	ND	[0.00057]	ND	--	--	[0.0051]	ND	[0.00057]	ND
	Carbazole	0.043	0.043	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	Chrysene	0.12	0.12	[0.0051]	ND	[0.00004]	ND	[0.0053]	ND	[0.000038]	ND	[0.00505]	ND	[0.000039]	ND	[0.0052]	ND	[0.000038]	ND	--	--	[0.0051]	ND	[0.000038]	ND
	Dibenz(a,h)anthracene	0.00012	0.00012	[0.0051]	ND	[0.00006]	ND	[0.0053]	ND	[0.000058]	ND	[0.00505]	ND	[0.000058]	ND	[0.0052]	ND	[0.000057]	ND	--	--	[0.0051]	ND	[0.000057]	ND
	Dibenzofuran	0.073	0.073	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	Diethyl phthalate	23	29	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	Dimethyl phthalate	313	370	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	Di-n-butyl phthalate	2.7	3.7	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	Di-n-octyl phthalate	1.5	1.5	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	Fluoranthene	0.3	1.5	[0.0051]	ND	[0.00005]	ND	[0.0053]	ND	[0.000048]	ND	[0.00505]	ND	[0.000048]	ND	[0.0052]	ND	[0.000048]	ND	--	--	[0.0051]	ND	[0.000048]	ND
	Fluorene	1.3	1.5	[0.0051]	ND	[0.00006]	ND	[0.0053]	ND	[0.000058]	ND	[0.00505]	ND	[0.000058]	ND	[0.0052]	ND	[0.000057]	ND	--	--	[0.0051]	ND	[0.000057]	ND
	Hexachlorobenzene	0.001	0.001	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	Hexachlorobutadiene	0.0073	0.0073	[0.0051]	ND	[0.0006]	ND, QL	[0.0053]	ND	[0.00058]	ND	[0.00505]	ND	[0.00058]	ND, QL	[0.0052]	ND	[0.00057]	ND	--	--	[0.0051]	ND	[0.00057]	ND
	Hexachlorocyclopentadiene	0.05	0.05	[0.0153]	ND	[0.002]	ND	[0.0159]	ND	[0.0019]	ND	[0.0152]	ND	[0.0019]	ND	[0.0157]	ND	[0.0019]	ND	--	--	[0.0153]	ND	[0.0019]	ND
	Hexachloroethane	0.04	0.04	[0.0051]	ND	[0.0006]	ND	[0.0053]	ND	[0.00058]	ND	[0.00505]	ND	[0.00058]	ND	[0.0052]	ND	[0.00057]	ND	--	--	[0.0051]	ND	[0.00057]	ND
	Indeno[1,2,3-cd]pyrene	0.0012	0.0012	[0.0051]	ND	[0.00006]	ND	[0.0053]	ND	[0.000058]	ND	[0.00505]	ND	[0.000058]	ND	[0.0052]	ND	[0.000057]	ND	--	--	[0.0051]	ND	[0.000057]	ND
	Isophorone	0.9	0.9	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	Naphthalene	0.73	0.73	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	Nitrobenzene	0.017	0.018	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	N-Nitrosodimethylamine	--	0.000017	[0.0051]	ND	--	--	[0.0053]	ND	--	--	[0.00505]	ND	--	--	[0.0052]	ND	--	--	--	--	[0.0051]	ND	--	--
	N-Nitrosodi-n-propylamine	0.00012	0.00012	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	N-Nitrosodiphenylamine	0.17	0.17	[0.0051]	ND	[0.0004]	ND	[0.0053]	ND	[0.00038]	ND	[0.00505]	ND	[0.00039]	ND	[0.0052]	ND	[0.00038]	ND	--	--	[0.0051]	ND	[0.00038]	ND
	Pentachlorophenol	0.001	0.001	[0.0255]	ND	[0.0007]	ND	[0.0265]	ND	[0.00067]	ND	[0.0253]	ND	[0.00067]	ND	[0.0261]	ND	[0.00067]	ND	--	--	[0.0255]	ND	[0.00067]	ND
	Phenanthrene	11	11	[0.0051]	ND	[0.00008]	ND	[0.0053]	ND	[0.000077]	ND	[0.00505]	ND	[0.000077]	ND	[0.0052]	ND	[0.000077]	ND	--	--	[0.0051]	ND	[0.000076]	ND
	Phenol	11	11	[0.0051]	ND	[0.0006]	ND	[0.0053]	ND	[0.00058]	ND	[0.00505]	ND	[0.00058]	ND	[0.0052]	ND	[0.00057]	ND	--	--	[0.0051]	ND	[0.00057]	ND
	Pyrene	0.96	1.1	[0.0051]	ND	[0.00006]	ND	[0.0053]	ND	[0.000058]	ND	[0.00505]	ND	[0.000058]	ND	[0.0052]	ND	[0.000057]	ND	--	--	[0.0051]	ND	[0.000057]	ND

Notes:

1 - This screening level corresponds to ADEC groundwater cleanup levels from 18 AAC 75.345 Table C. Revised 5/8/2016
http://dec.alaska.gov/commish/regulations/pdfs/18%20aac%2075.pdf
2 - This screening level corresponds to the most conservative values within ADEC Water Quality Standards 18 AAC 70. Amended 2/19/2016.
https://dec.alaska.gov/commish/regulations/pdfs/18%20AAC%2070.pdf
3 - The field sample identification number and date collected are provided.
4 - For detected results, the sample result is listed in this column. For results of non-detect, the LOD is listed in [ ] in this column.
5 - ADEC Calculator: http://dec.alaska.gov/water/cruise_ships/gp/2010/zinc_rpa_stationary.xls
6 - May not exceed 5 NTUs above natural conditions (NC) when the natural turbidity is 50 NTU or less, and may not have more than
10% increase in turbidity when the natural turbidity is more than 50 NTU, not to exceed a maximum increase of 25 NTU. Turbidity screening
levels corresponds to ADEC Alaska General Permit AKG003000 for discharge of Aquifer Pump Test (Table 6).
http://dec.alaska.gov/water/wnpspc/stormwater/docs/AKG003000_Hydrostatic_GP_Permit.pdf
7 - Standards are specific to various factors, such as a receiving water body (e.g., freshwater or saltwater)
See ADEC Water Quality Criteria Manual for Toxic and other Deleterious Organic and Inorganic substances,
as amended through December 12, 2008, Appendices C through g.

Sample results exceeding the ADEC Table C Groundwater screening criteria are shown in (**BOLD** with yellow shading).
Analyte was not detected, but the LOD was above the screening level (light blue shading).
Deteted contentrations listed in **BOLD**

Data Flags

=	Analyte detected at concentration listed in column to the left.
B	The reported concentration was less than five times that of the associated method blank and/or trip blank.
J	Result is considered an estimated value because the level is below the laboratory LOQ, but above the DL.
ND	Non-detect, LOD is in brackets [ ] in the concentration column.
MH, ML, MN	The quantitation was an estimate due to a quality control failure. Where applicable, a "H", "L", or "N" was used to indicate possible high, low, or unknown bias.
QH, QL, QN	The quantitation was an estimate due to a sample matrix quality control failure. Where applicable, a "H", "L", or "N" was used to indicate possible high, low, or unknown bias.
H	Holding Time Exceeded
U	Analyte was analyzed for but not detected
*	Lab Control Sample or Lab Control Sample Duplicate outside of acceptance limits

Abbreviations

--	Not applicable or screening criteria does not exist for this compound
AAC	Alaska Administrative Code
ADEC	Alaska Department of Environmental Conservation
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
PAH	Polycyclic Aromatic Hydrocarbon
SVOCs	Semi-volatile Organic Compounds
VOCs	Volatile Organic Compounds

Table 7
Summary of Analytical Results - Water Bearing Unit 2
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																	
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	MW-91A				MW-91A (Duplicate)		OW-2				OW-4				APT-1		APT-1 (Duplicate)		APT-2	
				4/21/2016 18:10		09/22/2016 18:00		04/21/2016 18:10		08/10/2016 11:45		09/22/2016 13:10		08/10/2016 16:25		09/22/2016 16:06		09/20/2016 10:32		09/20/2016 10:32		09/21/2016 14:00	
				Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
200.8 Metal, Dissolved	Aluminum, Dissolved	--	--	**0.0113**	=	**0.00194**	J,B	**0.0137**	=	**0.0459**	=	**--**	--	**0.0161**	J,B	**--**	--	**0.0188**	=	**0.0217**	=	0.00387	=, B
	Antimony, Dissolved	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**0.00147**	=	**--**	--	**0.00365**	=	**--**	--	**0.000913**	=	**0.000926**	=	0.00277	=
	Arsenic, Dissolved	0.01	--	**0.0077**	=	**0.00784**	=	**0.00763**	=	**0.0229**	=	**--**	--	**0.0372**	=	**--**	--	**0.0142**	=	**0.0142**	=	0.0172	=
	Barium, Dissolved	--	--	**0.022**	=	**0.0223**	=	**0.0218**	=	**0.00879**	=	**--**	--	**0.0104**	=	**--**	--	**0.0207**	=	**0.0204**	=	0.0164	=
	Beryllium, Dissolved	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**--**	--	[0.000025]	ND	**--**	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND
	Bismuth, Dissolved	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**--**	--	[0.000025]	ND	**--**	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND
	Boron, Dissolved	--	--	**0.0187**	=	**0.0191**	=	**0.0191**	=	**0.126**	=	**--**	--	**0.0278**	J,B	**--**	--	**0.0266**	=	**0.0276**	=	0.0237	=
	Cadmium, Dissolved [5]	0.06	--	[0.000025]	ND	**0.0000184**	J	[0.000025]	ND	[0.000025]	ND	**--**	--	[0.000025]	ND	**--**	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND
	Calcium, Dissolved	--	--	**29.7**	=	**27.8**	=	**30**	=	**6.42**	=	**--**	--	**15**	=	**--**	--	**23.4**	=	**24**	=	18	=
	Chromium, Dissolved	0.011	--	**0.00019**	J	[0.00025]	ND	[0.00025]	ND	**0.000223**	J	**--**	--	[0.00025]	ND	**--**	--	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND
	Cobalt, Dissolved	--	--	**0.0000948**	=	**0.000177**	=	**0.000104**	=	**0.0000659**	=	**--**	--	**0.00016**	=	**--**	--	**0.0000803**	=	**0.0000776**	=	0.000114	=
	Copper, Dissolved [5]	0.00161	--	**0.000306**	J	**0.000389**	J, B	**0.00025**	J	**0.000327**	J	**--**	--	**0.000447**	J	**--**	--	**0.000202**	J, B	**0.000216**	J, B	0.00025	J, B
	Iron, Dissolved	--	--	**1.99**	=	**1.73**	=	**2.07**	=	**0.36**	=	**--**	--	**0.486**	=	**--**	--	**0.647**	=	**0.631**	=	0.0983	=
	Lead, Dissolved [5]	0.00027	--	[0.00005]	ND	[0.00005]	ND	[0.00005]	ND	**0.00013**	=	**--**	--	**0.0000879**	J	**--**	--	**0.0000695**	J	[0.00005]	ND	[0.00005]	ND
	Magnesium, Dissolved	--	--	**6.53**	=	**6.37**	=	**6.62**	=	**3.37**	=	**--**	--	**6.49**	=	**--**	--	**7.98**	=	**7.84**	=	4.41	=
	Manganese, Dissolved	--	--	**0.965**	=	**0.972**	=	**0.982**	=	**0.0289**	=	**--**	--	**0.0412**	=	**--**	--	**0.103**	=	**0.103**	=	0.0547	=
	Molybdenum, Dissolved	--	--	**0.000543**	=	**0.000908**	=	**0.000574**	=	**0.00553**	=	**--**	--	**0.000882**	=	**--**	--	**0.0012**	=	**0.00121**	=	0.00167	=
	Nickel, Dissolved [5]	0.0095	--	**0.00171**	=	**0.00267**	=	**0.00167**	=	**0.000629**	=	**--**	--	**0.00141**	=	**--**	--	**0.000823**	=, B	**0.000806**	=, B	0.00219	=
	Potassium, Dissolved	--	--	**3.21**	=	**3.52**	=	**3.17**	=	**7.03**	=	**--**	--	**6.76**	=	**--**	--	**6.26**	=	**6.16**	=	3.69	=
	Selenium, Dissolved	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	**--**	--	[0.0005]	ND	**--**	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND
	Silicon, Dissolved	--	--	**15.7**	=	**16.4**	=	**16.2**	=	**5.95**	=	**--**	--	**10.8**	=	**--**	--	**11.9**	=	**11.4**	=,QH	10.5	=
	Silver, Dissolved [5]	0.00011	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	**--**	--	[0.00001]	ND	**--**	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND
	Sodium, Dissolved	--	--	**6.74**	=	**6.24**	=	**6.69**	=	**26.3**	=	**--**	--	**9.22**	=	**--**	--	**7.86**	=	**7.6**	=	7.64	=
	Thallium, Dissolved	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	**--**	--	[0.00001]	ND	**--**	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND
	Tin, Dissolved	--	--	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	**--**	--	[0.0001]	ND	**--**	--	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND
	Vanadium, Dissolved	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	**0.00246**	=	**--**	--	**0.00809**	=	**--**	--	**0.00119**	=	**0.00127**	=	0.0147	=
	Zinc, Dissolved [5]	0.02134	--	**0.0024**	J	**0.00212**	J,B	**0.00176**	J	**0.00139**	J,B	**--**	--	**0.0016**	J,B	**--**	--	**0.0366**	=, B	**0.034**	=, B	0.0773	=
200.8 Metal, Total	Aluminum, Total	0.087	--	**1.5**	=	**0.937**	=	**1.28**	=	**3.8**	=	**--**	--	**2.66**	=	**--**	--	**0.242**	=	**0.185**	=	0.225	=
	Antimony, Total	0.006	0.006	**0.0000511**	=	**0.000129**	=	**0.0000536**	=	**0.00171**	=	**--**	--	**0.00775**	=	**--**	--	**0.000978**	=	**0.000987**	=	0.00274	=
	Arsenic, Total	0.01	0.01	**0.00873**	=	**0.00889**	=	**0.00857**	=	**0.0495**	=	**0.0237**	=	**0.131**	=	**0.0323**	=	**0.0197**	=	**0.02**	=	**0.0206**	=
	Barium, Total	2	2	**0.0346**	=	**0.0335**	=	**0.0366**	=	**0.0614**	=	**--**	--	**0.0831**	=	**--**	--	**0.0253**	=	**0.0266**	=	0.0203	=
	Beryllium, Total	0.004	0.004	**0.000034**	J	**0.0000295**	J	**0.0000348**	J	**0.000091**	=	**--**	--	**0.000215**	=	**--**	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND
	Bismuth, Total	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**0.0000971**	=	**--**	--	**0.000161**	=	**--**	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND
	Boron, Total	0.75	--	**0.0195**	=	**0.0207**	=	**0.0201**	=	**0.121**	B	**--**	--	**0.0301**	B	**--**	--	**0.0269**	=	**0.026**	=	**0.024**	=
	Cadmium, Total	0.01	0.005	**0.000015**	J	**0.000027**	J	[0.000025]	ND	**0.0000738**	=	**--**	--	**0.0001**	=	**--**	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND
	Calcium, Total	--	--	**30.7**	=	**29.9**	=	**30.5**	=	**7.2**	=	**--**	--	**18.5**	=	**--**	--	**24.3**	=	**24.1**	=	**18.2**	=
	Chromium, Total	0.011	0.1	**0.00676**	=	**0.0124**	=	**0.00736**	=	**0.0168**	=	**--**	--	**0.0215**	=	**--**	--	[0.00025]	ND	[0.00025]	ND	**0.000251**	J
	Cobalt, Total	0.05	--	**0.000728**	=	**0.000754**	=	**0.000787**	=	**0.00203**	=	**--**	--	**0.00493**	=	**--**	--	**0.000167**	=	**0.000175**	=	**0.000237**	=
	Copper, Total	0.0031	1	**0.00233**	=	**0.0106**	=	**0.00257**	=	**0.013**	=	**--**	--	**0.0275**	=	**--**	--	**0.000682**	=	**0.0008**	=	**0.00233**	=
	Iron, Total	1	--	**3.8**	=	**3.01**	=	**3.76**	=	**16.5**	=	**--**	--	**55**	=	**--**	--	**2.71**	=	**2.97**	=	**1.34**	=
	Lead, Total	0.0081	0.015	**0.000569**	=	**0.000392**	=	**0.000589**	=	**0.00252**	=	**--**	--	**0.0107**	=	**--**	--	**0.000204**	=, MN	**0.000355**	=, MN	**0.000321**	=
	Magnesium, Total	--	--	**7.26**	=	**6.87**	=	**7.09**	=	**4.53**	=	**--**	--	**7.75**	=	**--**	--	**8.63**	=	**8.24**	=	**4.47**	=
	Manganese, Total	0.05	--	**1.03**	=	**1.05**	=	**1.04**	=	**0.22**	=	**--**	--	**0.357**	=	**--**	--	**0.118**	=	**0.123**	=	**0.0656**	=
	Molybdenum, Total	0.01	--	**0.000896**	=	**0.00217**	=	**0.00115**	=	**0.00535**	=	**--**	--	**0.00205**	=	**--**	--	**0.00116**	=	**0.00117**	=	**0.00167**	=
	Nickel, Total	0.0082	0.1	**0.00497**	=	**0.00899**	=	**0.00532**	=	**0.0136**	=	**--**	--	**0.0202**	=	**--**	--	**0.00128**	=	**0.00134**	=	**0.00296**	=
	Potassium, Total	--	--	**3.4**	=	**3.72**	=	**3.49**	=	**7.61**	=	**--**	--	**7.26**	=	**--**	--	**6.39**	=	**6.53**	=	**3.66**	=
	Selenium, Total	0.005	0.05	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	**--**	--	**0.000575**	J	**--**	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND
	Silver, Total	0.0019	0.1	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	**0.0000429**	=	**--**	--	**0.00021**	=	**--**	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND
	Sodium, Total	--	--	**7.11**	=	**6.62**	=	**7.12**	=	**25.7**	=	**--**	--	**10.7**	=	**--**	--	**8.16**	=	**7.91**	=	**7.63**	=
	Thallium, Total	0.0017	0.002	**0.00000838**	J	**0.0000082**	J	**0.00000928**	J	**0.0000275**	=	**--**	--	**0.0000393**	=	**--**	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND
	Tin, Total	--	--	**0.000114**	J	**0.000133**	J	**0.000129**	J	**0.000201**	=	**--**	--	**0.000219**	=	**--**	--	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND
	Vanadium, Total	0.1	0.26	**0.00361**	=	**0.00266**	=	**0.00401**	=	**0.0193**	=	**--**	--	**0.131**	=	**--**	--	**0.00412**	=	**0.00404**	=	**0.0183**	=
	Zinc, Total	0.081	5	**0.0148**	=	**0.00925**	= , B	**0.0146**	=	**0.012**	B	**--**	--	**0.0324**	=	**--**	--	**0.277**	=	**0.287**	=	**0.402**	=
EPA 1631 E, Dissolved	Mercury, Dissolved	0.00077	--	**0.000000599**	J, B	[0.0000005]	ND	**0.000000536**	J, B	**0.000000932**	J	**--**	--	**0.00000145**	=	**--**	--	[0.0000005]	ND	[0.0000005]	ND	[0.0000005]	ND
EPA 1631 E, Total	Mercury, Total	0.00005	0.002	**0.00000264**	=, B	**0.00000182**	=	**0.00000299**	=, B	**0.00000919**	=	**--**	--	**0.0000751**	=	**--**	--	**0.000000704**	J	**0.000000832**	J	**0.000001**	=
AK101	Gasoline Range Organics	2.2	2.2	[0.05]	ND	[0.05]	ND	[0.05]	ND	[0.05]	ND	**--**	--	[0.05]	ND	**--**	--	**0.0497**	J	**0.0445**	J	[0.05]	ND
AK102	Diesel Range Organics	1.5	1.5	[0.283]	ND	[0.294]	ND	[0.288]	ND	[0.278]	ND	**--**	--	**0.395**	J, B	**--**	--	**0.486**	J	**0.427**	J,B	**0.24**	J
AK103	Residual Range Organics	1.1	1.1	[0.236]	ND	[0.245]	ND	[0.24]	ND	**0.192**	J	**--**	--	**0.476**	J, B	**--**	--	[0.236]	ND	[0.236]	ND	[0.24]	ND
EPA 300.0	Chloride	230	--	**10.4**	=	**10.1**	=	**10.4**	=	**5.79**	=	**--**	--	**11**	=	**--**	--	**19.7**	=,QL	**19.7**	=	**5.67**	=
	Fluoride	1	--	**0.08**	J	**0.131**	J	**0.08**	J	**0.345**	=	**--**	--	**0.168**	J	**--**	--	**0.137**	J,B	**0.139**	J,B	**0.15**	J,B
	Nitrate-N	--	--	**--**	--	[0.1]	ND	**--**	--	[0.1]	ND	**--**	--	**0.105**	J	**--**	--	[0.05]	ND	[0.05]	ND	[0.05]	ND,QN
	Nitrite-N	--	--	**--**	--	[0.1]	ND	**--**	--	[0.1]	ND	**--**	--	[0.1]	ND	**--**	--	[0.05]	ND	[0.05]	ND	[0.05]	ND,QN
	Sulfate	250	--	**8.12**	=	**8.55**	=	**8.03**	=	**0.652**	=	**--**	--	**2.73**	=	**--**	--	**1.73**	=	**1.7**	=	**4.02**	=
EPA 410.4	Chemical Oxygen Demand	--	--	**--**	--	**--**	--	**--**	--	**23.5**	=	**--**	--	**30.0**	=	**--**	--	[10]	ND	**13.6**	J	[10]	ND
SM21 2130B	Turbidity (NTU)	See Note 6	--	**35**	=	**24**	=	**32**	=	**120**	=	**--**	--	**200**	=	**--**	--	**16**	=	**16**	=	**11**	=
SM21 2320B	Alkalinity	<20000	--	**93.7**	=	**100**	=	**92.7**	=	**81**	=	**--**	--	**76.9**	=	**--**	--	**95.2**	=	**94.3**	=	**79.2**	=
SM21 2340B	Hardness as CaCO3	--	--	**101**	=	**95.6**	=	**102**	=	**29.9**	=	**--**	--	**64.1**	=	**--**	--	**91.2**	=	**92.2**	=	**63.1**	=
SM21 2540B	Total Solids	--	--	**--**	--	**--**	--	**--**	--	**201**	QN	**--**	--	**232**	QN	**--**	--	**172**	=	**184**	=	**128**	=
SM21 2540C	Total Dissolved Solids	500	--	**169**	=	**159**	=	**169**	=	**119**	=	**--**	--	**74**	=	**--**	--	**151**	=	**141**	=	**108**	=
SM21 2540D	Total Suspended Solids	--	--	**39.5**	=	**60.2**	=	**43**	=	**81.5**	=	**--**	--	**117**	=	**--**	--	**14**	=	**16.2**	=	**8.89**	=
SM21 4500-NH3 G	Ammonia-N	See Note 7	--	**--**	--	**--**	--	**--**	--	**0.164**	=	**--**	--	**0.186**	=	**--**	--	**0.0893**	J	**0.113**	=	**0.0661**	J
SM21 4500-N D	Total Kjeldahl Nitrogen	--	--	**--**	--	**--**	--	**--**	--	[0.5]	ND	**--**	--	[0.5]	ND	**--**	--	[0.5]	ND	[0.5]	ND	[0.5]	ND
SM21 4500NO3-F	Nitrate-N	--	--	**0.0654**	J, B	**--**	--	**0.0648**	J, B	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--
	Nitrite-N	--	--	[0.05]	ND	**--**	--	[0.05]	ND	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--
SM21 4500P-B,E	Total Phosphorus	--	--	**--**	--	**--**	--	**--**	--	**0.872**	=	**--**	--	**0.396**	=	**--**	--	**0.114**	=	**0.0905**	=	**0.0907**	=
	Ortho Phosphate-P	--	--	**--**	--	**--**	--	**--**	--	**0.554**	=	**--**	--	**0.059**	=	**--**	--	**0.0507**	=	**0.0488**	=	**0.0896**	=
SM21 5310B	Total Organic Carbon	--	--	**--**	--	**--**	--	**--**	--	**2.79**	=	**--**	--	**2.5**	=	**--**	--	**1.82**	=, B	**1.63**	=, B	**1.69**	=, B
	Dissolved Organic Carbon	--	--	**--**	--	**--**	--	**--**	--	**1.65**	=	**--**	--	**1.3**	=	**--**	--	**1.7**	=	**1.45**	=	**1.02**	=
SM21 9222D	Fecal Coliform (Col/100mL)	1	--	**--**	--	**--**	--	**--**	--	**4.9**	=	**--**	--	[2]	ND	**--**	--	[1.64]	ND	[1.64]	ND	[1.64]	ND
SM21 10200H	Chlorophyll A (mg/m^3)	--	--	**--**	--	**--**	--	**--**	--	[2.2]	ND	**--**	--	[2.2]	ND	**--**	--	[1.6]	ND	[1.6]	ND	[1.6]	ND

Table 7
Summary of Analytical Results - Water Bearing Unit 2
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																	
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	MW-91A				MW-91A (Duplicate)		OW-2				OW-4				APT-1		APT-1 (Duplicate)		APT-2	
				4/21/2016 18:10		09/22/2016 18:00		04/21/2016 18:10		08/10/2016 11:45		09/22/2016 13:10		08/10/2016 16:25		09/22/2016 16:06		09/20/2016 10:32		09/20/2016 10:32		09/21/2016 14:00	
				Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
SW8082A PCB	Aroclor-1016	0.000014	0.0005	--	--	--	--	--	--	[0.000208]	ND	--	--	[0.0002]	ND	--	--	[0.000204]	ND	[0.000215]	ND	[0.000206]	ND
	Aroclor-1221	0.000014	0.0005	--	--	--	--	--	--	[0.00052]	ND	--	--	[0.0005]	ND	--	--	[0.00051]	ND	[0.00054]	ND	[0.000515]	ND
	Aroclor-1232	0.000014	0.0005	--	--	--	--	--	--	[0.000052]	ND	--	--	[0.00005]	ND	--	--	[0.000051]	ND	[0.000054]	ND	[0.0000515]	ND
	Aroclor-1242	0.000014	0.0005	--	--	--	--	--	--	[0.000052]	ND	--	--	[0.00005]	ND	--	--	[0.000051]	ND	[0.000054]	ND	[0.0000515]	ND
	Aroclor-1248	0.000014	0.0005	--	--	--	--	--	--	[0.000052]	ND	--	--	[0.00005]	ND	--	--	[0.000051]	ND	[0.000054]	ND	[0.0000515]	ND
	Aroclor-1254	0.000014	0.0005	--	--	--	--	--	--	[0.000052]	ND	--	--	[0.00005]	ND	--	--	[0.000051]	ND	[0.000054]	ND	[0.0000515]	ND
	Aroclor-1260	0.000014	0.0005	--	--	--	--	--	--	[0.000052]	ND	--	--	[0.00005]	ND	--	--	[0.000051]	ND	[0.000054]	ND	[0.0000515]	ND
SW 8270D SIM (PESTICIDE)	4,4'-DDD	0.0035	0.0035	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	[0.0000153]	ND, QL	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND
	4,4'-DDE	0.0025	0.0025	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	[0.0000153]	ND	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND
	4,4'-DDT	0.000001	0.0025	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	[0.0000153]	ND, QL	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND
	Aldrin	0.003	--	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	[0.0000153]	ND	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND
	alpha-BHC	0.00014	0.00014	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	[0.0000153]	ND	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND
	alpha-Chlordane	0.000004	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND
	beta-BHC	0.00047	0.00047	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	[0.0000153]	ND	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND
	delta-BHC	--	--	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	[0.0000153]	ND	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND
	Dieldrin	0.0000019	0.000053	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	[0.0000153]	ND, QL	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND
	Endosulfan I	0.0000087	0.22	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	[0.0000155]	ND, QL	--	--	[0.0000155]	ND, QL	[0.0000158]	ND, QL	[0.0000153]	ND, QL
	Endosulfan II	0.0000087	0.22	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	[0.0000153]	ND, QL	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND
	Endosulfan sulfate	0.11	--	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	[0.0000153]	ND, QL	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND
	Endrin	0.0000023	0.002	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	[0.0000153]	ND, QL	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND
	Endrin aldehyde	0.00076	--	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	[0.0000153]	ND, QL	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND
	Endrin ketone	--	--	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	[0.0000153]	ND, QL	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND
	gamma-BHC (Lindane)	0.00016	0.0002	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	[0.0000153]	ND	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND
	gamma-Chlordane	0.000004	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND
	Heptachlor	0.0000036	0.0004	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	[0.0000153]	ND	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND
	Heptachlor epoxide	0.0000036	0.0002	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	[0.0000153]	ND	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND
	Methoxychlor	0.00003	0.04	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	[0.0000153]	ND, QL	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND
	Toxaphene	0.0000002	0.003	--	--	--	--	--	--	[0.00103]	ND, QL	--	--	[0.00102]	ND	--	--	[0.00103]	ND	[0.00105]	ND	[0.00102]	ND
SW8011, LL VOC	1,2,3-Trichloropropane	0.00012	0.00012	--	--	[0.00002]	ND	--	--	--	--	[0.00002]	ND	--	--	[0.00002]	ND	[0.00002]	ND	[0.00002]	ND	[0.00002]	ND
	1,2-Dibromoethane	0.00005	0.00005	--	--	[0.00002]	ND	--	--	--	--	[0.00002]	ND	--	--	[0.00002]	ND	[0.00002]	ND	[0.00002]	ND	[0.00002]	ND
SW8260C VOC	1,1,1,2-Tetrachloroethane	--	--	[0.00025]	ND	--	--	[0.00025]	ND	[0.00025]	ND	--	--	[0.00025]	ND	--	--	--	--	--	--	--	--
	1,1,1-Trichloroethane	0.2	0.2	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND
	1,1,2,2-Tetrachloroethane	0.0043	0.0043	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	1,1,2-Trichloroethane	0.005	0.005	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	1,1-Dichloroethane	7.3	7.3	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND
	1,1-Dichloroethene	0.007	0.007	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND
	1,1-Dichloropropene	--	--	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND
	1,2,3-Trichlorobenzene	--	--	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND
	1,2,3-Trichloropropane	0.00012	0.00012	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND
	1,2,4-Trichlorobenzene	0.07	0.07	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND
	1,2,4-Trimethylbenzene	1.8	1.8	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND
	1,2-Dibromo-3-Chloropropane	0.0002	--	[0.005]	ND	[0.01]	ND	[0.005]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.01]	ND	[0.01]	ND	[0.01]	ND
	1,2-Dibromoethane	0.00005	0.00005	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND
	1,2-Dichlorobenzene	0.6	0.6	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND
	1,2-Dichloroethane	0.005	0.005	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	1,2-Dichloropropane	0.005	0.005	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND
	1,3,5-Trimethylbenzene	1.8	1.8	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND
	1,3-Dichlorobenzene	0.4	3.3	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND
	1,3-Dichloropropane	--	--	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND
	1,4-Dichlorobenzene	0.075	0.075	[0.00025]	ND	[0.004]	ND	[0.00025]	ND	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.004]	ND	[0.004]	ND	[0.004]	ND
	2,2-Dichloropropane	--	--	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND
	2-Butanone	22	22	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.02]	ND	[0.02]	ND	[0.02]	ND
	2-Chlorotoluene	--	--	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND
	2-Hexanone	--	--	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.02]	ND	[0.02]	ND	[0.02]	ND
	4-Chlorotoluene	--	--	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND
	4-Isopropyltoluene	--	--	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND
	4-Methyl-2-pentanone	2.9	2.9	[0.005]	ND	[0.015]	ND	[0.005]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.015]	ND	[0.015]	ND	[0.015]	ND
	Acetone	--	--	--	--	[0.05]	ND	--	--	--	--	--	--	--	--	--	--	[0.05]	ND	[0.05]	ND	[0.05]	ND
	Benzene	0.005	0.005	[0.0002]	ND	[0.002]	ND	[0.0002]	ND	[0.0002]	ND	--	--	[0.0002]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND
	Bromobenzene	--	--	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND
	Bromochloromethane	--	--	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND
	Bromodichloromethane	0.014	0.014	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND
	Bromoform	0.08	0.11	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND
	Bromomethane	0.048	0.051	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	[0.005]	ND	[0.005]	ND
	Carbon disulfide	3.7	3.7	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND
	Carbon tetrachloride	0.005	0.005	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND
	Chlorobenzene	0.1	0.1	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND
	Chloroethane	0.29	0.29	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.005]	ND	[0.005]	ND	[0.005]	ND
	Chloroform	0.08	0.14	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.005]	ND	[0.005]	ND	[0.005]	ND
	Chloromethane	0.066	0.066	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	**0.00039**	J	[0.005]	ND	**0.00039**	J	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND
	cis-1,2-Dichloroethene	0.07	0.07	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	cis-1,3-Dichloropropene	0.0085	0.0085	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND
	Dibromochloromethane	0.01	0.01	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND
	Dibromomethane	0.37	0.37	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND
	Dichlorodifluoromethane	7.3	7.3	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND
	Ethylbenzene	0.7	0.7	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND
	Freon-113	--	1100	[0.005]	ND	--	--	[0.005]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--	--	--	--	--	--	--

Table 7
Summary of Analytical Results - Water Bearing Unit 2
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																	
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	MW-91A				MW-91A (Duplicate)		OW-2				OW-4				APT-1		APT-1 (Duplicate)		APT-2	
				4/21/2016 18:10		09/22/2016 18:00		04/21/2016 18:10		08/10/2016 11:45		09/22/2016 13:10		08/10/2016 16:25		09/22/2016 16:06		09/20/2016 10:32		09/20/2016 10:32		09/21/2016 14:00	
				Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
SW8260C VOC	Hexachlorobutadiene	0.0073	0.0073	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND
	Isopropylbenzene	3.7	3.7	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND
	Methylene Chloride	0.005	0.005	[0.0025]	ND	[0.005]	ND	[0.0025]	ND	[0.0025]	ND	--	--	[0.0025]	ND	--	--	[0.005]	ND	[0.005]	ND	[0.005]	ND
	Methyl tert-butyl ether	0.47	0.47	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND
	Naphthalene	0.73	0.73	[0.005]	ND	[0.002]	ND	[0.005]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND
	n-Butylbenzene	0.37	0.37	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND
	N-Propylbenzene	0.37	0.37	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND
	o-Xylene	10	10	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND
	P & M -Xylene	--	10	[0.001]	ND	[0.003]	ND	[0.001]	ND	[0.001]	ND			[0.001]	ND			[0.003]	ND	[0.003]	ND	[0.003]	ND
	sec-Butylbenzene	0.37	0.37	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND
	Styrene	0.1	0.1	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.005]	ND	[0.005]	ND	[0.005]	ND
	t-Butylbenzene	0.37	0.37	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND
	Tetrachloroethene	0.005	0.005	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND
	Toluene	1	1	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	**0.0027**	=
	trans-1,2-Dichloroethene	0.1	0.1	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND
	trans-1,3-Dichloropropene	0.0085	0.0085	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND
	Trichloroethene	0.005	0.005	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	**0.00047**	J	[0.003]	ND	**0.0131**	=	**0.057**	=	**0.039**	MH	**0.043**	=	[0.003]	ND
	Trichlorofluoromethane	11	11	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND
	Vinyl acetate	--	37	[0.005]	ND	--	--	[0.005]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--	--	--	--	--	--	--
	Vinyl chloride	0.002	0.002	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	Xylenes (total)	--	10	[0.0015]	ND	[0.005]	ND	[0.0015]	ND	[0.0015]	ND	[0.005]	ND	[0.0015]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND
EPA 625M SIM (PAH)	Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo(a)Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo[a]pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo[b]Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo[g,h,i]perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo[k]fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Dibenzo[a,h]anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Indeno[1,2,3-c,d] pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW8270D SVOC	1,2,4-Trichlorobenzene	0.07	0.07	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	1,2-Dichlorobenzene	0.6	0.6	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	1,3-Dichlorobenzene	0.4	3.3	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	1,4-Dichlorobenzene	0.075	0.075	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	1-Chloronaphthalene	--	--	[0.0051]	ND	--	--	[0.0051]	ND	[0.0051]	ND	--	--	[0.00515]	ND	--	--	--	--	--	--	--	--
	1-Methylnaphthalene	0.15	0.15	[0.0051]	ND	[0.000058]	ND	[0.0051]	ND	[0.0051]	ND	[0.000058]	ND	[0.00515]	ND	[0.000059]	ND	[0.00006]	ND	[0.000057]	ND	[0.000058]	ND
	2,4,5-Trichlorophenol	2.6	3.7	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	2,4,6-Trichlorophenol	0.077	0.077	[0.0051]	ND	[0.00058]	ND	[0.0051]	ND	[0.0051]	ND	[0.00058]	ND	[0.00515]	ND	[0.00059]	ND	[0.0006]	ND	[0.00057]	ND	[0.00058]	ND
	2,4-Dichlorophenol	0.093	0.11	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	2,4-Dimethylphenol	0.54	0.73	[0.0051]	ND	[0.0019]	ND	[0.0051]	ND	[0.0051]	ND	[0.0019]	ND	[0.00515]	ND	[0.002]	ND	[0.002]	ND	[0.0019]	ND	[0.0019]	ND
	2,4-Dinitrophenol	0.07	0.073	[0.0255]	ND	[0.0048]	ND	[0.0255]	ND	[0.0255]	ND	[0.0048]	ND	[0.0257]	ND	[0.005]	ND	[0.005]	ND	[0.0047]	ND	[0.0048]	ND
	2,4-Dinitrotoluene	0.0013	0.0013	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	2,6-Dichlorophenol	--	--	[0.0051]	ND	--	--	[0.0051]	ND	[0.0051]	ND	--	--	[0.00515]	ND	--	--	--	--	--	--	--	--
	2,6-Dinitrotoluene	0.0013	0.0013	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	2-Chloronaphthalene	1.7	2.9	[0.0051]	ND	[0.000058]	ND	[0.0051]	ND	[0.0051]	ND	[0.000058]	ND	[0.00515]	ND	[0.000059]	ND	[0.00006]	ND	[0.000057]	ND	[0.000058]	ND
	2-Chlorophenol	0.12	0.18	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	2-Methyl-4,6-dinitrophenol	--	--	[0.0255]	ND	--	--	[0.0255]	ND	[0.0255]	ND	--	--	[0.0257]	ND	--	--	--	--	--	--	--	--
	2-Methylnaphthalene	0.15	0.15	[0.0051]	ND	[0.00019]	ND	[0.0051]	ND	[0.0051]	ND	[0.00019]	ND	[0.00515]	ND	[0.0002]	ND	[0.0002]	ND	[0.00019]	ND	[0.00019]	ND
	2-Methylphenol	1.8	1.8	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	2-Nitroaniline	--	--	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	2-Nitrophenol	--	--	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	3 & 4 Methylphenol	--	--	[0.0102]	ND	[0.00077]	ND	[0.0102]	ND	[0.0102]	ND	[0.00077]	ND	[0.0103]	ND	[0.00079]	ND	[0.00081]	ND	[0.00076]	ND	[0.00077]	ND
	3,3'-Dichlorobenzidine	0.0019	0.0019	[0.0051]	ND	[0.0019]	ND, R	[0.0051]	ND	[0.0051]	ND	[0.0019]	ND, R	[0.00515]	ND	[0.002]	ND, R	[0.002]	ND, QL	[0.0019]	ND, QL	[0.0019]	ND, R
	3-Nitroaniline	--	--	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND, ML	[0.00038]	ND	[0.00039]	ND
	4,6-Dinitro-2-methylphenol	0.0134	--	--	--	[0.0038]	ND	--	--	--	--	[0.0039]	ND	--	--	[0.004]	ND	[0.004]	ND	[0.0038]	ND	[0.0039]	ND
	4-Bromophenyl phenyl ether	--	--	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	4-Chloro-3-methylphenol	--	--	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	4-Chloroaniline	0.016	0.016	[0.0051]	ND	[0.00038]	ND, R	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND, R	[0.00515]	ND	[0.0004]	ND, R	[0.0004]	ND, R	[0.00038]	ND, R	[0.00039]	ND, R
	4-Chlorophenyl phenyl ether	--	--	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	4-Nitroaniline	--	--	[0.0051]	ND	[0.00058]	ND	[0.0051]	ND	[0.0051]	ND	[0.00058]	ND	[0.00515]	ND	[0.00059]	ND	[0.0006]	ND	[0.00057]	ND	[0.00058]	ND
	4-Nitrophenol	--	--	[0.0255]	ND	[0.0029]	ND	[0.0255]	ND	[0.0255]	ND	[0.0029]	ND	[0.0257]	ND	[0.003]	ND	[0.003]	ND	[0.0028]	ND	[0.0029]	ND
	Acenaphthene	1.2	2.2	[0.0051]	ND	[0.000096]	ND	[0.0051]	ND	[0.0051]	ND	[0.000097]	ND	[0.00515]	ND	[0.000099]	ND	[0.0001]	ND	[0.000095]	ND	[0.000096]	ND
	Acenaphthylene	2.2	2.2	[0.0051]	ND	[0.000077]	ND	[0.0051]	ND	[0.0051]	ND	[0.000077]	ND	[0.00515]	ND	[0.000079]	ND	[0.000081]	ND	[0.000076]	ND	[0.000077]	ND
	Aniline	--	--	[0.0255]	ND	--	--	[0.0255]	ND	[0.0255]	ND	--	--	[0.0257]	ND	--	--	--	--	--	--	--	--
	Anthracene	9.6	11	[0.0051]	ND	[0.000038]	ND	[0.0051]	ND	[0.0051]	ND	[0.000039]	ND	[0.00515]	ND	[0.00004]	ND	[0.00004]	ND	[0.00038]	ND	[0.00039]	ND
	Azobenzene	--	--	[0.0051]	ND	--	--	[0.0051]	ND	[0.0051]	ND	--	--	[0.00515]	ND	--	--	--	--	--	--	--	--
	Benzo[a]anthracene	0.0012	0.0012	[0.0051]	ND	[0.000058]	ND	[0.0051]	ND	[0.0051]	ND	[0.000058]	ND	[0.00515]	ND	[0.000059]	ND	[0.00006]	ND	[0.000057]	ND	[0.000058]	ND
	Benzo[a]pyrene	0.0002	0.0002	[0.0051]	ND	[0.000038]	ND	[0.0051]	ND	[0.0051]	ND	[0.000039]	ND	[0.00515]	ND	[0.00004]	ND	[0.00004]	ND	[0.000038]	ND	[0.000039]	ND
	Benzo[b]fluoranthene	0.0012	0.0012	[0.0051]	ND	[0.000077]	ND	[0.0051]	ND	[0.0051]	ND	[0.000077]	ND	[0.00515]	ND	[0.000079]	ND	[0.000081]	ND	[0.000076]	ND	[0.000077]	ND
	Benzo[g,h,i]perylene	1.1	1.1	[0.0051]	ND	[0.000058]	ND	[0.0051]	ND	[0.0051]	ND	[0.000058]	ND	[0.00515]	ND	[0.000059]	ND	[0.00006]	ND	[0.000057]	ND	[0.000058]	ND
	Benzo[k]fluoranthene	0.012	0.012	[0.0051]	ND	[0.000058]	ND	[0.0051]	ND	[0.0051]	ND	[0.000058]	ND	[0.00515]	ND	[0.000059]	ND	[0.00006]	ND	[0.000057]	ND	[0.000058]	ND

Table 7
Summary of Analytical Results - Water Bearing Unit 2
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																	
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	MW-91A				MW-91A (Duplicate)		OW-2				OW-4				APT-1		APT-1 (Duplicate)		APT-2	
				4/21/2016 18:10		09/22/2016 18:00		04/21/2016 18:10		08/10/2016 11:45		09/22/2016 13:10		08/10/2016 16:25		09/22/2016 16:06		09/20/2016 10:32		09/20/2016 10:32		09/21/2016 14:00	
				Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
SW8270D SVOC	Benzoic acid	150	150	[0.0255]	ND	[0.0029]	ND	[0.0255]	ND	[0.0255]	ND	[0.0029]	ND	[0.0257]	ND	[0.003]	ND	[0.003]	ND	**0.0045**	=	[0.0029]	ND
	Benzyl alcohol	--	--	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.002]	ND	[0.00038]	ND	[0.00039]	ND
	Bis(2chloro1methylethyl)Ether	--	--	[0.0051]	ND	--	--	[0.0051]	ND	[0.0051]	ND	--	--	[0.00515]	ND	--	--	--	--	--	--	--	--
	Bis(2-chloroethoxy)methane	--	--	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	Bis(2-chloroethyl)ether	0.00077	0.00077	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	Bis(2-ethylhexyl) phthalate	0.006	0.006	[0.0051]	ND	[0.0029]	ND	[0.0051]	ND	[0.0051]	ND	[0.0029]	ND	[0.00515]	ND	[0.003]	ND	[0.003]	ND	[0.0028]	ND	[0.0029]	ND
	bis(chloroisopropyl) ether	1.4	--	--	--	[0.00038]	ND	--	--	--	--	[0.00039]	ND	--	--	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	Butyl benzyl phthalate	3	7.3	[0.0051]	ND	[0.00058]	ND	[0.0051]	ND	[0.0051]	ND	[0.00058]	ND	[0.00515]	ND	[0.00059]	ND	**0.0006**	=	[0.00057]	ND	[0.00058]	ND
	Carbazole	0.043	0.043	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	Chrysene	0.12	0.12	[0.0051]	ND	[0.000038]	ND	[0.0051]	ND	[0.0051]	ND	[0.000039]	ND	[0.00515]	ND	[0.00004]	ND	[0.00004]	ND	[0.000038]	ND	[0.000039]	ND
	Dibenz(a,h)anthracene	0.00012	0.00012	[0.0051]	ND	[0.000058]	ND	[0.0051]	ND	[0.0051]	ND	[0.000058]	ND	[0.00515]	ND	[0.000059]	ND	[0.00006]	ND	[0.000057]	ND	[0.000058]	ND
	Dibenzofuran	0.073	0.073	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	Diethyl phthalate	23	29	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	Dimethyl phthalate	313	370	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	Di-n-butyl phthalate	2.7	3.7	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	Di-n-octyl phthalate	1.5	1.5	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	Fluoranthene	0.3	1.5	[0.0051]	ND	[0.000048]	ND	[0.0051]	ND	[0.0051]	ND	[0.000048]	ND	[0.00515]	ND	[0.00005]	ND	[0.00005]	ND	[0.000047]	ND	[0.000048]	ND
	Fluorene	1.3	1.5	[0.0051]	ND	[0.000058]	ND	[0.0051]	ND	[0.0051]	ND	[0.000058]	ND	[0.00515]	ND	[0.000059]	ND	[0.00006]	ND	[0.000057]	ND	[0.000058]	ND
	Hexachlorobenzene	0.001	0.001	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	Hexachlorobutadiene	0.0073	0.0073	[0.0051]	ND	[0.00058]	ND, QL	[0.0051]	ND	[0.0051]	ND	[0.00058]	ND, QL	[0.00515]	ND	[0.00059]	ND, QL	[0.0006]	ND, QL	[0.00057]	ND, QL	[0.00058]	ND, QL
	Hexachlorocyclopentadiene	0.05	0.05	[0.0153]	ND	[0.0019]	ND	[0.0153]	ND	[0.0153]	ND	[0.0019]	ND	[0.0155]	ND	[0.002]	ND	[0.002]	ND	[0.0019]	ND	[0.0019]	ND
	Hexachloroethane	0.04	0.04	[0.0051]	ND	[0.00058]	ND	[0.0051]	ND	[0.0051]	ND	[0.00058]	ND	[0.00515]	ND	[0.00059]	ND	[0.0006]	ND	[0.00057]	ND	[0.00058]	ND
	Indeno[1,2,3-cd]pyrene	0.0012	0.0012	[0.0051]	ND	[0.000058]	ND	[0.0051]	ND	[0.0051]	ND	[0.000058]	ND	[0.00515]	ND	[0.000059]	ND	[0.00006]	ND	[0.000057]	ND	[0.000058]	ND
	Isophorone	0.9	0.9	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	Naphthalene	0.73	0.73	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	Nitrobenzene	0.017	0.018	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	N-Nitrosodimethylamine	--	0.000017	[0.0051]	ND	--	--	[0.0051]	ND	[0.0051]	ND	--	--	[0.00515]	ND	--	--	--	--	--	--	--	--
	N-Nitrosodi-n-propylamine	0.00012	0.00012	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND
	N-Nitrosodiphenylamine	0.17	0.17	[0.0051]	ND	[0.00038]	ND	[0.0051]	ND	[0.0051]	ND	**0.00042**	=	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND, ML	[0.00038]	ND	[0.00039]	ND
	Pentachlorophenol	0.001	0.001	[0.0255]	ND	[0.00067]	ND	[0.0255]	ND	[0.0255]	ND	[0.00068]	ND	[0.0257]	ND	[0.00069]	ND	[0.00071]	ND	[0.00066]	ND	[0.00067]	ND
	Phenanthrene	11	11	[0.0051]	ND	[0.000077]	ND	[0.0051]	ND	[0.0051]	ND	[0.000077]	ND	[0.00515]	ND	[0.000079]	ND	[0.000081]	ND	[0.000076]	ND	[0.000077]	ND
	Phenol	11	11	[0.0051]	ND	[0.00058]	ND	[0.0051]	ND	[0.0051]	ND	[0.00058]	ND	[0.00515]	ND	[0.00059]	ND	[0.0006]	ND	[0.00057]	ND	[0.00058]	ND
	Pyrene	0.96	1.1	[0.0051]	ND	[0.000058]	ND	[0.0051]	ND	[0.0051]	ND	[0.000058]	ND	[0.00515]	ND	[0.000059]	ND	[0.00006]	ND	[0.000057]	ND	[0.000058]	ND

Notes:

1 - This screening level corresponds to ADEC groundwater cleanup levels from 18 AAC 75.345 Table C. Revised 5/8/2016
http://dec.alaska.gov/commish/regulations/pdfs/18%20aac%2075.pdf
2 - This screening level corresponds to the most conservative values within ADEC Water Quality Standards 18 AAC 70. Amended 2/19/2016.
https://dec.alaska.gov/commish/regulations/pdfs/18%20AAC%2070.pdf
3 - The field sample identification number and date collected are provided.
4 - For detected results, the sample result is listed in this column. For results of non-detect, the LOD is listed in [ ] in this column.
5 - ADEC Calculator: http://dec.alaska.gov/water/cruise_ships/gp/2010/zinc_rpa_stationary.xls
6 - May not exceed 5 NTUs above natural conditions (NC) when the natural turbidity is 50 NTU or less, and may not have more than
10% increase in turbidity when the natural turbidity is more than 50 NTU, not to exceed a maximum increase of 25 NTU. Turbidity screening
levels corresponds to ADEC Alaska General Permit AKG003000 for discharge of Aquifer Pump Test (Table 6).
http://dec.alaska.gov/water/wnpspc/stormwater/docs/AKG003000_Hydrostatic_GP_Permit.pdf
7 - Standards are specific to various factors, such as a receiving water body (e.g., freshwater or saltwater)
See ADEC Water Quality Criteria Manual for Toxic and other Deleterious Organic and Inorganic substances,
as amended through December 12, 2008, Appendices C through g.

Sample results exceeding the ADEC Table C Groundwater screening criteria are shown in (**BOLD** with yellow shading).
Analyte was not detected, but the LOD was above the screening level (light blue shading).
Deteted contentrations listed in **BOLD**

Data Flags

=	Analyte detected at concentration listed in column to the left.
B	The reported concentration was less than five times that of the associated method blank and/or trip blank.
J	Result is considered an estimated value because the level is below the laboratory LOQ, but above the DL.
ND	Non-detect, LOD is in brackets [ ] in the concentration column.
MH, ML, MN	The quantitation was an estimate due to a quality control failure. Where applicable, a "H", "L", or "N" was used to indicate possible high, low, or unknown bias.
QH, QL, QN	The quantitation was an estimate due to a sample matrix quality control failure. Where applicable, a "H", "L", or "N" was used to indicate possible high, low, or unknown bias.
H	Holding Time Exceeded
U	Analyte was analyzed for but not detected
*	Lab Control Sample or Lab Control Sample Duplicate outside of acceptance limits

Abbreviations

--	Not applicable or screening criteria does not exist for this compound
AAC	Alaska Administrative Code
ADEC	Alaska Department of Environmental Conservation
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
PAH	Polycyclic Aromatic Hydrocarbon
SVOCs	Semi-volatile Organic Compounds
VOCs	Volatile Organic Compounds

Table 8
Summary of Analytical Results - Water Bearing Unit 3
Alaska Onshore LNG. 2016

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification [3]	
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	APT-3	
				09/20/2016 10:32	
				Conc.[4]	Flag
200.8 Metal, Dissolved	Aluminum, Dissolved	--	--	**0.38**	=
	Antimony, Dissolved	--	--	**0.0019**	=
	Arsenic, Dissolved	0.01	--	**0.0575**	=
	Barium, Dissolved	--	--	**0.0123**	=
	Beryllium, Dissolved	--	--	**0.0000339**	J
	Bismuth, Dissolved	--	--	**0.0000368**	J
	Boron, Dissolved	--	--	**0.98**	=
	Cadmium, Dissolved [5]	0.06	--	**0.0000341**	J
	Calcium, Dissolved	--	--	**2.57**	=
	Chromium, Dissolved	0.011	--	**0.00426**	=
	Cobalt, Dissolved	--	--	**0.000597**	=
	Copper, Dissolved [5]	0.00161	--	**0.00736**	=
	Iron, Dissolved	--	--	**0.937**	=
	Lead, Dissolved [5]	0.00027	--	**0.000861**	=
	Magnesium, Dissolved	--	--	**2.13**	=
	Manganese, Dissolved	--	--	**0.0353**	=
	Molybdenum, Dissolved	--	--	**0.0431**	=
	Nickel, Dissolved [5]	0.0095	--	**0.00371**	=
	Potassium, Dissolved	--	--	**6.99**	=
	Selenium, Dissolved	--	--	[0.0005]	ND
	Silicon, Dissolved	--	--	**5.85**	=,QH
	Silver, Dissolved [5]	0.00011	--	**0.0000129**	J
	Sodium, Dissolved	--	--	**184**	=
	Thallium, Dissolved	--	--	[0.00001]	ND
	Tin, Dissolved	--	--	[0.0001]	ND
	Vanadium, Dissolved	--	--	**0.0125**	=
	Zinc, Dissolved [5]	0.02134	--	**0.114**	=
200.8 Metal, Total	Aluminum, Total	0.087	--	**12.7**	=
	Antimony, Total	0.006	0.006	**0.00154**	=
	Arsenic, Total	0.01	0.01	**0.0798**	=
	Barium, Total	2	2	**0.0888**	=
	Beryllium, Total	0.004	0.004	**0.000228**	=
	Bismuth, Total	--	--	**0.0003**	=
	Boron, Total	0.75	--	**1.08**	=
	Cadmium, Total	0.01	0.005	**0.000125**	=
	Calcium, Total	--	--	**5.19**	=
	Chromium, Total	0.011	0.1	**0.0283**	=
	Cobalt, Total	0.05	--	**0.00644**	=
	Copper, Total	0.0031	1	**0.0992**	=
	Iron, Total	1	--	**20.7**	=
	Lead, Total	0.0081	0.015	**0.0085**	=
	Magnesium, Total	--	--	**5.47**	=
	Manganese, Total	0.05	--	**0.335**	=
	Molybdenum, Total	0.01	--	**0.0438**	=
	Nickel, Total	0.0082	0.1	**0.0235**	=
	Potassium, Total	--	--	**8.32**	=
	Selenium, Total	0.005	0.05	[0.0005]	ND
	Silver, Total	0.0019	0.1	**0.000162**	=
	Sodium, Total	--	--	**195**	=
	Thallium, Total	0.0017	0.002	**0.0000563**	=
	Tin, Total	--	--	**0.000263**	=
	Vanadium, Total	0.1	0.26	**0.0415**	=
	Zinc, Total	0.081	5	**2.94**	=
EPA 1631 E, Dissolved	Mercury, Dissolved	0.00077	--	**0.00000241**	=
EPA 1631 E, Total	Mercury, Total	0.00005	0.002	**0.0000258**	=
AK101	Gasoline Range Organics	2.2	2.2	[0.05]	ND
AK102	Diesel Range Organics	1.5	1.5	**0.518**	J,B
AK103	Residual Range Organics	1.1	1.1	**0.165**	J
EPA 300.0	Chloride	230	--	**41.6**	=
	Fluoride	1	--	**3.03**	=
	Nitrate-N	--	--	[0.25]	ND
	Nitrite-N	--	--	[0.25]	ND
	Sulfate	250	--	**3.88**	=
EPA 410.4	Chemical Oxygen Demand	--	--	**102**	=
SM21 2130B	Turbidity (NTU)	See Note 6	--	**210**	=
SM21 2320B	Alkalinity	<20000	--	**509**	=
SM21 2340B	Hardness as CaCO3	--	--	**15.2**	=
SM21 2540B	Total Solids	--	--	**732**	=
SM21 2540C	Total Dissolved Solids	500	--	**709**	=
SM21 2540D	Total Suspended Solids	--	--	**80.7**	=
SM21 4500-NH3 G	Ammonia-N	See Note 7	--	**0.309**	=
SM21 4500-N D	Total Kjeldahl Nitrogen	--	--	**0.891**	J
SM21 4500NO3-F	Nitrate-N	--	--	**--**	--
	Nitrite-N	--	--	**--**	--
SM21 4500P-B,E	Total Phosphorus	--	--	**4.88**	=
	Ortho Phosphate-P	--	--	**4.49**	=
SM21 5310B	Total Organic Carbon	--	--	**22.2**	=
	Dissolved Organic Carbon	--	--	**14.9**	=
SM21 9222D	Fecal Coliform (Col/100mL)	1	--	[1.64]	ND
SM21 10200H	Chlorophyll A (mg/m^3)	--	--	[6.1]	ND

Table 8
Summary of Analytical Results - Water Bearing Unit 3
Alaska Onshore LNG. 2016

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification [3]	
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	APT-3	
				09/20/2016 10:32	
				Conc.[4]	Flag
SW8082A PCB	Aroclor-1016	0.000014	0.0005	[0.000206]	ND
	Aroclor-1221	0.000014	0.0005	[0.000515]	ND
	Aroclor-1232	0.000014	0.0005	[0.0000515]	ND
	Aroclor-1242	0.000014	0.0005	[0.0000515]	ND
	Aroclor-1248	0.000014	0.0005	[0.0000515]	ND
	Aroclor-1254	0.000014	0.0005	[0.0000515]	ND
	Aroclor-1260	0.000014	0.0005	[0.0000515]	ND
SW 8270D SIM (PESTICIDE)	4,4'-DDD	0.0035	0.0035	[0.0000153]	ND, QL
	4,4'-DDE	0.0025	0.0025	[0.0000153]	ND, QL
	4,4'-DDT	0.000001	0.0025	[0.0000153]	ND, QL
	Aldrin	0.003	--	[0.0000153]	ND, QL
	alpha-BHC	0.00014	0.00014	[0.0000153]	ND, QL
	alpha-Chlordane	0.000004	0.002	[0.0000153]	ND, QL
	beta-BHC	0.00047	0.00047	[0.0000153]	ND, QL
	delta-BHC	--	--	[0.0000153]	ND, QL
	Dieldrin	0.0000019	0.000053	[0.0000153]	ND, QL
	Endosulfan I	0.0000087	0.22	[0.0000153]	ND, QL
	Endosulfan II	0.0000087	0.22	[0.0000153]	ND, QL
	Endosulfan sulfate	0.11	--	[0.0000153]	ND, QL
	Endrin	0.0000023	0.002	[0.0000153]	ND, QL
	Endrin aldehyde	0.00076	--	[0.0000153]	ND, QL
	Endrin ketone	--	--	[0.0000153]	ND, QL
	gamma-BHC (Lindane)	0.00016	0.0002	[0.0000153]	ND, QL
	gamma-Chlordane	0.000004	0.002	[0.0000153]	ND, QL
	Heptachlor	0.0000036	0.0004	[0.0000153]	ND, QL
	Heptachlor epoxide	0.0000036	0.0002	[0.0000153]	ND, QL
	Methoxychlor	0.00003	0.04	[0.0000153]	ND, QL
	Toxaphene	0.0000002	0.003	[0.00102]	ND
SW8011, LL VOC	1,2,3-Trichloropropane	0.00012	0.00012	[0.000019]	ND
	1,2-Dibromoethane	0.00005	0.00005	[0.000019]	ND
SW8260C VOC	1,1,1,2-Tetrachloroethane	--	--	--	--
	1,1,1-Trichloroethane	0.2	0.2	[0.003]	ND
	1,1,2,2-Tetrachloroethane	0.0043	0.0043	[0.001]	ND
	1,1,2-Trichloroethane	0.005	0.005	[0.001]	ND
	1,1-Dichloroethane	7.3	7.3	[0.002]	ND
	1,1-Dichloroethene	0.007	0.007	[0.002]	ND
	1,1-Dichloropropene	--	--	[0.003]	ND
	1,2,3-Trichlorobenzene	--	--	[0.002]	ND
	1,2,3-Trichloropropane	0.00012	0.00012	[0.002]	ND
	1,2,4-Trichlorobenzene	0.07	0.07	[0.001]	ND
	1,2,4-Trimethylbenzene	1.8	1.8	[0.003]	ND
	1,2-Dibromo-3-Chloropropane	0.0002	--	[0.01]	ND
	1,2-Dibromoethane	0.00005	0.00005	[0.001]	ND
	1,2-Dichlorobenzene	0.6	0.6	[0.002]	ND
	1,2-Dichloroethane	0.005	0.005	[0.001]	ND
	1,2-Dichloropropane	0.005	0.005	[0.001]	ND
	1,3,5-Trimethylbenzene	1.8	1.8	[0.003]	ND
	1,3-Dichlorobenzene	0.4	3.3	[0.002]	ND
	1,3-Dichloropropane	--	--	[0.001]	ND
	1,4-Dichlorobenzene	0.075	0.075	[0.004]	ND
	2,2-Dichloropropane	--	--	[0.003]	ND
	2-Butanone	22	22	[0.02]	ND
	2-Chlorotoluene	--	--	[0.003]	ND
	2-Hexanone	--	--	[0.02]	ND
	4-Chlorotoluene	--	--	[0.002]	ND
	4-Isopropyltoluene	--	--	[0.003]	ND
	4-Methyl-2-pentanone	2.9	2.9	[0.015]	ND
	Acetone	--	--	[0.05]	ND
	Benzene	0.005	0.005	[0.002]	ND
	Bromobenzene	--	--	[0.002]	ND
	Bromochloromethane	--	--	[0.002]	ND
	Bromodichloromethane	0.014	0.014	[0.002]	ND
	Bromoform	0.08	0.11	[0.001]	ND
	Bromomethane	0.048	0.051	[0.005]	ND
	Carbon disulfide	3.7	3.7	[0.001]	ND
	Carbon tetrachloride	0.005	0.005	[0.003]	ND
	Chlorobenzene	0.1	0.1	[0.002]	ND
	Chloroethane	0.29	0.29	[0.005]	ND
	Chloroform	0.08	0.14	[0.005]	ND
	Chloromethane	0.066	0.066	[0.005]	ND
	cis-1,2-Dichloroethene	0.07	0.07	[0.001]	ND
	cis-1,3-Dichloropropene	0.0085	0.0085	[0.001]	ND
	Dibromochloromethane	0.01	0.01	[0.001]	ND
	Dibromomethane	0.37	0.37	[0.001]	ND
	Dichlorodifluoromethane	7.3	7.3	[0.002]	ND
	Ethylbenzene	0.7	0.7	[0.003]	ND
	Freon-113	--	1100	--	--

Table 8
Summary of Analytical Results - Water Bearing Unit 3
Alaska Onshore LNG. 2016

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification [3]	
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	APT-3	
				09/20/2016 10:32	
				Conc.[4]	Flag
SW8260C VOC	Hexachlorobutadiene	0.0073	0.0073	[0.002]	ND
	Isopropylbenzene	3.7	3.7	[0.002]	ND
	Methylene Chloride	0.005	0.005	[0.005]	ND
	Methyl tert-butyl ether	0.47	0.47	[0.001]	ND
	Naphthalene	0.73	0.73	[0.002]	ND
	n-Butylbenzene	0.37	0.37	[0.003]	ND
	N-Propylbenzene	0.37	0.37	[0.003]	ND
	o-Xylene	10	10	[0.002]	ND
	P & M -Xylene	--	10	[0.003]	ND
	sec-Butylbenzene	0.37	0.37	[0.003]	ND
	Styrene	0.1	0.1	[0.005]	ND
	t-Butylbenzene	0.37	0.37	[0.003]	ND
	Tetrachloroethene	0.005	0.005	[0.003]	ND
	Toluene	1	1	**0.0029**	=
	trans-1,2-Dichloroethene	0.1	0.1	[0.003]	ND
	trans-1,3-Dichloropropene	0.0085	0.0085	[0.001]	ND
	Trichloroethene	0.005	0.005	**0.015**	=
	Trichlorofluoromethane	11	11	[0.003]	ND
	Vinyl acetate	--	37	**--**	--
	Vinyl chloride	0.002	0.002	[0.001]	ND
	Xylenes (total)	--	10	[0.005]	ND
EPA 625M SIM (PAH)	Acenaphthene	--	--	**--**	--
	Acenaphthylene	--	--	**--**	--
	Anthracene	--	--	**--**	--
	Benzo(a)Anthracene	--	--	**--**	--
	Benzo[a]pyrene	--	--	**--**	--
	Benzo[b]Fluoranthene	--	--	**--**	--
	Benzo[g,h,i]perylene	--	--	**--**	--
	Benzo[k]fluoranthene	--	--	**--**	--
	Chrysene	--	--	**--**	--
	Dibenzo[a,h]anthracene	--	--	**--**	--
	Fluoranthene	--	--	**--**	--
	Fluorene	--	--	**--**	--
	Indeno[1,2,3-c,d] pyrene	--	--	**--**	--
	Naphthalene	--	--	**--**	--
	Phenanthrene	--	--	**--**	--
	Pyrene	--	--	**--**	--
SW8270D SVOC	1,2,4-Trichlorobenzene	0.07	0.07	[0.00038]	ND
	1,2-Dichlorobenzene	0.6	0.6	[0.00038]	ND
	1,3-Dichlorobenzene	0.4	3.3	[0.00038]	ND
	1,4-Dichlorobenzene	0.075	0.075	[0.00038]	ND
	1-Chloronaphthalene	--	--	**--**	--
	1-Methylnaphthalene	0.15	0.15	[0.000057]	ND
	2,4,5-Trichlorophenol	2.6	3.7	[0.00038]	ND
	2,4,6-Trichlorophenol	0.077	0.077	[0.00057]	ND
	2,4-Dichlorophenol	0.093	0.11	[0.00038]	ND
	2,4-Dimethylphenol	0.54	0.73	[0.0019]	ND
	2,4-Dinitrophenol	0.07	0.073	[0.0048]	ND
	2,4-Dinitrotoluene	0.0013	0.0013	[0.00038]	ND
	2,6-Dichlorophenol	--	--	**--**	--
	2,6-Dinitrotoluene	0.0013	0.0013	[0.00038]	ND
	2-Chloronaphthalene	1.7	2.9	[0.000057]	ND
	2-Chlorophenol	0.12	0.18	[0.00038]	ND
	2-Methyl-4,6-dinitrophenol	--	--	**--**	--
	2-Methylnaphthalene	0.15	0.15	[0.00019]	ND
	2-Methylphenol	1.8	1.8	[0.00038]	ND
	2-Nitroaniline	--	--	[0.00038]	ND
	2-Nitrophenol	--	--	[0.00038]	ND
	3 & 4 Methylphenol	--	--	[0.00076]	ND
	3,3'-Dichlorobenzidine	0.0019	0.0019	[0.0019]	ND, QL
	3-Nitroaniline	--	--	[0.00038]	ND
	4,6-Dinitro-2-methylphenol	0.0134	--	[0.0038]	ND
	4-Bromophenyl phenyl ether	--	--	[0.00038]	ND
	4-Chloro-3-methylphenol	--	--	[0.00038]	ND
	4-Chloroaniline	0.016	0.016	[0.00038]	ND, R
	4-Chlorophenyl phenyl ether	--	--	[0.00038]	ND
	4-Nitroaniline	--	--	[0.00057]	ND
	4-Nitrophenol	--	--	[0.0029]	ND
	Acenaphthene	1.2	2.2	[0.000095]	ND
	Acenaphthylene	2.2	2.2	[0.000076]	ND
	Aniline	--	--	**--**	--
	Anthracene	9.6	11	[0.000038]	ND
	Azobenzene	--	--	**--**	--
	Benzo[a]anthracene	0.0012	0.0012	[0.000057]	ND
	Benzo[a]pyrene	0.0002	0.0002	[0.000038]	ND
	Benzo[b]fluoranthene	0.0012	0.0012	[0.000076]	ND
	Benzo[g,h,i]perylene	1.1	1.1	[0.000057]	ND
	Benzo[k]fluoranthene	0.012	0.012	[0.000057]	ND

Table 8
Summary of Analytical Results - Water Bearing Unit 3
Alaska Onshore LNG. 2016

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification [3]	
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	APT-3	
				09/20/2016 10:32	
				Conc.[4]	Flag
SW8270D SVOC	Benzoic acid	150	150	[0.0029]	ND
	Benzyl alcohol	--	--	[0.00038]	ND
	Bis(2chloro1methylethyl)Ether	--	--	--	--
	Bis(2-chloroethoxy)methane	--	--	[0.00038]	ND
	Bis(2-chloroethyl)ether	0.00077	0.00077	[0.00038]	ND
	Bis(2-ethylhexyl) phthalate	0.006	0.006	[0.0029]	ND
	bis(chloroisopropyl) ether	1.4	--	[0.00038]	ND
	Butyl benzyl phthalate	3	7.3	[0.00057]	ND
	Carbazole	0.043	0.043	[0.00038]	ND
	Chrysene	0.12	0.12	[0.000038]	ND
	Dibenz(a,h)anthracene	0.00012	0.00012	[0.000057]	ND
	Dibenzofuran	0.073	0.073	[0.00038]	ND
	Diethyl phthalate	23	29	[0.00038]	ND
	Dimethyl phthalate	313	370	[0.00038]	ND
	Di-n-butyl phthalate	2.7	3.7	[0.00038]	ND
	Di-n-octyl phthalate	1.5	1.5	[0.00038]	ND
	Fluoranthene	0.3	1.5	[0.000048]	ND
	Fluorene	1.3	1.5	[0.000057]	ND
	Hexachlorobenzene	0.001	0.001	[0.00038]	ND
	Hexachlorobutadiene	0.0073	0.0073	[0.00057]	ND, QL
	Hexachlorocyclopentadiene	0.05	0.05	[0.0019]	ND
	Hexachloroethane	0.04	0.04	[0.00057]	ND
	Indeno[1,2,3-cd]pyrene	0.0012	0.0012	[0.000057]	ND
	Isophorone	0.9	0.9	[0.00038]	ND
	Naphthalene	0.73	0.73	[0.00038]	ND
	Nitrobenzene	0.017	0.018	[0.00038]	ND
	N-Nitrosodimethylamine	--	0.000017	--	--
	N-Nitrosodi-n-propylamine	0.00012	0.00012	[0.00038]	ND
	N-Nitrosodiphenylamine	0.17	0.17	[0.00038]	ND
	Pentachlorophenol	0.001	0.001	[0.00067]	ND
	Phenanthrene	11	11	[0.000076]	ND
	Phenol	11	11	[0.00057]	ND
	Pyrene	0.96	1.1	[0.000057]	ND

Notes:
1 - This screening level corresponds to ADEC groundwater cleanup levels from 18 AAC 75.345 Table C. Revised 5/8/2016
http://dec.alaska.gov/commish/regulations/pdfs/18%20aac%2075.pdf
2 - This screening level corresponds to the most conservative values within ADEC Water Quality Standards 18 AAC 70. Amended 2/19/2016.
https://dec.alaska.gov/commish/regulations/pdfs/18%20AAC%2070.pdf
3 - The field sample identification number and date collected are provided.
4 - For detected results, the sample result is listed in this column. For results of non-detect, the LOD is listed in [ ] in this column.
5 - ADEC Calculator: http://dec.alaska.gov/water/cruise_ships/gp/2010/zinc_rpa_stationary.xls
6 - May not exceed 5 NTUs above natural conditions (NC) when the natural turbidity is 50 NTU or less, and may not have more than 10% increase in turbidity when the natural turbidity is more than 50 NTU, not to exceed a maximum increase of 25 NTU. Turbidity screening levels corresponds to ADEC Alaska General Permit AKG003000 for discharge of Aquifer Pump Test (Table 6).
http://dec.alaska.gov/water/wnpspc/stormwater/docs/AKG003000_Hydrostatic_GP_Permit.pdf
7 - Standards are specific to various factors, such as a receiving water body (e.g., freshwater or saltwater)
See ADEC Water Quality Criteria Manual for Toxic and other Deleterious Organic and Inorganic substances, as amended through December 12, 2008, Appendices C through g.

Sample results exceeding the ADEC Table C Groundwater screening criteria are shown in (**BOLD** with yellow shading).
Analyte was not detected, but the LOD was above the screening level (light blue shading).
Detected concentrations listed in **BOLD**

Data Flags

=	Analyte detected at concentration listed in column to the left.
B	The reported concentration was less than five times that of the associated method blank and/or trip blank.
J	Result is considered an estimated value because the level is below the laboratory LOQ, but above the DL.
ND	Non-detect, LOD is in brackets [ ] in the concentration column.
MH, ML, MN	The quantitation was an estimate due to a quality control failure. Where applicable, a "H", "L", or "N" was used to indicate possible high, low, or unknown bias.
QH, QL, QN	The quantitation was an estimate due to a sample matrix quality control failure. Where applicable, a "H", "L", or "N" was used to indicate possible high, low, or unknown bias.
H	Holding Time Exceeded
U	Analyte was analyzed for but not detected
*	Lab Control Sample or Lab Control Sample Duplicate outside of acceptance limits

Abbreviations

--	Not applicable or screening criteria does not exist for this compound
AAC	Alaska Administrative Code
ADEC	Alaska Department of Environmental Conservation
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
PAH	Polycyclic Aromatic Hydrocarbon
SVOCs	Semi-volatile Organic Compounds
VOCs	Volatile Organic Compounds

Table 9
Summary of Analytical Results - Third Party Wells
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																					
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	PQW-1								TPW-1				TPW-1 (Duplicate)				TPW-2				TPW-5			
				4/23/2016 16:30		6/7/2016 13:30		6/7/2016 13:35		09/12/2016 15:10		04/23/2016 14:25		09/12/2016 11:57		4/23/2016 14:25		09/12/2016 11:57		4/23/2016 17:45		09/12/2016 10:05		08/11/2016 14:05		09/12/2016 16:49	
				Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
200.8 Metal, Dissolved	Aluminum, Dissolved	--	--	**0.000823**	J	--	--	--	--	**0.00176**	J	**0.00311**	=	**0.000769**	J	--	--	**0.000704**	J	**0.00231**	=	**0.00188**	J	**0.00484**	J,B	--	--
	Antimony, Dissolved	--	--	[0.000025]	ND	--	--	--	--	[0.000025]	ND	**0.0000222**	J	**0.0000209**	J	--	--	**0.0000294**	J	[0.000025]	ND	[0.000025]	ND	**0.0000516**	=	--	--
	Arsenic, Dissolved	0.01	--	[0.0004]	ND	--	--	--	--	**0.00104**	=	[0.0004]	ND	[0.0004]	ND	--	--	[0.0004]	ND	**0.0156**	=	**0.0159**	=	**0.000418**	J	--	--
	Barium, Dissolved	--	--	**0.0208**	=	--	--	--	--	**0.0431**	=	**0.000568**	=	**0.000424**	=	--	--	**0.000366**	=	**0.0104**	=	**0.012**	=	**0.00282**	=	--	--
	Beryllium, Dissolved	--	--	[0.000025]	ND	--	--	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--
	Bismuth, Dissolved	--	--	[0.000025]	ND	--	--	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--
	Boron, Dissolved	--	--	**0.00544**	=	--	--	--	--	**0.00649**	=	**0.0335**	=	**0.0299**	=	--	--	**0.03**	=	**0.0246**	=	**0.0225**	=	**0.0063**	J,B	--	--
	Cadmium, Dissolved [5]	0.06	--	[0.000025]	ND	--	--	--	--	[0.000025]	ND	**0.0000333**	J	[0.000025]	ND	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**0.000892**	=	--	--
	Calcium, Dissolved	--	--	**15.8**	=	--	--	--	--	**18.4**	=	**6.61**	=	**6.34**	=	--	--	**6.12**	=	**17.9**	=	**18.8**	=	**8.33**	=	--	--
	Chromium, Dissolved	0.011	--	[0.00025]	ND	--	--	--	--	[0.00025]	ND	**0.000534**	=	[0.00025]	ND	--	--	[0.00025]	ND	**0.000185**	J	[0.00025]	ND	[0.00025]	ND	--	--
	Cobalt, Dissolved	--	--	**0.0000325**	=	--	--	--	--	**0.0000454**	=	**0.0000922**	=	**0.0000269**	=	--	--	**0.0000265**	=	**0.0000284**	=	**0.0000316**	=	**0.000228**	=	--	--
	Copper, Dissolved [5]	0.00161	--	[0.00025]	ND	--	--	--	--	**0.000267**	J	**0.000653**	=	[0.00025]	ND	--	--	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	**0.000331**	J	--	--
	Iron, Dissolved	--	--	**1.08**	=	--	--	--	--	**10.6**	=	**0.652**	=	**0.106**	=	--	--	**0.0936**	=	**0.0624**	=	**0.0569**	=	**3.88**	=	--	--
	Lead, Dissolved [5]	0.00027	--	**0.000108**	=	--	--	--	--	**0.0000328**	J	**0.000623**	=	**0.000049**	J	--	--	**0.0000385**	J	**0.0000688**	J	[0.00005]	ND	**0.00278**	=	--	--
	Magnesium, Dissolved	--	--	**3.91**	=	--	--	--	--	**4.63**	=	**3.18**	=	**2.66**	=	--	--	**2.53**	=	**6.05**	=	**6.4**	=	**3.61**	=	--	--
	Manganese, Dissolved	--	--	**0.18**	=	--	--	--	--	**0.633**	=	**0.08**	=	**0.0611**	=	--	--	**0.0598**	=	**0.0858**	=	**0.0968**	=	**0.112**	=	--	--
	Molybdenum, Dissolved	--	--	**0.000525**	=	--	--	--	--	**0.000189**	=	**0.000525**	=	**0.000702**	=	--	--	**0.000656**	=	**0.000488**	=	**0.000424**	=	**0.0000733**	=	--	--
	Nickel, Dissolved [5]	0.0095	--	**0.000664**	=	--	--	--	--	**0.000438**	J	**0.00062**	=	**0.000193**	J	--	--	**0.000179**	J	**0.000328**	J	**0.00054**	J	**0.000579**	J,B	--	--
	Potassium, Dissolved	--	--	**2.95**	=	--	--	--	--	**2.5**	=	**6.38**	=	**6.44**	=	--	--	**6.3**	=	**4.82**	=	**4.74**	=	**3.18**	=	--	--
	Selenium, Dissolved	--	--	[0.0005]	ND	--	--	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	--	--
	Silicon, Dissolved	--	--	**0.575**	=, QH	--	--	--	--	**10.6**	=	**1.54**	=, QH	**1.1**	=	--	--	**1.02**	=	**14.5**	=, QH	**14.9**	=	**0.826**	=	--	--
	Silver, Dissolved [5]	0.00011	--	[0.00001]	ND	--	--	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	--	--
	Sodium, Dissolved	--	--	**12.8**	=	--	--	--	--	**8.74**	=	**9.74**	=	**8.99**	=	--	--	**8.59**	=	**7.62**	=	**7.01**	=	**4.59**	=	--	--
	Thallium, Dissolved	--	--	[0.00001]	ND	--	--	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	--	--
	Tin, Dissolved	--	--	[0.0001]	ND	--	--	--	--	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	--	--	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	--	--
	Vanadium, Dissolved	--	--	[0.0005]	ND	--	--	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	**0.000322**	J	[0.0005]	ND	[0.0005]	ND	--	--
	Zinc, Dissolved [5]	0.02134	--	**0.044**	=	--	--	--	--	**0.00855**	=	**0.142**	=	**0.0383**	=	--	--	**0.037**	=	**0.000452**	J	**0.00168**	J	**0.483**	=	--	--
200.8 Metal, Total	Aluminum, Total	0.087	--	**0.0103**	=	--	--	--	--	**0.426**	=	**0.0294**	=	**0.02**	=, MN	--	--	**0.00967**	=, MN	**0.00193**	J	**0.00189**	J	**0.0537**	=	--	--
	Antimony, Total	0.006	0.006	[0.000025]	ND	--	--	--	--	**0.000128**	=	**0.000058**	=	**0.000254**	=, MN	--	--	**0.000166**	=, MN	[0.000025]	ND	[0.000025]	ND	**0.000392**	=	--	--
	Arsenic, Total	0.01	0.01	**0.000555**	J	--	--	--	--	**0.00596**	=	[0.0004]	ND	**0.000302**	J	--	--	[0.0004]	ND	**0.0143**	=	**0.0149**	=	**0.000795**	J	[0.0004]	ND
	Barium, Total	2	2	**0.0215**	=	--	--	--	--	**0.0485**	=	**0.00169**	=	**0.00126**	=	--	--	**0.000931**	=	**0.00985**	=	**0.0111**	=	**0.00369**	=	--	--
	Beryllium, Total	0.004	0.004	[0.000025]	ND	--	--	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--
	Bismuth, Total	--	--	[0.000025]	ND	--	--	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--
	Boron, Total	0.75	--	**0.00307**	J	--	--	--	--	**0.00647**	=	**0.0333**	=	**0.0318**	=	--	--	**0.0313**	=	**0.0231**	=	**0.0203**	=	**0.00622**	B	--	--
	Cadmium, Total	0.01	0.005	[0.000025]	ND	--	--	--	--	**0.000275**	=	**0.000186**	=	**0.000284**	=	--	--	**0.000212**	=	[0.000025]	ND	[0.000025]	ND	**0.00818**	=	--	--
	Calcium, Total	--	--	**15.8**	=	--	--	--	--	**18.5**	=	**7.23**	=	**6.95**	=	--	--	**6.71**	=	**16.7**	=	**17.5**	=	**8.57**	=	--	--
	Chromium, Total	0.011	0.1	**0.000369**	J	--	--	--	--	**0.00193**	=	**0.00176**	=	**0.000241**	J	--	--	[0.00025]	ND	**0.000254**	J	[0.00025]	ND	**0.000945**	=	--	--
	Cobalt, Total	0.05	--	**0.0000952**	=	--	--	--	--	**0.000649**	=	**0.000347**	=	**0.000177**	=, MN	--	--	**0.000118**	=, MN	**0.0000264**	=	**0.000028**	=	**0.00181**	=	--	--
	Copper, Total	0.0031	1	**0.000683**	=	--	--	--	--	**0.0247**	=	**0.00766**	=	**0.00657**	=, MN	--	--	**0.00372**	=, MN	**0.000217**	J	**0.00021**	J	**0.00249**	=	--	--
	Iron, Total	1	--	**7.31**	=	--	--	--	--	**30.5**	=	**5.98**	=	**6.26**	=, MN	--	--	**3.71**	=, MN	**0.0613**	=	**0.0588**	=	**39.9**	=	--	--
	Lead, Total	0.0081	0.015	**0.00339**	=	--	--	--	--	**0.0105**	=	**0.0065**	=	**0.00818**	=	--	--	**0.00657**	=	[0.00005]	ND	[0.00005]	ND	**0.0265**	=	--	--
	Magnesium, Total	--	--	**3.65**	=	--	--	--	--	**4.96**	=	**3.38**	=	**2.78**	=	--	--	**2.69**	=	**5.77**	=	**5.55**	=	**3.61**	=	--	--
	Manganese, Total	0.05	--	**0.222**	=	--	--	--	--	**0.751**	=	**0.147**	=	**0.109**	=	--	--	**0.092**	=	**0.0797**	=	**0.088**	=	**0.404**	=	--	--
	Molybdenum, Total	0.01	--	**0.000408**	=	--	--	--	--	**0.000299**	=	**0.00033**	=	**0.000498**	=	--	--	**0.000449**	=	**0.000436**	=	**0.000378**	=	**0.0000931**	=	--	--
	Nickel, Total	0.0082	0.1	**0.00118**	=	--	--	--	--	**0.00323**	=	**0.0024**	=	**0.000771**	=, MN	--	--	**0.000561**	=, MN	**0.000297**	J	**0.000354**	J	**0.00317**	=	--	--
	Potassium, Total	--	--	**3**	=	--	--	--	--	**2.54**	=	**7.41**	=	**7.09**	=	--	--	**6.95**	=	**4.58**	=	**4.32**	=	**3.28**	=	--	--
	Selenium, Total	0.005	0.05	[0.0005]	ND	--	--	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	--	--
	Silver, Total	0.0019	0.1	[0.00001]	ND	--	--	--	--	**0.0000676**	=	[0.00001]	ND	[0.00001]	ND	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	--	--
	Sodium, Total	--	--	**12**	=	--	--	--	--	**9.01**	=	**9.93**	=	**9.28**	=	--	--	**9.06**	=	**7.07**	=	**6.1**	=	**4.53**	=	--	--
	Thallium, Total	0.0017	0.002	[0.00001]	ND	--	--	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	--	--
	Tin, Total	--	--	[0.0001]	ND	--	--	--	--	**0.000328**	=	**0.0000699**	J	[0.0001]	ND	--	--	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	**0.0000775**	J	--	--
	Vanadium, Total	0.1	0.26	[0.0005]	ND	--	--	--	--	**0.00123**	=	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	--	--
	Zinc, Total	0.081	5	**1.41**	=	--	--	--	--	**3.19**	=	**0.95**	=	**0.775**	=	--	--	**0.621**	=	[0.00155]	ND	**0.00113**	J	**5.25**	=	--	--
EPA 1631 E, Dissolved	Mercury, Dissolved	0.00077	--	**0.000000854**	J	--	--	--	--	[0.0000005]	ND	**0.0000000517**	J	[0.0000005]	ND	--	--	[0.0000005]	ND	[0.0000005]	ND	**0.000000577**	J, B	**0.000000924**	J	--	--
EPA 1631 E, Total	Mercury, Total	0.00005	0.002	**0.000000828**	J	--	--	--	--	**0.00000153**	=, B	**0.000000646**	J	**0.000000648**	J, B	--	--	**0.000000669**	J, B	[0.0000005]	ND	**0.000000636**	J, B	**0.00000111**	=	--	--
AK101	Gasoline Range Organics	2.2	2.2	**0.204**	=	[0.05]	ND	[0.05]	ND	**0.0359**	J	[0.05]	ND	[0.05]	ND	--	--	[0.05]	ND	[0.05]	ND	[0.05]	ND	[0.05]	ND	--	--
AK102	Diesel Range Organics	1.5	1.5	[0.283]	ND	[0.294]	ND	[0.283]	ND	**0.21**	J	[0.283]	ND	**0.234**	J	--	--	**0.253**	J	[0.3]	ND	**0.228**	J	**0.421**	J	--	--
AK103	Residual Range Organics	1.1	1.1	**0.419**	J	**0.161**	J	[0.236]	ND	[0.232]	ND	**0.869**	=	[0.24]	ND	--	--	[0.245]	ND	**0.221**	J	[0.24]	ND	**0.326**	J, B	--	--
EPA 300.0	Chloride	230	--	**24.1**	=	--	--	--	--	**17.6**	=	**4.2**	=	**4.71**	=	--	--	**4.72**	=	**11.4**	=	**13.6**	=	**4.24**	=	--	--
	Fluoride	1	--	**0.035**	J	--	--	--	--	**0.094**	J	**0.078**	J	**0.134**	J	--	--	**0.129**	J	**0.097**	J	**0.145**	J	**0.094**	J	--	--
	Nitrate-N	--	--	--	--	--	--	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND	[0.1]	ND	--	--
	Nitrite-N	--	--	--	--	--	--	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND	[0.1]	ND	--	--
	Sulfate	250	--	[0.05]	ND	--	--	--	--	**1.11**	=	**0.576**	=	**0.558**	=	--	--	**0.562**	=	**1.75**	=	**2.44**	=	**0.128**	J	--	--
EPA 410.4	Chemical Oxygen Demand	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**26.3**	=	--	--
SM21 2130B	Turbidity (NTU)	See Note 6	--	**23**	=	--	--	--	--	**90**	=	**14**	=	**18**	=, MN	--	--	**13**	=, MN	**0.4**	=, B	**0.7**	=	**75**	=	--	--
SM21 2320B	Alkalinity	<20000	--	**41.8**	=	--	--	--	--	**68.7**	=	**47**	=	**50.2**	=	--	--	**50.1**	=	**63.6**	=	**75.9**	=	**36.3**	=	--	--
SM21 2340B	Hardness as CaCO3	--	--	**55.4**	=	--	--	--	--	**64.9**	=	[1]	=	**26.8**	=	--	--	**25.7**	=	**69.7**	=	**73.2**	=	**35.7**	=	--	--
SM21 2540B	Total Solids	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**114**	QN	--	--
SM21 2540C	Total Dissolved Solids	500	--	**102**	=	--	--	--	--	**128**	=	**66**	=	**64**	=	--	--	**65**	=	**121**	=	**140**	=	**30**	=	--	--
SM21 2540D	Total Suspended Solids	--	--	**15**	=	--	--	--	--	**59**	=	**8.1**	=	**9.6**	=, MN	--	--	**19.2**	=, MN	[0.498]	ND	**0.7**	J	**75**	=	--	--
SM21 4500-NH3 G	Ammonia-N	See Note 7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SM21 4500-N D	Total Kjeldahl Nitrogen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.5]	ND	--	--
SM21 4500NO3-F	Nitrate-N	--	--	**0.067**	J, B	--	--	--	--	--	--	**0.07**	J, B	--	--	--	--	--	--	[0.05]	ND	--	--	--	--	--	--
	Nitrite-N	--	--	[0.05]	ND	--	--	--	--	--	--	[0.05]	ND	--	--	--	--	--	--	**0.056**	J	--	--	--	--	--	--
SM21 4500P-B,E	Total Phosphorus	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.05]	=	--	--
	Ortho Phosphate-P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.0052**	J	--	--
SM21 5310B	Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**9.94**	=	--	--
	Dissolved Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**9.95**	=	--	--
SM21 9222D	Fecal Coliform (Col/100mL)	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[2]	ND	--	--
SM21 10200H	Chlorophyll A (mg/m^3)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[1.6]	ND	--	--

Table 9
Summary of Analytical Results - Third Party Wells
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																					
				PQW-1						TPW-1				TPW-1 (Duplicate)				TPW-2				TPW-5			
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	4/23/2016 16:30		6/7/2016 13:30		6/7/2016 13:35		09/12/2016 15:10		04/23/2016 14:25		09/12/2016 11:57		4/23/2016 14:25		09/12/2016 11:57		4/23/2016 17:45		09/12/2016 10:05		08/11/2016 14:05		09/12/2016 16:49	
				Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
SW8082A PCB	Aroclor-1016	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.000202]	ND	--	--
	Aroclor-1221	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.000505]	ND	--	--
	Aroclor-1232	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000505]	ND	--	--
	Aroclor-1242	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000505]	ND	--	--
	Aroclor-1248	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000505]	ND	--	--
	Aroclor-1254	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000505]	ND	--	--
	Aroclor-1260	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000505]	ND	--	--
SW 8270D SIM (PESTICIDE)	4,4'-DDD	0.0035	0.0035	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	4,4'-DDE	0.0025	0.0025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	4,4'-DDT	0.000001	0.0025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND, QL	--	--
	Aldrin	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	alpha-BHC	0.00014	0.00014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	alpha-Chlordane	0.000004	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	beta-BHC	0.00047	0.00047	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	delta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	Dieldrin	0.0000019	0.000053	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	Endosulfan I	0.0000087	0.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--
	Endosulfan II	0.0000087	0.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	Endosulfan sulfate	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	Endrin	0.0000023	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	Endrin aldehyde	0.00076	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	Endrin ketone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	gamma-BHC (Lindane)	0.00016	0.0002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	gamma-Chlordane	0.000004	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Heptachlor	0.0000036	0.0004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	Heptachlor epoxide	0.0000036	0.0002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	Methoxychlor	0.00003	0.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000153]	ND	--	--
	Toxaphene	0.0000002	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.00102]	ND	--	--
SW8011, LL VOC	1,2,3-Trichloropropane	0.00012	0.00012	--	--	--	--	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--		[0.00002]	ND
	1,2-Dibromoethane	0.00005	0.00005	--	--	--	--	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--		[0.00002]	ND
SW8260C VOC	1,1,1,2-Tetrachloroethane	--	--	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	--	--	[0.00025]	ND	--	--	--	--	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--
	1,1,1-Trichloroethane	0.2	0.2	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	1,1,2,2-Tetrachloroethane	0.0043	0.0043	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	--	--
	1,1,2-Trichloroethane	0.005	0.005	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	--	--
	1,1-Dichloroethane	7.3	7.3	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--
	1,1-Dichloroethene	0.007	0.007	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--
	1,1-Dichloropropene	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	1,2,3-Trichlorobenzene	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--
	1,2,3-Trichloropropane	0.00012	0.00012	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--
	1,2,4-Trichlorobenzene	0.07	0.07	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	--	--
	1,2,4-Trimethylbenzene	1.8	1.8	**0.00238**	=	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	**0.00031**	J	[0.003]	ND	[0.0005]	ND	--	--
	1,2-Dibromo-3-Chloropropane	0.0002	--	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.01]	ND	[0.005]	ND	[0.01]	ND	--	--	[0.01]	ND	[0.005]	ND	[0.01]	ND	[0.005]	ND	--	--
	1,2-Dibromoethane	0.00005	0.00005	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	--	--
	1,2-Dichlorobenzene	0.6	0.6	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--
	1,2-Dichloroethane	0.005	0.005	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	--	--
	1,2-Dichloropropane	0.005	0.005	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	--	--
	1,3,5-Trimethylbenzene	1.8	1.8	**0.0004**	J	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	1,3-Dichlorobenzene	0.4	3.3	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--
	1,3-Dichloropropane	--	--	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	--	--
	1,4-Dichlorobenzene	0.075	0.075	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	[0.004]	ND	[0.00025]	ND	[0.004]	ND	--	--	[0.004]	ND	[0.00025]	ND	[0.004]	ND	[0.00025]	ND	--	--
	2,2-Dichloropropane	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	2-Butanone	22	22	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	--	--	[0.02]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	--	--
	2-Chlorotoluene	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	2-Hexanone	--	--	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	--	--	[0.02]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	--	--
	4-Chlorotoluene	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--
	4-Isopropyltoluene	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	4-Methyl-2-pentanone	2.9	2.9	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.015]	ND	[0.005]	ND	[0.015]	ND	--	--	[0.015]	ND	[0.005]	ND	[0.015]	ND	[0.005]	ND	--	--
	Acetone	--	--	--	--	--	--	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	--	--
	Benzene	0.005	0.005	**0.0677**	=	**0.00073**	=	**0.00098**	=	**0.0066**	=	[0.0002]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0002]	ND	[0.002]	ND	[0.0002]	ND	--	--
	Bromobenzene	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--
	Bromochloromethane	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--
	Bromodichloromethane	0.014	0.014	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	--	--
	Bromoform	0.08	0.11	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	--	--
	Bromomethane	0.048	0.051	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	--	--
	Carbon disulfide	3.7	3.7	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	--	--
	Carbon tetrachloride	0.005	0.005	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	Chlorobenzene	0.1	0.1	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	--	--
	Chloroethane	0.29	0.29	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	--	--
	Chloroform	0.08	0.14	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	--	--
	Chloromethane	0.066	0.066	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.0005]	ND	[0.005]	ND	**0.00034**	J	--	--
	cis-1,2-Dichloroethene	0.07	0.07	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	--	--
	cis-1,3-Dichloropropene	0.0085	0.0085	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	--	--
	Dibromochloromethane	0.01	0.01	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	--	--
	Dibromomethane	0.37	0.37	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	--	--
	Dichlorodifluoromethane	7.3	7.3	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--
	Ethylbenzene	0.7	0.7	**0.00056**	J	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	**0.00054**	J	--	--
	Freon-113	--	1100	[0.005]	ND	[0.005]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--	--	--	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--

Table 9
Summary of Analytical Results - Third Party Wells
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																			
				PQW-1						TPW-1				TPW-1 (Duplicate)				TPW-2				TPW-5			
				4/23/2016 16:30		6/7/2016 13:30		6/7/2016 13:35		09/12/2016 15:10		04/23/2016 14:25		09/12/2016 11:57		4/23/2016 14:25		09/12/2016 11:57		4/23/2016 17:45		09/12/2016 10:05		08/11/2016 14:05		09/12/2016 16:49	
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
SW8260C VOC	Hexachlorobutadiene	0.0073	0.0073	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--
	Isopropylbenzene	3.7	3.7	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--
	Methylene Chloride	0.005	0.005	[0.0025]	ND	[0.0025]	ND	[0.0025]	ND	[0.005]	ND	[0.0025]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.0025]	ND	[0.005]	ND	[0.0025]	ND	--	--
	Methyl tert-butyl ether	0.47	0.47	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	--	--
	Naphthalene	0.73	0.73	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.002]	ND	[0.005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.005]	ND	[0.002]	ND	[.005]	ND	--	--
	n-Butylbenzene	0.37	0.37	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	N-Propylbenzene	0.37	0.37	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	o-Xylene	10	10	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	**0.00287**	=	--	--
	P & M -Xylene	--	10	**0.00493**	=	[0.001]	ND	[0.001]	ND	[0.003]	ND	[0.001]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.001]	ND	[0.003]	ND	**0.00197**	J		
	sec-Butylbenzene	0.37	0.37	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	Styrene	0.1	0.1	**0.0031**	=	[0.0005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	--	--
	t-Butylbenzene	0.37	0.37	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	Tetrachloroethene	0.005	0.005	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	Toluene	1	1	**0.0146**	=	[0.0005]	ND	[0.0005]	ND	[0.002]	ND	**0.00083**	J	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	--	--
	trans-1,2-Dichloroethene	0.1	0.1	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	trans-1,3-Dichloropropene	0.0085	0.0085	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	--	--
	Trichloroethene	0.005	0.005	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	Trichlorofluoromethane	11	11	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	--	--
	Vinyl acetate	--	37	[0.005]	ND	[0.005]	ND	[0.005]	ND	--	--	[0.005]	ND	--	--	--	--	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--
	Vinyl chloride	0.002	0.002	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	--	--
	Xylenes (total)	--	10	**0.00493**	=	[0.0015]	ND	[0.0015]	ND	[0.005]	ND	[0.0015]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.0015]	ND	[0.005]	ND	**0.00484**	=	--	--
EPA 625M SIM (PAH)	Acenaphthene	--	--	[0.0000255]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--
	Acenaphthylene	--	--	**0.0000412**	J	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--
	Anthracene	--	--	[0.0000255]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--
	Benzo(a)Anthracene	--	--	[0.0000255]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--
	Benzo[a]pyrene	--	--	[0.0000102]	ND	--	--	--	--	--	--	[0.0000102]	ND	--	--	[0.0000102]	ND	--	--	[0.0000104]	ND	--	--	--	--	--	--
	Benzo[b]Fluoranthene	--	--	[0.0000255]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--
	Benzo[g,h,i]perylene	--	--	[0.0000255]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--
	Benzo[k]fluoranthene	--	--	[0.0000255]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--
	Chrysene	--	--	[0.0000255]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--
	Dibenzo[a,h]anthracene	--	--	[0.0000102]	ND	--	--	--	--	--	--	[0.0000102]	ND	--	--	[0.0000102]	ND	--	--	[0.0000104]	ND	--	--	--	--	--	--
	Fluoranthene	--	--	[0.0000255]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--
	Fluorene	--	--	[0.0000255]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--
	Indeno[1,2,3-c,d] pyrene	--	--	[0.0000255]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--
	Naphthalene	--	--	**0.000406**	=	--	--	--	--	--	--	[0.000051]	ND	--	--	[0.000051]	ND	--	--	**0.000129**	=	--	--	--	--	--	--
	Phenanthrene	--	--	[0.0000255]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--
	Pyrene	--	--	[0.0000255]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--	--	--	--	--
SW8270D SVOC	1,2,4-Trichlorobenzene	0.07	0.07	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	1,2-Dichlorobenzene	0.6	0.6	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	1,3-Dichlorobenzene	0.4	3.3	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	1,4-Dichlorobenzene	0.075	0.075	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	1-Chloronaphthalene	--	--	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	--	--	[0.0051]	ND	--	--	--	--	--	--	[0.00515]	ND	--	--	[0.00505]	ND	--	--
	1-Methylnaphthalene	0.15	0.15	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	**0.00023**	=	[0.00505]	ND	[0.000063]	ND
	2,4,5-Trichlorophenol	2.6	3.7	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	2,4,6-Trichlorophenol	0.077	0.077	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0006]	ND	[0.0051]	ND	[0.00061]	ND	--	--	[0.00061]	ND	[0.00515]	ND	[0.00061]	ND	[0.00505]	ND	[0.00063]	ND
	2,4-Dichlorophenol	0.093	0.11	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	2,4-Dimethylphenol	0.54	0.73	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.002]	ND	[0.0051]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.00515]	ND	[0.002]	ND	[0.00505]	ND	[0.0021]	ND
	2,4-Dinitrophenol	0.07	0.073	[0.0255]	ND	[0.0253]	ND	[0.0266]	ND	[0.005]	ND	[0.0255]	ND	[0.005]	ND	--	--	[0.0051]	ND	[0.0257]	ND	[0.0051]	ND	[0.0253]	ND	[0.0052]	ND
	2,4-Dinitrotoluene	0.0013	0.0013	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	2,6-Dichlorophenol	--	--	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	--	--	[0.0051]	ND	--	--	--	--	--	--	[0.00515]	ND	--	--	[0.00505]	ND	--	--
	2,6-Dinitrotoluene	0.0013	0.0013	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	**0.00047**	=	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	**0.0013**	=
	2-Chloronaphthalene	1.7	2.9	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND	[0.00505]	ND	[0.000063]	ND
	2-Chlorophenol	0.12	0.18	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	2-Methyl-4,6-dinitrophenol	--	--	[0.0255]	ND	[0.0253]	ND	[0.0266]	ND	--	--	[0.0255]	ND	--	--	--	--	--	--	[0.0257]	ND	--	--	[0.0253]	ND	--	--
	2-Methylnaphthalene	0.15	0.15	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0002]	ND	[0.0051]	ND	[0.0002]	ND	--	--	[0.0002]	ND	[0.00515]	ND	**0.00021**	=	[0.00505]	ND	[0.00021]	ND
	2-Methylphenol	1.8	1.8	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	2-Nitroaniline	--	--	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	2-Nitrophenol	--	--	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	3 & 4 Methylphenol	--	--	[0.0102]	ND	[0.0101]	ND	[0.0107]	ND	[0.00081]	ND	[0.0102]	ND	[0.00081]	ND	--	--	[0.00081]	ND	[0.0103]	ND	[0.00082]	ND	[0.0101]	ND	[0.00083]	ND
	3,3'-Dichlorobenzidine	0.0019	0.0019	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.002]	ND, R	[0.0051]	ND	[0.002]	ND, R	--	--	[0.002]	ND, R	[0.00515]	ND	[0.002]	ND, R	[0.00505]	ND	[0.0021]	ND, R
	3-Nitroaniline	--	--	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND,QL,ML	--	--	[0.00041]	ND,QL	[0.00515]	ND	[0.00041]	ND,QL	[0.00505]	ND	[0.00042]	ND,QL
	4,6-Dinitro-2-methylphenol	0.0134	--	--	--	--	--	--	--	[0.004]	ND	--	--	[0.004]	ND	--	--	[0.0041]	ND	--	--	[0.0041]	ND	--	--	[0.0042]	ND
	4-Bromophenyl phenyl ether	--	--	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	4-Chloro-3-methylphenol	--	--	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	4-Chloroaniline	0.016	0.016	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND, R	[0.0051]	ND	[0.0004]	ND, R	--	--	[0.00041]	ND, R	[0.00515]	ND	[0.00041]	ND, R	[0.00505]	ND	[0.00042]	ND, R
	4-Chlorophenyl phenyl ether	--	--	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	4-Nitroaniline	--	--	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0006]	ND	[0.0051]	ND	[0.00061]	ND,QL	--	--	[0.00061]	ND,QL	[0.00515]	ND	[0.00061]	ND,QL	[0.00505]	ND	[0.00063]	ND,QL
	4-Nitrophenol	--	--	[0.0255]	ND	[0.0253]	ND	[0.0266]	ND	[0.003]	ND	[0.0255]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0257]	ND	[0.0031]	ND	[0.0253]	ND	[0.0031]	ND
	Acenaphthene	1.2	2.2	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0001]	ND	[0.0051]	ND	[0.0001]	ND	--	--	[0.0001]	ND	[0.00515]	ND	[0.0001]	ND	[0.00505]	ND	[0.0001]	ND
	Acenaphthylene	2.2	2.2	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.000081]	ND	[0.0051]	ND	[0.000081]	ND	--	--	[0.000081]	ND	[0.00515]	ND	[0.000082]	ND	[0.00505]	ND	[0.000083]	ND
	Aniline	--	--	[0.0255]	ND	[0.0253]	ND	[0.0266]	ND	--	--	[0.0255]	ND	--	--	--	--	--	--	[0.0257]	ND	--	--	[0.0253]	ND	--	--
	Anthracene	9.6	11	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00004]	ND	[0.0051]	ND	[0.00004]	ND	--	--	[0.000041]	ND	[0.00515]	ND	[0.000041]	ND	[0.00505]	ND	[0.000042]	ND
	Azobenzene	--	--	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	--	--	[0.0051]	ND	--	--	--	--	--	--	[0.00515]	ND	--	--	[0.00505]	ND	--	--
	Benzo[a]anthracene	0.0012	0.0012	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND	[0.00505]	ND	[0.000063]	ND
	Benzo[a]pyrene	0.0002	0.0002	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00004]	ND	[0.0051]	ND	[0.00004]	ND	--	--	[0.000041]	ND	[0.00515]	ND	[0.000041]	ND	[0.00505]	ND	[0.000042]	ND
	Benzo[b]fluoranthene	0.0012	0.0012	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.000081]	ND	[0.0051]	ND	[0.000081]	ND	--	--	[0.000081]	ND	[0.00515]	ND	[0.000082]	ND	[0.00505]	ND	[0.000083]	ND
	Benzo[g,h,i]perylene	1.1	1.1	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND	[0.00505]	ND	[0.000063]	ND
	Benzo[k]fluoranthene	0.012	0.012	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND	[0.00505]	ND	[0.000063]	ND

Table 9
Summary of Analytical Results - Third Party Wells
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																					
				PQW-1						TPW-1				TPW-1 (Duplicate)				TPW-2				TPW-5			
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	4/23/2016 16:30		6/7/2016 13:30		6/7/2016 13:35		09/12/2016 15:10		04/23/2016 14:25		09/12/2016 11:57		4/23/2016 14:25		09/12/2016 11:57		4/23/2016 17:45		09/12/2016 10:05		08/11/2016 14:05		09/12/2016 16:49	
				Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
SW8270D SVOC	Benzoic acid	150	150	**0.0334**	J	[0.02353]	ND	[0.0266]	ND	**0.0065**	=	[0.0255]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0257]	ND	[0.0031]	ND	[0.0253]	ND	[0.0031]	ND
	Benzyl alcohol	--	--	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND, QL	[0.00515]	ND	[0.00041]	ND, QL	[0.00505]	ND	[0.00042]	ND, QL
	Bis(2chloro1methylethyl)Ether	--	--	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	--	--	[0.0051]	ND	--	--	--	--	--	--	[0.00515]	ND	--	--	[0.00505]	ND	--	--
	Bis(2-chloroethoxy)methane	--	--	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	Bis(2-chloroethyl)ether	0.00077	0.00077	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	Bis(2-ethylhexyl) phthalate	0.006	0.006	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.003]	ND	[0.0051]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.00515]	ND	[0.0031]	ND	[0.00505]	ND	[0.0031]	ND
	bis(chloroisopropyl) ether	1.4	--	--	--	--	--	--	--	[0.0004]	ND	--	--	[0.0004]	ND, ML	--	--	[0.00041]	ND	--	--	[0.00041]	ND	--	--	[0.00042]	ND
	Butyl benzyl phthalate	3	7.3	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0006]	ND	[0.0051]	ND	**0.0014**	=	--	--	[0.00061]	ND	[0.00515]	ND	**0.0014**	B	[0.00505]	ND	[0.00063]	ND
	Carbazole	0.043	0.043	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	Chrysene	0.12	0.12	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00004]	ND	[0.0051]	ND	[0.00004]	ND	--	--	[0.000041]	ND	[0.00515]	ND	[0.000041]	ND	[0.00505]	ND	[0.000042]	ND
	Dibenz(a,h)anthracene	0.00012	0.00012	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND	[0.00505]	ND	[0.000063]	ND
	Dibenzofuran	0.073	0.073	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	Diethyl phthalate	23	29	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	Dimethyl phthalate	313	370	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	Di-n-butyl phthalate	2.7	3.7	[0.0051]	ND	**0.00322**	J	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	**0.0013**	B	[0.00505]	ND	**0.0038**	B
	Di-n-octyl phthalate	1.5	1.5	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	Fluoranthene	0.3	1.5	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00005]	ND	[0.0051]	ND	[0.00005]	ND	--	--	[0.000051]	ND	[0.00515]	ND	[0.000051]	ND	[0.00505]	ND	[0.000052]	ND
	Fluorene	1.3	1.5	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND	[0.00505]	ND	[0.000063]	ND
	Hexachlorobenzene	0.001	0.001	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	Hexachlorobutadiene	0.0073	0.0073	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0006]	ND	[0.0051]	ND	[0.00061]	ND	--	--	[0.00061]	ND	[0.00515]	ND	[0.00061]	ND	[0.00505]	ND	[0.00063]	ND
	Hexachlorocyclopentadiene	0.05	0.05	[0.0153]	ND	[0.0152]	ND	[0.0159]	ND	[0.002]	ND	[0.0153]	ND	[0.002]	ND, QL	--	--	[0.002]	ND, QL	[0.0155]	ND	[0.002]	ND, QL	[0.0152]	ND	[0.0021]	ND, QL
	Hexachloroethane	0.04	0.04	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0006]	ND	[0.0051]	ND	[0.00061]	ND	--	--	[0.00061]	ND	[0.00515]	ND	[0.00061]	ND	[0.00505]	ND	[0.00063]	ND
	Indeno[1,2,3-cd]pyrene	0.0012	0.0012	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND	[0.00505]	ND	[0.000063]	ND
	Isophorone	0.9	0.9	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	Naphthalene	0.73	0.73	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	Nitrobenzene	0.017	0.018	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00042]	ND
	N-Nitrosodimethylamine	--	0.000017	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	--	--	[0.0051]	ND	--	--	--	--	--	--	[0.00515]	ND	--	--	[0.00505]	ND	--	--
	N-Nitrosodi-n-propylamine	0.00012	0.00012	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND	[0.00505]	ND	[0.00041]	=
	N-Nitrosodiphenylamine	0.17	0.17	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND	[0.0051]	ND	[0.0004]	ND, QL	--	--	[0.00041]	ND, QL	[0.00515]	ND	[0.00041]	ND, QL	[0.00505]	ND	[0.00042]	ND, QL
	Pentachlorophenol	0.001	0.001	[0.0255]	ND	[0.0253]	ND	[0.0266]	ND	[0.0007]	ND	[0.0255]	ND	[0.00071]	ND	--	--	[0.00071]	ND	[0.0257]	ND	[0.00072]	ND	[0.0253]	ND	[0.00073]	ND
	Phenanthrene	11	11	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.000081]	ND	[0.0051]	ND	[0.000081]	ND	--	--	[0.000081]	ND	[0.00515]	ND	[0.000082]	ND	[0.00505]	ND	[0.000083]	ND
	Phenol	11	11	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	**0.0012**	=	[0.0051]	ND	[0.00061]	ND	--	--	[0.00061]	ND	[0.00515]	ND	[0.00061]	ND	[0.00505]	ND	**0.001**	=
	Pyrene	0.96	1.1	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND	[0.00505]	ND	[0.000063]	ND

Notes:

1 - This screening level corresponds to ADEC groundwater cleanup levels from 18 AAC 75.345 Table C. Revised 5/8/2016
http://dec.alaska.gov/commish/regulations/pdfs/18%20aac%2075.pdf
2 - This screening level corresponds to the most conservative values within ADEC Water Quality Standards 18 AAC 70. Amended 2/19/2016.
https://dec.alaska.gov/commish/regulations/pdfs/18%20AAC%2070.pdf
3 - The field sample identification number and date collected are provided.
4 - For detected results, the sample result is listed in this column. For results of non-detect, the LOD is listed in [ ] in this column.
5 - ADEC Calculator: http://dec.alaska.gov/water/cruise_ships/gp/2010/zinc_rpa_stationary.xls
6 - May not exceed 5 NTUs above natural conditions (NC) when the natural turbidity is 50 NTU or less, and may not have more than
10% increase in turbidity when the natural turbidity is more than 50 NTU, not to exceed a maximum increase of 25 NTU. Turbidity screening
levels corresponds to ADEC Alaska General Permit AKG003000 for discharge of Aquifer Pump Test (Table 6).
http://dec.alaska.gov/water/wnpspc/stormwater/docs/AKG003000_Hydrostatic_GP_Permit.pdf
7 - Standards are specific to various factors, such as a receiving water body (e.g., freshwater or saltwater)
See ADEC Water Quality Criteria Manual for Toxic and other Deleterious Organic and Inorganic substances,
as amended through December 12, 2008, Appendices C through g.

Sample results exceeding the Water Quality Standards screening criteria are shown in (**BOLD** with light green shading). Used for APT, OW and Third Party Wells only
Analyte was not detected, but the LOD was above the screening level (light blue shading).
Detected concentrations listed in **BOLD**

Data Flags

=	Analyte detected at concentration listed in column to the left.
B	The reported concentration was less than five times that of the associated method blank and/or trip blank.
J	Result is considered an estimated value because the level is below the laboratory LOQ, but above the DL.
ND	Non-detect, LOD is in brackets [ ] in the concentration column.
MH, ML, MN	The quantitation was an estimate due to a quality control failure. Where applicable, a "H", "L", or "N" was used to indicate possible high, low, or unknown bias.
QH, QL, QN	The quantitation was an estimate due to a sample matrix quality control failure. Where applicable, a "H", "L", or "N" was used to indicate possible high, low, or unknown bias.
H	Holding Time Exceeded
U	Analyte was analyzed for but not detected
*	Lab Control Sample or Lab Control Sample Duplicate outside of acceptance limits

Abbreviations

--	Not applicable or screening criteria does not exist for this compound
AAC	Alaska Administrative Code
ADEC	Alaska Department of Environmental Conservation
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
PAH	Polycyclic Aromatic Hydrocarbon
SVOCs	Semi-volatile Organic Compounds
VOCs	Volatile Organic Compounds

Table 10
Summary of Analytical Results - OW and APT Wells
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																			
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	OW-1				OW-2				OW-3				OW-4				APT-1		APT-1 (Duplicate)		APT-2		APT-3	
				08/10/2016 13:53		09/22/2016 11:19		08/10/2016 11:45		09/22/2016 13:10		08/10/2016 17:50		09/22/2016 14:58		08/10/2016 16:25		09/22/2016 16:06		09/20/2016 10:32		09/20/2016 10:32		09/21/2016 14:00		09/20/2016 10:32	
				Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
200.8 Metal, Dissolved	Aluminum, Dissolved	--	--	**0.00123**	J,B	--	--	**0.0459**	=	--	--	**0.00253**	J,B	--	--	**0.0161**	J,B	--	--	**0.0188**	=	**0.0217**	=	**0.00387**	=, B	**0.38**	=
	Antimony, Dissolved	--	--	**0.000135**	=	--	--	**0.00147**	=	--	--	**0.000377**	=	--	--	**0.00365**	=	--	--	**0.000913**	=	**0.000926**	=	**0.00277**	=	**0.0019**	=
	Arsenic, Dissolved	0.01	--	**0.00127**	=	--	--	**0.0229**	=	--	--	**0.00276**	=	--	--	**0.0372**	=	--	--	**0.0142**	=	**0.0142**	=	**0.0172**	=	**0.0575**	=
	Barium, Dissolved	--	--	**0.0824**	=	--	--	**0.00879**	=	--	--	**0.0469**	=	--	--	**0.0104**	=	--	--	**0.0207**	=	**0.0204**	=	**0.0164**	=	**0.0123**	=
	Beryllium, Dissolved	--	--	[0.000025]	ND	--	--	[0.000025]	ND	--	--	[0.000025]	ND	--	--	[0.000025]	ND	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**0.0000339**	J
	Bismuth, Dissolved	--	--	[0.000025]	ND	--	--	[0.000025]	ND	--	--	[0.000025]	ND	--	--	[0.000025]	ND	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**0.0000368**	J
	Boron, Dissolved	--	--	**0.00423**	J,B	--	--	**0.126**	=	--	--	**0.00426**	J,B	--	--	**0.0278**	J,B	--	--	**0.0266**	=	**0.0276**	=	**0.0237**	=	**0.98**	=
	Cadmium, Dissolved [5]	0.06	--	[0.000025]	ND	--	--	[0.000025]	ND	--	--	[0.000025]	ND	--	--	[0.000025]	ND	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**0.0000341**	J
	Calcium, Dissolved	--	--	**24.1**	=	--	--	**6.42**	=	--	--	**15.9**	=	--	--	**15**	=	--	--	**23.4**	=	**24**	=	**18**	=	**2.57**	=
	Chromium, Dissolved	0.011	--	[0.00025]	ND	--	--	**0.000223**	J	--	--	**0.0018**	=	--	--	[0.00025]	ND	--	--	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	**0.00426**	=
	Cobalt, Dissolved	--	--	**0.000161**	=	--	--	**0.0000659**	=	--	--	**0.000386**	=	--	--	**0.00016**	=	--	--	**0.0000803**	=	**0.0000776**	=	**0.000114**	=	**0.000597**	=
	Copper, Dissolved [5]	0.00161	--	**0.000262**	J	--	--	**0.000327**	J	--	--	**0.000217**	J	--	--	**0.000447**	J	--	--	**0.000202**	J, B	**0.000216**	J, B	**0.00025**	J, B	**0.00736**	=
	Iron, Dissolved	--	--	**5.95**	=	--	--	**0.36**	=	--	--	**6.2**	=	--	--	**0.486**	=	--	--	**0.647**	=	**0.631**	=	**0.0983**	=	**0.937**	=
	Lead, Dissolved [5]	0.00027	--	[0.00005]	ND	--	--	**0.00013**	=	--	--	[0.00005]	ND	--	--	**0.0000879**	J	--	--	**0.0000695**	J	[0.00005]	ND	[0.00005]	ND	**0.000861**	=
	Magnesium, Dissolved	--	--	**6.12**	=	--	--	**3.37**	=	--	--	**6.15**	=	--	--	**6.49**	=	--	--	**7.98**	=	**7.84**	=	**4.41**	=	**2.13**	=
	Manganese, Dissolved	--	--	**0.957**	=	--	--	**0.0289**	=	--	--	**0.45**	=	--	--	**0.0412**	=	--	--	**0.103**	=	**0.103**	=	**0.0547**	=	**0.0353**	=
	Molybdenum, Dissolved	--	--	**0.0003**	=	--	--	**0.00553**	=	--	--	**0.000623**	=	--	--	**0.000882**	=	--	--	**0.0012**	=	**0.00121**	=	**0.00167**	=	**0.0431**	=
	Nickel, Dissolved [5]	0.0095	--	**0.00228**	=	--	--	**0.000629**	=	--	--	**0.0053**	=	--	--	**0.00141**	=	--	--	**0.000823**	=, B	**0.000806**	=, B	**0.00219**	=	**0.00371**	=
	Potassium, Dissolved	--	--	**2.39**	=	--	--	**7.03**	=	--	--	**2.1**	=	--	--	**6.76**	=	--	--	**6.26**	=	**6.16**	=	**3.69**	=	**6.99**	=
	Selenium, Dissolved	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND
	Silicon, Dissolved	--	--	**14.1**	=	--	--	**5.95**	=	--	--	**16**	=	--	--	**10.8**	=	--	--	**11.9**	=	**11.4**	=,QH	**10.5**	=	**5.85**	=,QH
	Silver, Dissolved [5]	0.00011	--	[0.00001]	ND	--	--	[0.00001]	ND	--	--	[0.00001]	ND	--	--	[0.00001]	ND	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	**0.0000129**	J
	Sodium, Dissolved	--	--	**8.66**	=	--	--	**26.3**	=	--	--	**8.31**	=	--	--	**9.22**	=	--	--	**7.86**	=	**7.6**	=	**7.64**	=	**184**	=
	Thallium, Dissolved	--	--	[0.00001]	ND	--	--	[0.00001]	ND	--	--	[0.00001]	ND	--	--	[0.00001]	ND	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND
	Tin, Dissolved	--	--	[0.0001]	ND	--	--	[0.0001]	ND	--	--	[0.0001]	ND	--	--	[0.0001]	ND	--	--	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND
	Vanadium, Dissolved	--	--	**0.000479**	J	--	--	**0.00246**	=	--	--	**0.00179**	=	--	--	**0.00809**	=	--	--	**0.00119**	=	**0.00127**	=	**0.0147**	=	**0.0125**	=
	Zinc, Dissolved [5]	0.02134	--	**0.00283**	J,B	--	--	**0.00139**	J,B	--	--	**0.00301**	J,B	--	--	**0.0016**	J,B	--	--	**0.0366**	=, B	**0.034**	=, B	**0.0773**	=	**0.114**	=
200.8 Metal, Total	Aluminum, Total	0.087	--	**1.94**	=	--	--	**3.8**	=	--	--	**0.661**	=	--	--	**2.66**	=	--	--	**0.242**	=	**0.185**	=	**0.225**	=	**12.7**	=
	Antimony, Total	0.006	0.006	**0.000362**	=	--	--	**0.00171**	=	--	--	**0.000484**	=	--	--	**0.00775**	=	--	--	**0.000978**	=	**0.000987**	=	**0.00274**	=	**0.00154**	=
	Arsenic, Total	0.01	0.01	**0.00683**	=	**0.00131**	=	**0.0495**	=	**0.0237**	=	**0.00381**	=	**0.00336**	=	**0.131**	=	**0.0323**	=	**0.0197**	=	**0.02**	=	**0.0206**	=	**0.0798**	=
	Barium, Total	2	2	**0.12**	=	--	--	**0.0614**	=	--	--	**0.0564**	=	--	--	**0.0831**	=	--	--	**0.0253**	=	**0.0266**	=	**0.0203**	=	**0.0888**	=
	Beryllium, Total	0.004	0.004	**0.0000615**	=	--	--	**0.000091**	=	--	--	[0.000025]	ND	--	--	**0.000215**	=	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**0.000228**	=
	Bismuth, Total	--	--	**0.0000314**	J	--	--	**0.0000971**	=	--	--	[0.000025]	ND	--	--	**0.000161**	=	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**0.0003**	=
	Boron, Total	0.75	--	**0.00565**	B	--	--	**0.121**	B	--	--	**0.00449**	J,B	--	--	**0.0301**	B	--	--	**0.0269**	=	**0.026**	=	**0.024**	=	**1.08**	=
	Cadmium, Total	0.01	0.005	**0.0000507**	=	--	--	**0.0000738**	=	--	--	**0.0000229**	J	--	--	**0.0001**	=	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	**0.000125**	=
	Calcium, Total	--	--	**26.7**	=	--	--	**7.2**	=	--	--	**17.1**	=	--	--	**18.5**	=	--	--	**24.3**	=	**24.1**	=	**18.2**	=	**5.19**	=
	Chromium, Total	0.011	0.1	**0.013**	=	--	--	**0.0168**	=	--	--	**0.0171**	=	--	--	**0.0215**	=	--	--	[0.00025]	ND	[0.00025]	ND	**0.000251**	J	**0.0283**	=
	Cobalt, Total	0.05	--	**0.00113**	=	--	--	**0.00203**	=	--	--	**0.000893**	=	--	--	**0.00493**	=	--	--	**0.000167**	=	**0.000175**	=	**0.000237**	=	**0.00644**	=
	Copper, Total	0.0031	1	**0.00854**	=	--	--	**0.013**	=	--	--	**0.00765**	=	--	--	**0.0275**	=	--	--	**0.000682**	=	**0.0008**	=	**0.00233**	=	**0.0992**	=
	Iron, Total	1	--	**19.2**	=	--	--	**16.5**	=	--	--	**9.57**	=	--	--	**55**	=	--	--	**2.71**	=	**2.97**	=	**1.34**	=	**20.7**	=
	Lead, Total	0.0081	0.015	**0.00146**	=	--	--	**0.00252**	=	--	--	**0.000517**	=	--	--	**0.0107**	=	--	--	**0.000204**	=, MN	**0.000355**	=, MN	**0.000321**	=	**0.0085**	=
	Magnesium, Total	--	--	**7.15**	=	--	--	**4.53**	=	--	--	**6.13**	=	--	--	**7.75**	=	--	--	**8.63**	=	**8.24**	=	**4.47**	=	**5.47**	=
	Manganese, Total	0.05	--	**1.04**	=	--	--	**0.22**	=	--	--	**0.496**	=	--	--	**0.357**	=	--	--	**0.118**	=	**0.123**	=	**0.0656**	=	**0.335**	=
	Molybdenum, Total	0.01	--	**0.000456**	=	--	--	**0.00535**	=	--	--	**0.000982**	=	--	--	**0.00205**	=	--	--	**0.00116**	=	**0.00117**	=	**0.00167**	=	**0.0438**	=
	Nickel, Total	0.0082	0.1	**0.00664**	=	--	--	**0.0136**	=	--	--	**0.0121**	=	--	--	**0.0202**	=	--	--	**0.00128**	=	**0.00134**	=	**0.00296**	=	**0.0235**	=
	Potassium, Total	--	--	**2.92**	=	--	--	**7.61**	=	--	--	**2.16**	=	--	--	**7.26**	=	--	--	**6.39**	=	**6.53**	=	**3.66**	=	**8.32**	=
	Selenium, Total	0.005	0.05	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	**0.000575**	J	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND
	Silver, Total	0.0019	0.1	**0.0000158**	J	--	--	**0.0000429**	=	--	--	[0.00001]	ND	--	--	**0.00021**	=	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	**0.000162**	=
	Sodium, Total	--	--	**9.82**	=	--	--	**25.7**	=	--	--	**7.92**	=	--	--	**10.7**	=	--	--	**8.16**	=	**7.91**	=	**7.63**	=	**195**	=
	Thallium, Total	0.0017	0.002	**0.0000131**	J	--	--	**0.0000275**	=	--	--	[0.00001]	ND	--	--	**0.0000393**	=	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	**0.0000563**	=
	Tin, Total	--	--	**0.000104**	J	--	--	**0.000201**	=	--	--	**0.0000623**	J	--	--	**0.000219**	=	--	--	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	**0.000263**	=
	Vanadium, Total	0.1	0.26	**0.00587**	J,B	--	--	**0.0193**	=	--	--	**0.00256**	J,B	--	--	**0.131**	=	--	--	**0.00412**	=	**0.00404**	=	**0.0183**	=	**0.0415**	=
	Zinc, Total	0.081	5	**0.0158**	B	--	--	**0.012**	B	--	--	**0.00761**	B	--	--	**0.0324**	=	--	--	**0.277**	=	**0.287**	=	**0.402**	=	**2.94**	=
EPA 1631 E, Dissolved	Mercury, Dissolved	0.00077	--	**0.000000501**	J	--	--	**0.000000932**	J	--	--	**0.000000557**	J	--	--	**0.00000145**	=	--	--	[0.0000005]	ND	[0.0000005]	ND	[0.0000005]	ND	**0.00000241**	=
EPA 1631 E, Total	Mercury, Total	0.00005	0.002	**0.00000716**	=	--	--	**0.00000919**	=	--	--	**0.00000215**	=	--	--	**0.0000751**	=	--	--	**0.000000704**	J	**0.000000832**	J	**0.000001**	=	**0.0000258**	=
AK101	Gasoline Range Organics	2.2	2.2	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	**0.0497**	J	**0.0445**	J	[0.05]	ND	[0.05]	ND
AK102	Diesel Range Organics	1.5	1.5	[0.294]	ND	--	--	[0.278]	ND	--	--	[0.283]	ND	--	--	**0.395**	J, B	--	--	**0.486**	J	**0.427**	J,B	**0.24**	J	**0.518**	J,B
AK103	Residual Range Organics	1.1	1.1	**0.16**	J	--	--	**0.192**	J	--	--	**0.155**	J	--	--	**0.476**	J, B	--	--	[0.236]	ND	[0.236]	ND	[0.24]	ND	**0.165**	J
EPA 300.0	Chloride	230	--	**28.9**	=	--	--	**5.79**	=	--	--	**14.4**	=	--	--	**11**	=	--	--	**19.7**	=,QL	**19.7**	=	**5.67**	=	**41.6**	=
	Fluoride	1	--	**0.112**	J	--	--	**0.345**	=	--	--	**0.126**	J	--	--	**0.168**	J	--	--	**0.137**	J,B	**0.139**	J,B	**0.15**	J,B	**3.03**	=
	Nitrate-N	--	--	[0.1]	ND	--	--	[0.1]	ND	--	--	[0.1]	ND	--	--	**0.105**	J	--	--	[0.05]	ND	[0.05]	ND	[0.05]	ND,QN	[0.25]	ND
	Nitrite-N	--	--	--	--	--	--	[0.1]	ND	--	--	[0.1]	ND	--	--	[0.1]	ND	--	--	[0.05]	ND	[0.05]	ND	[0.05]	ND,QN	[0.25]	ND
	Sulfate	250	--	**3.48**	=	--	--	**0.652**	=	--	--	**5.29**	=	--	--	**2.73**	=	--	--	**1.73**	=	**1.7**	=	**4.02**	=	**3.88**	=
EPA 410.4	Chemical Oxygen Demand	--	--	--	--	--	--	**23.5**	=	--	--	--	--	--	--	**30.0**	=	--	--	[10]	ND	**13.6**	J	[10]	ND	**102**	=
SM21 2130B	Turbidity (NTU)	See Note 6	--	**110**	=	--	--	**120**	=	--	--	**26**	=	--	--	**200**	=	--	--	**16**	=	**16**	=	**11**	=	**210**	=
SM21 2320B	Alkalinity	<20000	--	**70.9**	=	--	--	**81**	=	--	--	**60**	=	--	--	**76.9**	=	--	--	**95.2**	=	**94.3**	=	**79.2**	=	**509**	=
SM21 2340B	Hardness as CaCO3	--	--	**85.5**	=	--	--	**29.9**	=	--	--	**65**	=	--	--	**64.1**	=	--	--	**91.2**	=	**92.2**	=	**63.1**	=	**15.2**	=
SM21 2540B	Total Solids	--	--	--	--	--	--	**201**	QN	--	--	--	--	--	--	**232**	QN	--	--	**172**	=	**184**	=	**128**	=	**732**	=
SM21 2540C	Total Dissolved Solids	500	--	**151**	=	--	--	**119**	=	--	--	**117**	=	--	--	**74**	=	--	--	**151**	=	**141**	=	**108**	=	**709**	=
SM21 2540D	Total Suspended Solids	--	--	**120**	=	--	--	**81.5**	=	--	--	**19.1**	=	--	--	**117**	=	--	--	**14**	=	**16.2**	=	**8.89**	=	**80.7**	=
SM21 4500-NH3 G	Ammonia-N	See Note 7	--	--	--	--	--	**0.164**	=	--	--	--	--	--	--	**0.186**	=	--	--	**0.0893**	J	**0.113**	=	**0.0661**	J	**0.309**	=
SM21 4500-N D	Total Kjeldahl Nitrogen	--	--	--	--	--	--	[0.5]	ND	--	--	--	--	--	--	[0.5]	ND	--	--	[0.5]	ND	[0.5]	ND	[0.5]	ND	**0.891**	J
SM21 4500NO3-F	Nitrate-N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Nitrite-N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SM21 4500P-B,E	Total Phosphorus	--	--	--	--	--	--	**0.872**	=	--	--	--	--	--	--	**0.396**	=	--	--	**0.114**	=	**0.0905**	=	**0.0907**	=	**4.88**	=
	Ortho Phosphate-P	--	--	--	--	--	--	**0.554**	=	--	--	--	--	--	--	**0.059**	=	--	--	**0.0507**	=	**0.0488**	=	**0.0896**	=	**4.49**	=
SM21 5310B	Total Organic Carbon	--	--	--	--	--	--	**2.79**	=	--	--	--	--	--	--	**2.5**	=	--	--	**1.82**	=, B	**1.63**	=, B	**1.69**	=, B	**22.2**	=
	Dissolved Organic Carbon	--	--	--	--	--	--	**1.65**	=	--	--	--	--	--	--	**1.3**	=	--	--	**1.7**	=	**1.45**	=	**1.02**	=	**14.9**	=
SM21 9222D	Fecal Coliform (Col/100mL)	1	--	--	--	--	--	**4.9**	=	--	--	--	--	--	--	[2]	ND	--	--	[1.64]	ND	[1.64]	ND	[1.64]	ND	[1.64]	ND
SM21 10200H	Chlorophyll A (mg/m^3)	--	--	--	--	--	--	[2.2]	ND	--	--	--	--	--	--	[2.2]	ND	--	--	[1.6]	ND	[1.6]	ND	[1.6]	ND	[6.1]	ND

Table 10
Summary of Analytical Results - OW and APT Wells
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																					
				OW-1				OW-2				OW-3				OW-4				APT-1		APT-1 (Duplicate)		APT-2		APT-3	
				08/10/2016 13:53		09/22/2016 11:19		08/10/2016 11:45		09/22/2016 13:10		08/10/2016 17:50		09/22/2016 14:58		08/10/2016 16:25		09/22/2016 16:06		09/20/2016 10:32		09/20/2016 10:32		09/21/2016 14:00		09/20/2016 10:32	
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
SW8082A PCB	Aroclor-1016	0.000014	0.0005	--	--	--	--	[0.000208]	ND	--	--	--	--	--	--	[0.0002]	ND	--	--	[0.000204]	ND	[0.000215]	ND	[0.000206]	ND	[0.000206]	ND
	Aroclor-1221	0.000014	0.0005	--	--	--	--	[0.00052]	ND	--	--	--	--	--	--	[0.0005]	ND	--	--	[0.00051]	ND	[0.00054]	ND	[0.000515]	ND	[0.000515]	ND
	Aroclor-1232	0.000014	0.0005	--	--	--	--	[0.000052]	ND	--	--	--	--	--	--	[0.00005]	ND	--	--	[0.000051]	ND	[0.000054]	ND	[0.0000515]	ND	[0.0000515]	ND
	Aroclor-1242	0.000014	0.0005	--	--	--	--	[0.000052]	ND	--	--	--	--	--	--	[0.00005]	ND	--	--	[0.000051]	ND	[0.000054]	ND	[0.0000515]	ND	[0.0000515]	ND
	Aroclor-1248	0.000014	0.0005	--	--	--	--	[0.000052]	ND	--	--	--	--	--	--	[0.00005]	ND	--	--	[0.000051]	ND	[0.000054]	ND	[0.0000515]	ND	[0.0000515]	ND
	Aroclor-1254	0.000014	0.0005	--	--	--	--	[0.000052]	ND	--	--	--	--	--	--	[0.00005]	ND	--	--	[0.000051]	ND	[0.000054]	ND	[0.0000515]	ND	[0.0000515]	ND
	Aroclor-1260	0.000014	0.0005	--	--	--	--	[0.000052]	ND	--	--	--	--	--	--	[0.00005]	ND	--	--	[0.000051]	ND	[0.000054]	ND	[0.0000515]	ND	[0.0000515]	ND
SW 8270D SIM (PESTICIDE)	4,4'-DDD	0.0035	0.0035	--	--	--	--	[0.0000155]	ND, QL	--	--	--	--	--	--	[0.0000153]	ND, QL	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND	[0.0000153]	ND, QL
	4,4'-DDE	0.0025	0.0025	--	--	--	--	[0.0000155]	ND, QL	--	--	--	--	--	--	[0.0000153]	ND	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND	[0.0000153]	ND, QL
	4,4'-DDT	0.000001	0.0025	--	--	--	--	[0.0000155]	ND, QL	--	--	--	--	--	--	[0.0000153]	ND, QL	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND	[0.0000153]	ND, QL
	Aldrin	0.003	--	--	--	--	--	[0.0000155]	ND, QL	--	--	--	--	--	--	[0.0000153]	ND	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND	[0.0000153]	ND, QL
	alpha-BHC	0.00014	0.00014	--	--	--	--	[0.0000155]	ND, QL	--	--	--	--	--	--	[0.0000153]	ND	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND	[0.0000153]	ND, QL
	alpha-Chlordane	0.000004	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND	[0.0000153]	ND, QL
	beta-BHC	0.00047	0.00047	--	--	--	--	[0.0000155]	ND, QL	--	--	--	--	--	--	[0.0000153]	ND	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND	[0.0000153]	ND, QL
	delta-BHC	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	--	--	--	--	[0.0000153]	ND	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND	[0.0000153]	ND, QL
	Dieldrin	0.0000019	0.000053	--	--	--	--	[0.0000155]	ND, QL	--	--	--	--	--	--	[0.0000153]	ND, QL	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND	[0.0000153]	ND, QL
	Endosulfan I	0.0000087	0.22	--	--	--	--	[0.0000155]	ND, QL	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	[0.0000155]	ND, QL	[0.0000158]	ND, QL	[0.0000153]	ND, QL	[0.0000153]	ND, QL
	Endosulfan II	0.0000087	0.22	--	--	--	--	[0.0000155]	ND, QL	--	--	--	--	--	--	[0.0000153]	ND, QL	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND	[0.0000153]	ND, QL
	Endosulfan sulfate	0.11	--	--	--	--	--	[0.0000155]	ND, QL	--	--	--	--	--	--	[0.0000153]	ND, QL	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND	[0.0000153]	ND, QL
	Endrin	0.0000023	0.002	--	--	--	--	[0.0000155]	ND, QL	--	--	--	--	--	--	[0.0000153]	ND, QL	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND	[0.0000153]	ND, QL
	Endrin aldehyde	0.00076	--	--	--	--	--	[0.0000155]	ND, QL	--	--	--	--	--	--	[0.0000153]	ND, QL	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND	[0.0000153]	ND, QL
	Endrin ketone	--	--	--	--	--	--	[0.0000155]	ND, QL	--	--	--	--	--	--	[0.0000153]	ND, QL	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND	[0.0000153]	ND, QL
	gamma-BHC (Lindane)	0.00016	0.0002	--	--	--	--	[0.0000155]	ND, QL	--	--	--	--	--	--	[0.0000153]	ND	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND	[0.0000153]	ND, QL
	gamma-Chlordane	0.000004	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND	[0.0000153]	ND, QL
	Heptachlor	0.0000036	0.0004	--	--	--	--	[0.0000155]	ND, QL	--	--	--	--	--	--	[0.0000153]	ND	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND	[0.0000153]	ND, QL
	Heptachlor epoxide	0.0000036	0.0002	--	--	--	--	[0.0000155]	ND, QL	--	--	--	--	--	--	[0.0000153]	ND	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND	[0.0000153]	ND, QL
	Methoxychlor	0.00003	0.04	--	--	--	--	[0.0000155]	ND, QL	--	--	--	--	--	--	[0.0000153]	ND, QL	--	--	[0.0000155]	ND	[0.0000158]	ND	[0.0000153]	ND	[0.0000153]	ND, QL
	Toxaphene	0.0000002	0.003	--	--	--	--	[0.00103]	ND, QL	--	--	--	--	--	--	[0.00102]	ND	--	--	[0.00103]	ND	[0.00105]	ND	[0.00102]	ND	[0.00102]	ND
SW8011, LL VOC	1,2,3-Trichloropropane	0.00012	0.00012	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	[0.00002]	ND	[0.00002]	ND	[0.00002]	ND	[0.00019]	ND
	1,2-Dibromoethane	0.00005	0.00005	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	[0.00002]	ND	[0.00002]	ND	[0.00002]	ND	[0.00019]	ND
	1,1,1,2-Tetrachloroethane	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	--	--	--	--	--	--	--	--
	1,1,1-Trichloroethane	0.2	0.2	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND
	1,1,2,2-Tetrachloroethane	0.0043	0.0043	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	1,1,2-Trichloroethane	0.005	0.005	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	1,1-Dichloroethane	7.3	7.3	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND
	1,1-Dichloroethene	0.007	0.007	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND
	1,1-Dichloropropene	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND
	1,2,3-Trichlorobenzene	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND
	1,2,3-Trichloropropane	0.00012	0.00012	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND
	1,2,4-Trichlorobenzene	0.07	0.07	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	1,2,4-Trimethylbenzene	1.8	1.8	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND
	1,2-Dibromo-3-Chloropropane	0.0002	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.01]	ND	[0.01]	ND	[0.01]	ND	[0.01]	ND
	1,2-Dibromoethane	0.00005	0.00005	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	1,2-Dichlorobenzene	0.6	0.6	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND
	1,2-Dichloroethane	0.005	0.005	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	1,2-Dichloropropane	0.005	0.005	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	1,3,5-Trimethylbenzene	1.8	1.8	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND
	1,3-Dichlorobenzene	0.4	3.3	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND
	1,3-Dichloropropane	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	1,4-Dichlorobenzene	0.075	0.075	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.004]	ND	[0.004]	ND	[0.004]	ND	[0.004]	ND
	2,2-Dichloropropane	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND
	2-Butanone	22	22	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.02]	ND	[0.02]	ND	[0.02]	ND	[0.02]	ND
	2-Chlorotoluene	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND
SW8260C VOC	2-Hexanone	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.02]	ND	[0.02]	ND	[0.02]	ND	[0.02]	ND
	4-Chlorotoluene	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND
	4-Isopropyltoluene	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND
	4-Methyl-2-pentanone	2.9	2.9	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.015]	ND	[0.015]	ND	[0.015]	ND	[0.015]	ND
	Acetone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[0.05]	ND	[0.05]	ND	[0.05]	ND	[0.05]	ND
	Benzene	0.005	0.005	[0.0002]	ND	--	--	[0.0002]	ND	--	--	[0.0002]	ND	--	--	[0.0002]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND
	Bromobenzene	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND
	Bromochloromethane	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND
	Bromodichloromethane	0.014	0.014	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND
	Bromoform	0.08	0.11	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	Bromomethane	0.048	0.051	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND
	Carbon disulfide	3.7	3.7	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	Carbon tetrachloride	0.005	0.005	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND
	Chlorobenzene	0.1	0.1	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND
	Chloroethane	0.29	0.29	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND
	Chloroform	0.08	0.14	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND
	Chloromethane	0.066	0.066	[0.0005]	ND	[0.005]	ND	**0.00039**	J	[0.005]	ND	[0.0005]	ND	[0.005]	ND	**0.00039**	J	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND
	cis-1,2-Dichloroethene	0.07	0.07	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	cis-1,3-Dichloropropene	0.0085	0.0085	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	Dibromochloromethane	0.01	0.01	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	Dibromomethane	0.37	0.37	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	Dichlorodifluoromethane	7.3	7.3	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND
	Ethylbenzene	0.7	0.7	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND
	Freon-113	--	1100	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	--	--	--	--	--	--	--	--

Table 10
Summary of Analytical Results - OW and APT Wells
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																					
				OW-1				OW-2				OW-3				OW-4				APT-1		APT-1 (Duplicate)		APT-2		APT-3	
				08/10/2016 13:53		09/22/2016 11:19		08/10/2016 11:45		09/22/2016 13:10		08/10/2016 17:50		09/22/2016 14:58		08/10/2016 16:25		09/22/2016 16:06		09/20/2016 10:32		09/20/2016 10:32		09/21/2016 14:00		09/20/2016 10:32	
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
SW8260C VOC	Hexachlorobutadiene	0.0073	0.0073	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND
	Isopropylbenzene	3.7	3.7	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND
	Methylene Chloride	0.005	0.005	[0.0025]	ND	--	--	[0.0025]	ND	--	--	[0.0025]	ND	--	--	[0.0025]	ND	--	--	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND
	Methyl tert-butyl ether	0.47	0.47	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	Naphthalene	0.73	0.73	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND
	n-Butylbenzene	0.37	0.37	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND
	N-Propylbenzene	0.37	0.37	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND
	o-Xylene	10	10	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	[0.002]	ND	[0.002]	ND
	P & M -Xylene	--	10	[0.001]	ND			[0.001]	ND			[0.001]	ND			[0.001]	ND			[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND
	sec-Butylbenzene	0.37	0.37	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND
	Styrene	0.1	0.1	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND
	t-Butylbenzene	0.37	0.37	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND
	Tetrachloroethene	0.005	0.005	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND
	Toluene	1	1	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.002]	ND	[0.002]	ND	**0.0027**	=	**0.0029**	=
	trans-1,2-Dichloroethene	0.1	0.1	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND
	trans-1,3-Dichloropropene	0.0085	0.0085	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	Trichloroethene	0.005	0.005	**0.00339**	=	[0.003]	ND	**0.00047**	J	[0.003]	ND	[0.0005]	ND	[0.003]	ND	**0.0131**	=	**0.057**	=	**0.039**	MH	**0.043**	=	[0.003]	ND	**0.015**	=
	Trichlorofluoromethane	11	11	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.0005]	ND	--	--	[0.003]	ND	[0.003]	ND	[0.003]	ND	[0.003]	ND
	Vinyl acetate	--	37	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	--	--	--	--	--	--	--	--
	Vinyl chloride	0.002	0.002	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND	[0.001]	ND
	Xylenes (total)	--	10	[0.0015]	ND	[0.005]	ND	[0.0015]	ND	[0.005]	ND	[0.0015]	ND	[0.005]	ND	[0.0015]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND
EPA 625M SIM (PAH)	Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo(a)Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo(b)Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Dibenzo[a,h]anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Indeno[1,2,3-c,d] pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW8270D SVOC	1,2,4-Trichlorobenzene	0.07	0.07	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	1,2-Dichlorobenzene	0.6	0.6	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	1,3-Dichlorobenzene	0.4	3.3	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	1,4-Dichlorobenzene	0.075	0.075	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	1-Chloronaphthalene	--	--	[0.0052]	ND	--	--	[0.0051]	ND	--	--	[0.00505]	ND	--	--	[0.00515]	ND	--	--	--	--	--	--	--	--	--	--
	1-Methylnaphthalene	0.15	0.15	[0.0052]	ND	[0.000059]	ND	[0.0051]	ND	[0.000058]	ND	[0.00505]	ND	[0.000059]	ND	[0.00515]	ND	[0.000059]	ND	[0.00006]	ND	[0.000057]	ND	[0.000058]	ND	[0.000057]	ND
	2,4,5-Trichlorophenol	2.6	3.7	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	2,4,6-Trichlorophenol	0.077	0.077	[0.0052]	ND	[0.00059]	ND	[0.0051]	ND	[0.00058]	ND	[0.00505]	ND	[0.00059]	ND	[0.00515]	ND	[0.00059]	ND	[0.0006]	ND	[0.00057]	ND	[0.00058]	ND	[0.00057]	ND
	2,4-Dichlorophenol	0.093	0.11	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	2,4-Dimethylphenol	0.54	0.73	[0.0052]	ND	[0.002]	ND	[0.0051]	ND	[0.0019]	ND	[0.00505]	ND	[0.002]	ND	[0.00515]	ND	[0.002]	ND	[0.002]	ND	[0.0019]	ND	[0.0019]	ND	[0.0019]	ND
	2,4-Dinitrophenol	0.07	0.073	[0.0261]	ND	[0.0049]	ND	[0.0255]	ND	[0.0048]	ND	[0.0253]	ND	[0.0049]	ND	[0.0257]	ND	[0.005]	ND	[0.005]	ND	[0.0047]	ND	[0.0048]	ND	[0.0048]	ND
	2,4-Dinitrotoluene	0.0013	0.0013	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	2,6-Dichlorophenol	--	--	[0.0052]	ND	--	--	[0.0051]	ND	--	--	[0.00505]	ND	--	--	[0.00515]	ND	--	--	--	--	--	--	--	--	--	--
	2,6-Dinitrotoluene	0.0013	0.0013	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	2-Chloronaphthalene	1.7	2.9	[0.0052]	ND	[0.000059]	ND	[0.0051]	ND	[0.000058]	ND	[0.00505]	ND	[0.000059]	ND	[0.00515]	ND	[0.000059]	ND	[0.00006]	ND	[0.000057]	ND	[0.000058]	ND	[0.000057]	ND
	2-Chlorophenol	0.12	0.18	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	2-Methyl-4,6-dinitrophenol	--	--	[0.0261]	ND	--	--	[0.0255]	ND	--	--	[0.0253]	ND	--	--	[0.0257]	ND	--	--	--	--	--	--	--	--	--	--
	2-Methylnaphthalene	0.15	0.15	[0.0052]	ND	[0.0002]	ND	[0.0051]	ND	[0.00019]	ND	[0.00505]	ND	[0.0002]	ND	[0.00515]	ND	[0.0002]	ND	[0.0002]	ND	[0.00019]	ND	[0.00019]	ND	[0.00019]	ND
	2-Methylphenol	1.8	1.8	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	2-Nitroaniline	--	--	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	2-Nitrophenol	--	--	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	3 & 4 Methylphenol	--	--	[0.0104]	ND	[0.00078]	ND	[0.0102]	ND	[0.00077]	ND	[0.0101]	ND	[0.00078]	ND	[0.0103]	ND	[0.00079]	ND	[0.00081]	ND	[0.00076]	ND	[0.00077]	ND	[0.00076]	ND
	3,3'-Dichlorobenzidine	0.0019	0.0019	[0.0052]	ND	[0.002]	ND, R	[0.0051]	ND	[0.0019]	ND, R	[0.00505]	ND	[0.002]	ND, R	[0.00515]	ND	[0.002]	ND, R	[0.002]	ND, QL	[0.0019]	ND, QL	[0.0019]	ND, R	[0.0019]	ND, QL
	3-Nitroaniline	--	--	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND, ML	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	4,6-Dinitro-2-methylphenol	0.0134	--	--	--	[0.0039]	ND	--	--	[0.0039]	ND	--	--	[0.0039]	ND	--	--	[0.004]	ND	[0.004]	ND	[0.0038]	ND	[0.0039]	ND	[0.0038]	ND
	4-Bromophenyl phenyl ether	--	--	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	4-Chloro-3-methylphenol	--	--	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	4-Chloroaniline	0.016	0.016	[0.0052]	ND	[0.00039]	ND, R	[0.0051]	ND	[0.00039]	ND, R	[0.00505]	ND	[0.00039]	ND, R	[0.00515]	ND	[0.0004]	ND, R	[0.0004]	ND, R	[0.00038]	ND, R	[0.00039]	ND, R	[0.00038]	ND, R
	4-Chlorophenyl phenyl ether	--	--	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	4-Nitroaniline	--	--	[0.0052]	ND	[0.00059]	ND	[0.0051]	ND	[0.00058]	ND	[0.00505]	ND	[0.00059]	ND	[0.00515]	ND	[0.00059]	ND	[0.0006]	ND	[0.00057]	ND	[0.00058]	ND	[0.00057]	ND
	4-Nitrophenol	--	--	[0.0261]	ND	[0.0029]	ND	[0.0255]	ND	[0.0029]	ND	[0.0253]	ND	[0.0029]	ND	[0.0257]	ND	[0.003]	ND	[0.003]	ND	[0.0028]	ND	[0.0029]	ND	[0.0029]	ND
	Acenaphthene	1.2	2.2	[0.0052]	ND	[0.000098]	ND	[0.0051]	ND	[0.000097]	ND	[0.00505]	ND	[0.000098]	ND	[0.00515]	ND	[0.000099]	ND	[0.0001]	ND	[0.000095]	ND	[0.000096]	ND	[0.000095]	ND
	Acenaphthylene	2.2	2.2	[0.0052]	ND	[0.000078]	ND	[0.0051]	ND	[0.000077]	ND	[0.00505]	ND	[0.000078]	ND	[0.00515]	ND	[0.000079]	ND	[0.000081]	ND	[0.000076]	ND	[0.000077]	ND	[0.000076]	ND
	Aniline	--	--	[0.0261]	ND	--	--	[0.0255]	ND	--	--	[0.0253]	ND	--	--	[0.0257]	ND	--	--	--	--	--	--	--	--	--	--
	Anthracene	9.6	11	[0.0052]	ND	[0.000039]	ND	[0.0051]	ND	[0.000039]	ND	[0.00505]	ND	[0.000039]	ND	[0.00515]	ND	[0.00004]	ND	[0.00004]	ND	[0.000038]	ND	[0.000039]	ND	[0.000038]	ND
	Azobenzene	--	--	[0.0052]	ND	--	--	[0.0051]	ND	--	--	[0.00505]	ND	--	--	[0.00515]	ND	--	--	--	--	--	--	--	--	--	--
	Benzo[a]anthracene	0.0012	0.0012	[0.0052]	ND	[0.000059]	ND	[0.0051]	ND	[0.000058]	ND	[0.00505]	ND	[0.000059]	ND	[0.00515]	ND	[0.000059]	ND	[0.00006]	ND	[0.000057]	ND	[0.000058]	ND	[0.000057]	ND
	Benzo[a]pyrene	0.0002	0.0002	[0.0052]	ND	[0.000039]	ND	[0.0051]	ND	[0.000039]	ND	[0.00505]	ND	[0.000039]	ND	[0.00515]	ND	[0.00004]	ND	[0.00004]	ND	[0.000038]	ND	[0.000039]	ND	[0.000038]	ND
	Benzo[b]fluoranthene	0.0012	0.0012	[0.0052]	ND	[0.000078]	ND	[0.0051]	ND	[0.000077]	ND	[0.00505]	ND	[0.000078]	ND	[0.00515]	ND	[0.000079]	ND	[0.000081]	ND	[0.000076]	ND	[0.000077]	ND	[0.000076]	ND
	Benzo[g,h,i]perylene	1.1	1.1	[0.0052]	ND	[0.000059]	ND	[0.0051]	ND	[0.000058]	ND	[0.00505]	ND	[0.000059]	ND	[0.00515]	ND	[0.000059]	ND	[0.00006]	ND	[0.000057]	ND	[0.000058]	ND	[0.000057]	ND
	Benzo[k]fluoranthene	0.012	0.012	[0.0052]	ND	[0.000059]	ND	[0.0051]	ND	[0.000058]	ND	[0.00505]	ND	[0.000059]	ND	[0.00515]	ND	[0.000059]	ND	[0.00006]	ND	[0.000057]	ND	[0.000058]	ND	[0.000057]	ND

Table 10
Summary of Analytical Results - OW and APT Wells
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria		Sample Identification[3]																			
				OW-1				OW-2				OW-3				OW-4				APT-1		APT-1 (Duplicate)		APT-2		APT-3	
		Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	08/10/2016 13:53		09/22/2016 11:19		08/10/2016 11:45		09/22/2016 13:10		08/10/2016 17:50		09/22/2016 14:58		08/10/2016 16:25		09/22/2016 16:06		09/20/2016 10:32		09/20/2016 10:32		09/21/2016 14:00		09/20/2016 10:32	
				Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag	Conc.[4]	Flag
SW8270D SVOC	Benzoic acid	150	150	[0.0261]	ND	[0.0029]	ND	[0.0255]	ND	[0.0029]	ND	[0.0253]	ND	[0.0029]	ND	[0.0257]	ND	[0.003]	ND	[0.003]	ND	**0.0045**	=	[0.0029]	ND	[0.0029]	ND
	Benzyl alcohol	--	--	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.002]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	Bis(2chloro1methylethyl)Ether	--	--	[0.0052]	ND	--	--	[0.0051]	ND	--	--	[0.00505]	ND	--	--	[0.00515]	ND	--	--	--	--	--	--	--	--	--	--
	Bis(2-chloroethoxy)methane	--	--	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	Bis(2-chloroethyl)ether	0.00077	0.00077	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	Bis(2-ethylhexyl) phthalate	0.006	0.006	[0.0052]	ND	[0.0029]	ND	[0.0051]	ND	[0.0029]	ND	[0.00505]	ND	[0.0029]	ND	[0.00515]	ND	[0.003]	ND	[0.003]	ND	[0.0028]	ND	[0.0029]	ND	[0.0029]	ND
	bis(chloroisopropyl) ether	1.4	--	--	--	[0.00039]	ND	--	--	[0.00039]	ND	--	--	[0.00039]	ND	--	--	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	Butyl benzyl phthalate	3	7.3	[0.0052]	ND	[0.00059]	ND	[0.0051]	ND	[0.00058]	ND	[0.00505]	ND	[0.00059]	ND	[0.00515]	ND	[0.00059]	ND	**0.0006**	=	[0.00057]	ND	[0.00058]	ND	[0.00057]	ND
	Carbazole	0.043	0.043	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	Chrysene	0.12	0.12	[0.0052]	ND	[0.000039]	ND	[0.0051]	ND	[0.000039]	ND	[0.00505]	ND	[0.000039]	ND	[0.00515]	ND	[0.00004]	ND	[0.00004]	ND	[0.000038]	ND	[0.000039]	ND	[0.000038]	ND
	Dibenz(a,h)anthracene	0.00012	0.00012	[0.0052]	ND	[0.000059]	ND	[0.0051]	ND	[0.000058]	ND	[0.00505]	ND	[0.000059]	ND	[0.00515]	ND	[0.000059]	ND	[0.00006]	ND	[0.000057]	ND	[0.000058]	ND	[0.000057]	ND
	Dibenzofuran	0.073	0.073	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	Diethyl phthalate	23	29	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	Dimethyl phthalate	313	370	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	Di-n-butyl phthalate	2.7	3.7	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	Di-n-octyl phthalate	1.5	1.5	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	Fluoranthene	0.3	1.5	[0.0052]	ND	[0.000049]	ND	[0.0051]	ND	[0.000048]	ND	[0.00505]	ND	[0.000049]	ND	[0.00515]	ND	[0.00005]	ND	[0.00005]	ND	[0.000047]	ND	[0.000048]	ND	[0.000048]	ND
	Fluorene	1.3	1.5	[0.0052]	ND	[0.000059]	ND	[0.0051]	ND	[0.000058]	ND	[0.00505]	ND	[0.000059]	ND	[0.00515]	ND	[0.000059]	ND	[0.00006]	ND	[0.000057]	ND	[0.000058]	ND	[0.000057]	ND
	Hexachlorobenzene	0.001	0.001	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	Hexachlorobutadiene	0.0073	0.0073	[0.0052]	ND	[0.00059]	ND, QL	[0.0051]	ND	[0.00058]	ND, QL	[0.00505]	ND	[0.00059]	ND, QL	[0.00515]	ND	[0.00059]	ND, QL	[0.0006]	ND, QL	[0.00057]	ND, QL	[0.00058]	ND, QL	[0.00057]	ND, QL
	Hexachlorocyclopentadiene	0.05	0.05	[0.0157]	ND	[0.002]	ND	[0.0153]	ND	[0.0019]	ND	[0.0152]	ND	[0.002]	ND	[0.0155]	ND	[0.002]	ND	[0.002]	ND	[0.0019]	ND	[0.0019]	ND	[0.0019]	ND
	Hexachloroethane	0.04	0.04	[0.0052]	ND	[0.00059]	ND	[0.0051]	ND	[0.00058]	ND	[0.00505]	ND	[0.00059]	ND	[0.00515]	ND	[0.00059]	ND	[0.0006]	ND	[0.00057]	ND	[0.00058]	ND	[0.00057]	ND
	Indeno[1,2,3-cd]pyrene	0.0012	0.0012	[0.0052]	ND	[0.000059]	ND	[0.0051]	ND	[0.000058]	ND	[0.00505]	ND	[0.000059]	ND	[0.00515]	ND	[0.000059]	ND	[0.00006]	ND	[0.000057]	ND	[0.000058]	ND	[0.000057]	ND
	Isophorone	0.9	0.9	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	Naphthalene	0.73	0.73	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	Nitrobenzene	0.017	0.018	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	N-Nitrosodimethylamine	--	0.000017	[0.0052]	ND	--	--	[0.0051]	ND	--	--	[0.00505]	ND	--	--	[0.00515]	ND	--	--	--	--	--	--	--	--	--	--
	N-Nitrosodi-n-propylamine	0.00012	0.00012	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00039]	ND	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	N-Nitrosodiphenylamine	0.17	0.17	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	**0.00042**	=	[0.00505]	ND	[0.00039]	ND	[0.00515]	ND	[0.0004]	ND	[0.0004]	ND, ML	[0.00038]	ND	[0.00039]	ND	[0.00038]	ND
	Pentachlorophenol	0.001	0.001	[0.0261]	ND	[0.00069]	ND	[0.0255]	ND	[0.00068]	ND	[0.0253]	ND	[0.00068]	ND	[0.0257]	ND	[0.00069]	ND	[0.00071]	ND	[0.00066]	ND	[0.00067]	ND	[0.00067]	ND
	Phenanthrene	11	11	[0.0052]	ND	[0.000078]	ND	[0.0051]	ND	[0.000077]	ND	[0.00505]	ND	[0.000078]	ND	[0.00515]	ND	[0.000079]	ND	[0.000081]	ND	[0.000076]	ND	[0.000077]	ND	[0.000076]	ND
	Phenol	11	11	[0.0052]	ND	[0.00059]	ND	[0.0051]	ND	[0.00058]	ND	[0.00505]	ND	[0.00059]	ND	[0.00515]	ND	[0.00059]	ND	[0.0006]	ND	[0.00057]	ND	[0.00058]	ND	[0.00057]	ND
	Pyrene	0.96	1.1	[0.0052]	ND	[0.000059]	ND	[0.0051]	ND	[0.000058]	ND	[0.00505]	ND	[0.000059]	ND	[0.00515]	ND	[0.000059]	ND	[0.00006]	ND	[0.000057]	ND	[0.000058]	ND	[0.000057]	ND

Notes:

1 - This screening level corresponds to ADEC groundwater cleanup levels from 18 AAC 75.345 Table C. Revised 5/8/2016
http://dec.alaska.gov/commish/regulations/pdfs/18%20aac%2075.pdf
2 - This screening level corresponds to the most conservative values within ADEC Water Quality Standards 18 AAC 70. Amended 2/19/2016.
https://dec.alaska.gov/commish/regulations/pdfs/18%20AAC%2070.pdf
3 - The field sample identification number and date collected are provided.
4 - For detected results, the sample result is listed in this column. For results of non-detect, the LOD is listed in [ ] in this column.
5 - ADEC Calculator: http://dec.alaska.gov/water/cruise_ships/gp/2010/zinc_rpa_stationary.xls
6 - May not exceed 5 NTUs above natural conditions (NC) when the natural turbidity is 50 NTU or less, and may not have more than
10% increase in turbidity when the natural turbidity is more than 50 NTU, not to exceed a maximum increase of 25 NTU. Turbidity screening
levels corresponds to ADEC Alaska General Permit AKG003000 for discharge of Aquifer Pump Test (Table 6).
http://dec.alaska.gov/water/wnpspc/stormwater/docs/AKG003000_Hydrostatic_GP_Permit.pdf
7 - Standards are specific to various factors, such as a receiving water body (e.g., freshwater or saltwater)
See ADEC Water Quality Criteria Manual for Toxic and other Deleterious Organic and Inorganic substances,
as amended through December 12, 2008, Appendices C through g.

Sample results exceeding the Water Quality Standards screening criteria are shown in (**BOLD** with light green shading). Used for APT, OW and Third Party Wells only
Analyte was not detected, but the LOD was above the screening level (light blue shading).
Detected concentrations listed in **BOLD**

Data Flags

=	Analyte detected at concentration listed in column to the left.
B	The reported concentration was less than five times that of the associated method blank and/or trip blank.
J	Result is considered an estimated value because the level is below the laboratory LOQ, but above the DL.
ND	Non-detect, LOD is in brackets [ ] in the concentration column.
MH, ML, MN	The quantitation was an estimate due to a quality control failure. Where applicable, a "H", "L", or "N" was used to indicate possible high, low, or unknown bias.
QH, QL, QN	The quantitation was an estimate due to a sample matrix quality control failure. Where applicable, a "H", "L", or "N" was used to indicate possible high, low, or unknown bias.
H	Holding Time Exceeded
U	Analyte was analyzed for but not detected
*	Lab Control Sample or Lab Control Sample Duplicate outside of acceptance limits

Abbreviations

--	Not applicable or screening criteria does not exist for this compound
AAC	Alaska Administrative Code
ADEC	Alaska Department of Environmental Conservation
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
PAH	Polycyclic Aromatic Hydrocarbon
SVOCs	Semi-volatile Organic Compounds
VOCs	Volatile Organic Compounds

Table 11
Summary of Analytical Results - Quarry Wells
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria			Sample Identification[3]																	
					MW-27B				MW-87B				MW-87B (Duplicate)				PQW-1					
		Permit AKG003000 Table 6 [3]	Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	4/19/2016 17:15		09/16/2016 16:55		04/19/2016 14:02		09/18/2016 15:10		04/19/2016 14:02		09/18/2016 15:10		4/23/2016 16:30		6/7/2016 13:30		6/7/2016 13:35		09/12/2016 15:10	
					Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag
200.8 Metal, Dissolved	Aluminum, Dissolved	--	--	--	**0.00683**	=	**0.00946**	=, B	**0.00239**	=, B	**0.0137**	=, B	**0.00285**	=, B	**0.0125**	=, B	**0.000823**	J	--	--	--	--	**0.00176**	J
	Antimony, Dissolved	--	--	--	[0.000025]	ND	**0.0000682**	=	[0.000025]	ND	**0.0000239**	J	[0.000025]	ND	**0.0000215**	J	[0.000025]	ND	--	--	--	--	[0.000025]	ND
	Arsenic, Dissolved	--	0.01	--	**0.00109**	=	**0.000824**	=	**0.00143**	=	**0.00177**	=	**0.00132**	=	**0.00156**	=	[0.0004]	ND	--	--	--	--	**0.00104**	=
	Barium, Dissolved	--	--	--	**0.0687**	=	**0.0629**	=	**0.0411**	=	**0.0373**	=	**0.041**	=	**0.04**	=	**0.0208**	=	--	--	--	--	**0.0431**	=
	Beryllium, Dissolved	--	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--	--	--	[0.000025]	ND
	Bismuth, Dissolved	--	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--	--	--	[0.000025]	ND
	Boron, Dissolved	--	--	--	**0.00383**	J	**0.00493**	J	**0.00563**	=	**0.0058**	=	**0.00539**	=	**0.0059**	=	**0.00544**	=	--	--	--	--	**0.00649**	=
	Cadmium, Dissolved [6]	--	0.06	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--	--	--	[0.000025]	ND
	Calcium, Dissolved	--	--	--	**19.6**	=	**18.1**	=	**15.7**	=	**14**	=	**15.6**	=	**14.5**	=	**15.8**	=	--	--	--	--	**18.4**	=
	Chromium, Dissolved	--	0.011	--	**0.000641**	=	**0.000199**	J	**0.000783**	=	**0.00242**	=	**0.000922**	=	**0.00217**	=	[0.00025]	ND	--	--	--	--	[0.00025]	ND
	Cobalt, Dissolved	--	--	--	**0.000356**	=	**0.000373**	=	**0.000384**	=	**0.000467**	=	**0.000378**	=	**0.000473**	=	**0.0000325**	=	--	--	--	--	**0.0000454**	=
	Copper, Dissolved [6]	--	0.00161	--	**0.00102**	=	**0.000237**	J, B	**0.00523**	=	**0.000232**	J, B	**0.00541**	=	**0.00022**	J, B	[0.00025]	ND	--	--	--	--	**0.000267**	J
	Iron, Dissolved	--	--	--	**9.4**	=	**7.83**	=	**8.59**	=	**7.73**	=	**8.6**	=	**8.2**	=	**1.08**	=	--	--	--	--	**10.6**	=
	Lead, Dissolved [6]	--	0.00027	--	[0.00005]	ND	[0.00005]	ND	[0.00005]	ND	[0.00005]	ND	[0.00005]	ND	**0.0000323**	J	**0.000108**	=	--	--	--	--	**0.0000328**	J
	Magnesium, Dissolved	--	--	--	**6.86**	=	**6.16**	=	**6.23**	=	**5.55**	=	**6.17**	=	**5.68**	=	**3.91**	=	--	--	--	--	**4.63**	=
	Manganese, Dissolved	--	--	--	**0.459**	=	**0.394**	=	**0.366**	=	**0.347**	=	**0.371**	=	**0.366**	=	**0.18**	=	--	--	--	--	**0.633**	=
	Molybdenum, Dissolved	--	--	--	**0.000199**	=	**0.000103**	=	**0.000433**	=	**0.000499**	=	**0.000451**	=	**0.00048**	=	**0.000525**	=	--	--	--	--	**0.000189**	=
	Nickel, Dissolved [6]	--	0.0095	--	**0.00204**	=	**0.0019**	=	**0.003**	=	**0.00756**	=	**0.00314**	=	**0.00747**	=	**0.000664**	=	--	--	--	--	**0.000438**	J
	Potassium, Dissolved	--	--	--	**2.14**	=	**2.04**	=	**2.19**	=	**1.91**	=	**2.2**	=	**1.97**	=	**2.95**	=	--	--	--	--	**2.5**	=
	Selenium, Dissolved	--	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	--	--	--	--	[0.0005]	ND
	Silicon, Dissolved	--	--	--	**16.6**	=, QH	**16.2**	=,QH	**18.1**	=, QH	**16.6**	=,QH	**18.2**	=, QH	**17.2**	=,QH	**0.575**	=, QH	--	--	--	--	**10.6**	=
	Silver, Dissolved [5]	--	0.00011	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	--	--	--	--	[0.00001]	ND
	Sodium, Dissolved	--	--	--	**7.52**	=	**8**	=	**8.24**	=	**7.48**	=	**8.23**	=	**7.55**	=	**12.8**	=	--	--	--	--	**8.74**	=
	Thallium, Dissolved	--	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	--	--	--	--	[0.00001]	ND
	Tin, Dissolved	--	--	--	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	**0.000197**	J	[0.0001]	ND	[0.0001]	ND	--	--	--	--	[0.0001]	ND
	Vanadium, Dissolved	--	--	--	[0.0005]	ND	**0.000331**	J	[0.0005]	ND	**0.000316**	J	[0.0005]	ND	**0.000413**	J	[0.0005]	ND	--	--	--	--	[0.0005]	ND
	Zinc, Dissolved [6]	--	0.02134	--	**0.00107**	J, B	**0.00387**	J,B	**0.00077**	J, B	**0.00509**	=, B	**0.000769**	J, B	**0.00562**	=, B	**0.044**	=	--	--	--	--	**0.00855**	=
200.8 Metal, Total	Aluminum, Total	--	0.087	--	**0.882**	=	**1.04**	=	**0.0272**	=	**0.239**	=	**0.025**	=	**0.274**	=	**0.0103**	=	--	--	--	--	**0.426**	=
	Antimony, Total	0.006	0.006	0.006	**0.00011**	=	**0.00019**	=	**0.0000268**	J	**0.0000487**	J	**0.0000209**	J	**0.0000504**	=	[0.000025]	ND	--	--	--	--	**0.000128**	=
	Arsenic, Total	0.01	0.01	0.01	**0.00252**	=	**0.00201**	=	**0.00139**	=	**0.00222**	=	**0.00162**	=	**0.00198**	=	**0.000555**	J	--	--	--	--	**0.00596**	=
	Barium, Total	--	2	2	**0.0833**	=	**0.0785**	=	**0.0412**	=	**0.0415**	=	**0.0393**	=	**0.0412**	=	**0.0215**	=	--	--	--	--	**0.0485**	=
	Beryllium, Total	--	0.004	0.004	**0.000042**	J	**0.0000348**	J	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--	--	--	[0.000025]	ND
	Bismuth, Total	--	--	--	[0.000025]	ND	**0.0000175**	J	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--	--	--	[0.000025]	ND
	Boron, Total	--	0.75	--	**0.0064**	=	**0.00498**	J	**0.00736**	=	**0.00611**	=	**0.0071**	=	**0.00559**	=	**0.00307**	J	--	--	--	--	**0.00647**	=
	Cadmium, Total	0.005	0.01	0.005	**0.0000309**	J	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND	--	--	--	--	**0.000275**	=
	Calcium, Total	--	--	--	**21**	=	**18.4**	=	**15.4**	=	**14.7**	=	**14.8**	=	**14**	=	**15.8**	=	--	--	--	--	**18.5**	=
	Chromium, Total	0.1	0.011	0.1	**0.00344**	=	**0.00371**	=	**0.0012**	=	**0.0354**	=	**0.0013**	=	**0.0372**	=	**0.000369**	J	--	--	--	--	**0.00193**	=
	Cobalt, Total	--	0.05	--	**0.000836**	=	**0.000916**	=	**0.000405**	=	**0.000888**	=	**0.000382**	=	**0.000894**	=	**0.0000952**	=	--	--	--	--	**0.000649**	=
	Copper, Total	0.2	0.0031	1	**0.00403**	=	**0.00379**	=	**0.00383**	=	**0.00219**	=	**0.00339**	=	**0.00257**	=	**0.000683**	=	--	--	--	--	**0.0247**	=
	Iron, Total	--	1	--	**12.9**	=	**10.7**	=	**8.4**	=	**9.46**	=	**8.36**	=	**9.5**	=	**7.31**	=	--	--	--	--	**30.5**	=
	Lead, Total	0.05	0.0081	0.015	**0.000614**	=	**0.000969**	=	**0.0000347**	J	**0.000469**	=, MN	[0.00005]	ND	**0.000296**	=, MN	**0.00339**	=	--	--	--	--	**0.0105**	=
	Magnesium, Total	--	--	--	**6.99**	=	**6.5**	=	**5.68**	=	**5.67**	=	**5.36**	=	**5.47**	=	**3.65**	=	--	--	--	--	**4.96**	=
	Manganese, Total	--	0.05	--	**0.501**	=	**0.403**	=	**0.356**	=	**0.37**	=	**0.34**	=	**0.367**	=	**0.222**	=	--	--	--	--	**0.751**	=
	Molybdenum, Total	0.01	0.01	--	**0.000343**	=	**0.000184**	=	**0.000421**	=	**0.0016**	=	**0.000415**	=	**0.00163**	=	**0.000408**	=	--	--	--	--	**0.000299**	=
	Nickel, Total	0.2	0.0082	0.1	**0.00363**	=	**0.0038**	=	**0.00265**	=	**0.0258**	=	**0.00259**	=	**0.0249**	=	**0.00118**	=	--	--	--	--	**0.00323**	=
	Potassium, Total	--	--	--	**2.41**	=	**2.34**	=	**2.1**	=	**1.94**	=	**2.05**	=	**1.92**	=	**3**	=	--	--	--	--	**2.54**	=
	Selenium, Total	0.01	0.005	0.05	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	--	--	--	--	[0.0005]	ND
	Silver, Total	--	0.0019	0.1	**0.00000744**	J, B	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	--	--	--	--	**0.0000676**	=
	Sodium, Total	--	--	--	**7.95**	=	**8.36**	=	**7.64**	=	**7.5**	=	**7.18**	=	**7.38**	=	**12**	=	--	--	--	--	**9.01**	=
	Thallium, Total	--	0.0017	0.002	**0.00000694**	J	**0.00000726**	J	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND	--	--	--	--	[0.00001]	ND
	Tin, Total	--	--	--	**0.000121**	J	**0.000154**	J	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND	--	--	--	--	**0.000328**	=
	Vanadium, Total	--	0.1	0.26	**0.00284**	=	**0.00374**	=	**0.000443**	J	**0.000377**	J	**0.000366**	J	**0.000844**	J	[0.0005]	ND	--	--	--	--	**0.00123**	=
	Zinc, Total	2	0.081	5	**0.00398**	=, B	**0.00709**	= , B	**0.00122**	J, B	**0.00614**	= , B	**0.00115**	J, B	**0.00709**	= , B	**1.41**	=	--	--	--	--	**3.19**	=
EPA 1631 E, Dissolved	Mercury, Dissolved	--	0.00077	--	**0.00000051**	J	[0.0000005]	ND	**0.000000519**	J	**0.000000514**	J	**0.000000768**	J	[0.0000005]	ND	**0.000000854**	J	--	--	--	--	[0.0000005]	ND
EPA 1631 E, Total	Mercury, Total	0.002	0.00005	0.002	**0.00000282**	=	**0.00000505**	=	**0.000000949**	J	**0.00000118**	=	**0.000000581**	J	**0.000000926**	J	**0.000000828**	J	--	--	--	--	**0.00000153**	=, B
AK101	Gasoline Range Organics	--	2.2	2.2	[0.05]	ND	[0.05]	ND	[0.05]	ND	[0.05]	ND	[0.05]	ND	[0.05]	ND	**0.204**	=	[0.05]	ND	[0.05]	ND	**0.0359**	J
AK102	Diesel Range Organics	--	1.5	1.5	**0.197**	J	**0.282**	J, B	[0.283]	ND	**0.354**	J,B	[0.294]	ND	**0.389**	J,B	[0.283]	ND	[0.294]	ND	[0.283]	ND	**0.21**	J
AK103	Residual Range Organics	--	1.1	1.1	**0.561**	=	[0.25]	ND	[0.236]	ND	[0.245]	ND	[0.245]	ND	[0.245]	ND	**0.419**	J	**0.161**	J	[0.236]	ND	[0.232]	ND
EPA 300.0	Chloride	250	230	--	**30.6**	=	**26.9**	=	**18.3**	=	**17.5**	=	**18.3**	=	**17.5**	=	**24.1**	=	--	--	--	--	**17.6**	=
	Fluoride	--	1	--	**0.056**	J, QH	**0.101**	J	**0.06**	J, QH	**0.115**	J	**0.06**	J, QH	**0.109**	J	**0.035**	J	--	--	--	--	**0.094**	J
	Nitrate-N	--	--	--	**--**	--	[0.1]	ND	**--**	--	[0.05]	ND,QL	**--**	--	[0.05]	ND	**--**	--	--	--	--	--	[0.05]	ND
	Nitrite-N	--	--	--	**--**	--	[0.1]	ND	**--**	--	[0.05]	ND,QL	**--**	--	[0.05]	ND	**--**	--	--	--	--	--	[0.05]	ND
	Sulfate	250	250	--	**5.31**	=	**5.63**	=	**6.61**	=	**5.91**	=	**6.61**	=	**5.91**	=	[0.05]	ND	--	--	--	--	**1.11**	=
EPA 410.4	Chemical Oxygen Demand	--	--	--	**--**	--	**--**	--	**--**	--	**--**	--			**--**	--	**--**	--	--	--	--	--	**--**	--
SM21 2130B	Turbidity (NTU)	See Note 7	See Note 7	--	**21**	=	**31**	=	**9.9**	=	**6.9**	=	**9**	=	**5.6**	=	**23**	=	--	--	--	--	**90**	=
SM21 2320B	Alkalinity	--	<20000	--	**58.2**	=	**53.8**	=	**55**	=	**53.9**	=	**50.9**	=	**57.4**	=	**41.8**	=	--	--	--	--	**68.7**	=
SM21 2340B	Hardness as CaCO3	--	--	--	**77.1**	=	**70.5**	=	**64.9**	=	**57.8**	=	**64.3**	=	**59.6**	=	**55.4**	=	--	--	--	--	**64.9**	=
SM21 2540B	Total Solids	--	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	--	--	--	--	**--**	--
SM21 2540C	Total Dissolved Solids	500	500	--	**160**	=	**167**	=	**125**	=	**140**	=	**128**	=	**142**	=	**102**	=	--	--	--	--	**128**	=
SM21 2540D	Total Suspended Solids	--	--	--	**25**	=	**25.6**	=	**8**	=	**10.9**	=	**7.21**	=	**11.3**	=	**15**	=	--	--	--	--	**59**	=
SM21 4500-NH3 G	Ammonia-N	--	See Note 8	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	--	--	--	--	**--**	--
SM21 4500-N D	Total Kjeldahl Nitrogen	--	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	--	--	--	--	**--**	--
SM21 4500NO3-F	Nitrate-N	--	--	--	[0.05]	ND	**--**	--	[0.05]	ND	**--**	--	[0.05]	ND	**--**	--	**0.067**	J, B	--	--	--	--	**--**	--
	Nitrite-N	--	--	--	[0.05]	ND	**--**	--	[0.05]	ND	**--**	--	[0.05]	ND	**--**	--	[0.05]	ND	--	--	--	--	**--**	--
SM21 4500P-B,E	Total Phosphorus	--	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	--	--	--	--	**--**	--
	Ortho Phosphate-P	--	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	--	--	--	--	**--**	--
SM21 5310B	Total Organic Carbon	--	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	--	--	--	--	**--**	--
	Dissolved Organic Carbon	--	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	--	--	--	--	**--**	--
SM21 9222D	Fecal Coliform (Col/100mL)	--	1	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	--	--	--	--	**--**	--
SM21 10200H	Chlorophyll A (mg/m^3)	--	--	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	**--**	--	--	--	--	--	**--**	--

Table 11
Summary of Analytical Results - Quarry Wells
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria			Sample Identification[3]																	
		Permit AKG003000 Table 6 [3]	Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	MW-27B				MW-87B				MW-87B (Duplicate)				PQW-1							
					4/19/2016 17:15		09/16/2016 16:55		04/19/2016 14:02		09/18/2016 15:10		04/19/2016 14:02		09/18/2016 15:10		4/23/2016 16:30		6/7/2016 13:30		6/7/2016 13:35		09/12/2016 15:10	
					Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag
SW8082A PCB	Aroclor-1016	--	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1221	--	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1232	--	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1242	--	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1248	--	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1254	--	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1260	--	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW 8270D SIM (PESTICIDE)	4,4'-DDD	--	0.0035	0.0035	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4,4'-DDE	--	0.0025	0.0025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4,4'-DDT	--	0.000001	0.0025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aldrin	--	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	alpha-BHC	--	0.00014	0.00014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	alpha-Chlordane	--	0.000004	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	beta-BHC	--	0.00047	0.00047	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	delta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Dieldrin	--	0.0000019	0.000053	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endosulfan I	--	0.0000087	0.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endosulfan II	--	0.0000087	0.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endosulfan sulfate	--	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin	--	0.0000023	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin aldehyde	--	0.00076	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin ketone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	gamma-BHC (Lindane)	--	0.00016	0.0002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	gamma-Chlordane	--	0.000004	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Heptachlor	--	0.0000036	0.0004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Heptachlor epoxide	--	0.0000036	0.0002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Methoxychlor	--	0.00003	0.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Toxaphene	--	0.0000002	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW8011, LL VOC	1,2,3-Trichloropropane	--	0.00012	0.00012	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	--	--	--	--	[0.00002]	ND
	1,2-Dibromoethane	--	0.00005	0.00005	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	--	--	--	--	[0.00002]	ND
SW8260C VOC	1,1,1,2-Tetrachloroethane	--	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	--	--	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	--	--
	1,1,1-Trichloroethane	--	0.2	0.2	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND
	1,1,2,2-Tetrachloroethane	--	0.0043	0.0043	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	[0.001]	ND
	1,1,2-Trichloroethane	--	0.005	0.005	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND
	1,1-Dichloroethane	--	7.3	7.3	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND
	1,1-Dichloroethene	--	0.007	0.007	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND
	1,1-Dichloropropene	--	--	--	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND
	1,2,3-Trichlorobenzene	--	--	--	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND
	1,2,3-Trichloropropane	--	0.00012	0.00012	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND
	1,2,4-Trichlorobenzene	--	0.07	0.07	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND
	1,2,4-Trimethylbenzene	--	1.8	1.8	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	**0.00238**	=	[0.0005]	ND	[0.0005]	ND	[0.003]	ND
	1,2-Dibromo-3-Chloropropane	--	0.0002	--	[0.005]	ND	[0.01]	ND	[0.005]	ND	[0.01]	ND	[0.005]	ND	[0.01]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.01]	ND
	1,2-Dibromoethane	--	0.00005	0.00005	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND
	1,2-Dichlorobenzene	--	0.6	0.6	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND
	1,2-Dichloroethane	--	0.005	0.005	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	[0.001]	ND
	1,2-Dichloropropane	--	0.005	0.005	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND
	1,3,5-Trimethylbenzene	--	1.8	1.8	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	**0.0004**	J	[0.0005]	ND	[0.0005]	ND	[0.003]	ND
	1,3-Dichlorobenzene	--	0.4	3.3	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND
	1,3-Dichloropropane	--	--	--	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	[0.001]	ND
	1,4-Dichlorobenzene	--	0.075	0.075	[0.00025]	ND	[0.004]	ND	[0.00025]	ND	[0.004]	ND	[0.00025]	ND	[0.004]	ND	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	[0.004]	ND
	2,2-Dichloropropane	--	--	--	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND
	2-Butanone	--	22	22	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.02]	ND
	2-Chlorotoluene	--	--	--	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND
	2-Hexanone	--	--	--	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.02]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.02]	ND
	4-Chlorotoluene	--	--	--	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND
	4-Isopropyltoluene	--	--	--	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND
	4-Methyl-2-pentanone	--	2.9	2.9	[0.005]	ND	[0.015]	ND	[0.005]	ND	[0.015]	ND	[0.005]	ND	[0.015]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.015]	ND
	Acetone	--	--	--	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	--	--	--	--	[0.05]	ND
	Benzene	--	0.005	0.005	[0.0002]	ND	[0.002]	ND	[0.0002]	ND	[0.002]	ND	[0.0002]	ND	[0.002]	ND	**0.0677**	=	**0.00073**	=	**0.00098**	=	**0.0066**	=
	Bromobenzene	--	--	--	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND
	Bromochloromethane	--	--	--	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND
	Bromodichloromethane	--	0.014	0.014	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	[0.002]	ND
	Bromoform	--	0.08	0.11	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND
	Bromomethane	--	0.048	0.051	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND
	Carbon disulfide	--	3.7	3.7	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.001]	ND
	Carbon tetrachloride	--	0.005	0.005	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND
	Chlorobenzene	--	0.1	0.1	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.002]	ND	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	[0.002]	ND
	Chloroethane	--	0.29	0.29	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.005]	ND
	Chloroform	--	0.08	0.14	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.005]	ND
	Chloromethane	--	0.066	0.066	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.005]	ND
	cis-1,2-Dichloroethene	--	0.07	0.07	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND
	cis-1,3-Dichloropropene	--	0.0085	0.0085	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	[0.001]	ND
	Dibromochloromethane	--	0.01	0.01	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.001]	ND	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND	[0.001]	ND
	Dibromomethane	--	0.37	0.37	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND
	Dichlorodifluoromethane	--	7.3	7.3	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND
	Ethylbenzene	--	0.7	0.7	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	**0.00056**	J	[0.0005]	ND	[0.0005]	ND	[0.003]	ND
	Freon-113	--	--	1100	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	[0.005]	ND	[0.005]	ND	--	--

Table 11
Summary of Analytical Results - Quarry Wells
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria			Sample Identification[3]																	
		Permit AKG003000 Table 6 [3]	Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	MW-27B				MW-87B				MW-87B (Duplicate)				PQW-1							
					4/19/2016 17:15		09/16/2016 16:55		04/19/2016 14:02		09/18/2016 15:10		04/19/2016 14:02		09/18/2016 15:10		4/23/2016 16:30		6/7/2016 13:30		6/7/2016 13:35		09/12/2016 15:10	
					Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag
SW8260C VOC	Hexachlorobutadiene	--	0.0073	0.0073	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND
	Isopropylbenzene	--	3.7	3.7	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND
	Methylene Chloride	--	0.005	0.005	[0.0025]	ND	[0.005]	ND	[0.0025]	ND	[0.005]	ND	[0.0025]	ND	[0.005]	ND	[0.0025]	ND	[0.0025]	ND	[0.0025]	ND	[0.005]	ND
	Methyl tert-butyl ether	--	0.47	0.47	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.001]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.001]	ND
	Naphthalene	--	0.73	0.73	[0.005]	ND	[0.002]	ND	[0.005]	ND	[0.002]	ND	[0.005]	ND	[0.002]	ND	[0.005]	ND	[0.005]	ND	[0.005]	ND	[0.002]	ND
	n-Butylbenzene	--	0.37	0.37	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND
	N-Propylbenzene	--	0.37	0.37	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND
	o-Xylene	--	10	10	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.002]	ND
	P & M -Xylene	--	--	10	[0.001]	ND	[0.003]	ND	[0.001]	ND	[0.003]	ND	[0.001]	ND	[0.003]	ND	**0.00493**	=	[0.001]	ND	[0.001]	ND	[0.003]	ND
	sec-Butylbenzene	--	0.37	0.37	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND
	Styrene	--	0.1	0.1	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	[0.0005]	ND	[0.005]	ND	**0.0031**	=	[0.0005]	ND	[0.0005]	ND	[0.005]	ND
	t-Butylbenzene	--	0.37	0.37	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND
	Tetrachloroethene	--	0.005	0.005	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND
	Toluene	--	1	1	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	[0.0005]	ND	[0.002]	ND	**0.0146**	=	[0.0005]	ND	[0.0005]	ND	[0.002]	ND
	trans-1,2-Dichloroethene	--	0.1	0.1	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND
	trans-1,3-Dichloropropene	--	0.0085	0.0085	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND
	Trichloroethene	--	0.005	0.005	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND
	Trichlorofluoromethane	--	11	11	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.003]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.003]	ND
	Vinyl acetate	--	--	37	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	--	--	[0.005]	ND	[0.005]	ND	[0.005]	ND	--	--
	Vinyl chloride	--	0.002	0.002	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.001]	ND	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND	[0.001]	ND
	Xylenes (total)	--	--	10	[0.0015]	ND	[0.005]	ND	[0.0015]	ND	[0.005]	ND	[0.0015]	ND	[0.005]	ND	**0.00493**	=	[0.0015]	ND	[0.0015]	ND	[0.005]	ND
	TAH	0.01	0.01	--	[0.00445]	ND	--	--	[0.00445]	ND	--	--	--	--	--	--	**0.08779**	=	**0.00073**	=	**0.00098**	=	--	--
EPA 625M SIM (PAH)	Acenaphthene	--	--	--	[0.0000254]	ND	--	--	[0.0000256]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	--	--	--	--
	Acenaphthylene	--	--	--	[0.0000254]	ND	--	--	[0.0000256]	ND	--	--	--	--	--	--	**0.0000412**	J	--	--	--	--	--	--
	Anthracene	--	--	--	[0.0000254]	ND	--	--	[0.0000256]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	--	--	--	--
	Benzo(a)Anthracene	--	--	--	[0.0000254]	ND	--	--	[0.0000256]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	--	--	--	--
	Benzo[a]pyrene	--	--	--	[0.0000101]	ND	--	--	[0.0000103]	ND	--	--	--	--	--	--	[0.0000102]	ND	--	--	--	--	--	--
	Benzo[b]Fluoranthene	--	--	--	[0.0000254]	ND	--	--	[0.0000256]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	--	--	--	--
	Benzo[g,h,i]perylene	--	--	--	[0.0000254]	ND	--	--	[0.0000256]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	--	--	--	--
	Benzo[k]fluoranthene	--	--	--	[0.0000254]	ND	--	--	[0.0000256]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	--	--	--	--
	Chrysene	--	--	--	[0.0000254]	ND	--	--	[0.0000256]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	--	--	--	--
	Dibenzo[a,h]anthracene	--	--	--	[0.0000101]	ND	--	--	[0.0000103]	ND	--	--	--	--	--	--	[0.0000102]	ND	--	--	--	--	--	--
	Fluoranthene	--	--	--	[0.0000254]	ND	--	--	[0.0000256]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	--	--	--	--
	Fluorene	--	--	--	[0.0000254]	ND	--	--	[0.0000256]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	--	--	--	--
	Indeno[1,2,3-c,d] pyrene	--	--	--	[0.0000254]	ND	--	--	[0.0000256]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	--	--	--	--
	Naphthalene	--	--	--	[0.000051]	ND	--	--	[0.0000515]	ND	--	--	--	--	--	--	**0.000406**	=	--	--	--	--	--	--
	Phenanthrene	--	--	--	[0.0000254]	ND	--	--	[0.0000256]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	--	--	--	--
	Pyrene	--	--	--	[0.0000254]	ND	--	--	[0.0000256]	ND	--	--	--	--	--	--	[0.0000255]	ND	--	--	--	--	--	--
SW8270D SVOC	1,2,4-Trichlorobenzene	--	0.07	0.07	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	1,2-Dichlorobenzene	--	0.6	0.6	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	1,3-Dichlorobenzene	--	0.4	3.3	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	1,4-Dichlorobenzene	--	0.075	0.075	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	1-Chloronaphthalene	--	--	--	[0.00515]	ND	--	--	[0.00515]	ND	--	--	[0.0052]	ND	--	--	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	--	--
	1-Methylnaphthalene	--	0.15	0.15	[0.00515]	ND	[0.000059]	ND	[0.00515]	ND	[0.000058]	ND	[0.0052]	ND	[0.000058]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND
	2,4,5-Trichlorophenol	--	2.6	3.7	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	2,4,6-Trichlorophenol	--	0.077	0.077	[0.00515]	ND	[0.00059]	ND	[0.00515]	ND	[0.00058]	ND	[0.0052]	ND	[0.00058]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0006]	ND
	2,4-Dichlorophenol	--	0.093	0.11	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	2,4-Dimethylphenol	--	0.54	0.73	[0.00515]	ND	[0.002]	ND	[0.00515]	ND	[0.0019]	ND	[0.0052]	ND	[0.0019]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.002]	ND
	2,4-Dinitrophenol	--	0.07	0.073	[0.0257]	ND	[0.0049]	ND	[0.0256]	ND	[0.0049]	ND	[0.0261]	ND	[0.0049]	ND	[0.0255]	ND	[0.0253]	ND	[0.0266]	ND	[0.005]	ND
	2,4-Dinitrotoluene	--	0.0013	0.0013	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	2,6-Dichlorophenol	--	--	--	[0.00515]	ND	--	--	[0.00515]	ND	--	--	[0.0052]	ND	--	--	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	--	--
	2,6-Dinitrotoluene	--	0.0013	0.0013	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	2-Chloronaphthalene	--	1.7	2.9	[0.00515]	ND	[0.000059]	ND	[0.00515]	ND	[0.000058]	ND	[0.0052]	ND	[0.000058]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND
	2-Chlorophenol	--	0.12	0.18	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	2-Methyl-4,6-dinitrophenol	--	--	--	[0.0257]	ND	--	--	[0.0256]	ND	--	--	[0.0261]	ND	--	--	[0.0255]	ND	[0.0253]	ND	[0.0266]	ND	--	--
	2-Methylnaphthalene	--	0.15	0.15	[0.00515]	ND	[0.0002]	ND	[0.00515]	ND	[0.00019]	ND	[0.0052]	ND	[0.00019]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0002]	ND
	2-Methylphenol	--	1.8	1.8	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	2-Nitroaniline	--	--	--	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	2-Nitrophenol	--	--	--	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	3 & 4 Methylphenol	--	--	--	[0.0103]	ND	[0.00078]	ND	[0.0103]	ND	[0.00078]	ND	[0.0104]	ND	[0.00078]	ND	[0.0102]	ND	[0.0101]	ND	[0.0107]	ND	[0.00081]	ND
	3,3'-Dichlorobenzidine	--	0.0019	0.0019	[0.00515]	ND	[0.002]	ND, QL	[0.00515]	ND	[0.0019]	ND, QL	[0.0052]	ND	[0.0019]	ND, QL	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.002]	ND, R
	3-Nitroaniline	--	--	--	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	4,6-Dinitro-2-methylphenol	--	0.0134	--	--	--	[0.0039]	ND	--	--	[0.0039]	ND	--	--	[0.0039]	ND	--	--	--	--	--	--	[0.004]	ND
	4-Bromophenyl phenyl ether	--	--	--	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	4-Chloro-3-methylphenol	--	--	--	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	4-Chloroaniline	--	0.016	0.016	[0.00515]	ND	[0.00039]	ND, R	[0.00515]	ND	[0.00039]	ND, R	[0.0052]	ND	[0.00039]	ND, R	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND, R
	4-Chlorophenyl phenyl ether	--	--	--	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	4-Nitroaniline	--	--	--	[0.00515]	ND	[0.00059]	ND	[0.00515]	ND	[0.00058]	ND	[0.0052]	ND	[0.00058]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0006]	ND
	4-Nitrophenol	--	--	--	[0.0257]	ND, QL	[0.0029]	ND	[0.0256]	ND, QL	[0.0029]	ND	[0.0261]	ND, QL	[0.0029]	ND	[0.0255]	ND	[0.0253]	ND	[0.0266]	ND	[0.003]	ND
	Acenaphthene	--	1.2	2.2	[0.00515]	ND	[0.000098]	ND	[0.00515]	ND	[0.000097]	ND	[0.0052]	ND	[0.000097]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0001]	ND
	Acenaphthylene	--	2.2	2.2	[0.00515]	ND	[0.000078]	ND	[0.00515]	ND	[0.000078]	ND	[0.0052]	ND	[0.000078]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.000081]	ND
	Aniline	--	--	--	[0.0257]	ND	--	--	[0.0256]	ND	--	--	[0.0261]	ND	--	--	[0.0255]	ND	[0.0253]	ND	[0.0266]	ND	--	--
	Anthracene	--	9.6	11	[0.00515]	ND	[0.000039]	ND	[0.00515]	ND	[0.000039]	ND	[0.0052]	ND	[0.000039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00004]	ND
	Azobenzene	--	--	--	[0.00515]	ND	--	--	[0.00515]	ND	--	--	[0.0052]	ND	--	--	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	--	--
	Benzo[a]anthracene	--	0.0012	0.0012	[0.00515]	ND	[0.000059]	ND	[0.00515]	ND	[0.000058]	ND	[0.0052]	ND	[0.000058]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND
	Benzo[a]pyrene	--	0.0002	0.0002	[0.00515]	ND	[0.000039]	ND	[0.00515]	ND	[0.000039]	ND	[0.0052]	ND	[0.000039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00004]	ND
	Benzo[b]fluoranthene	--	0.0012	0.0012	[0.00515]	ND	[0.000078]	ND	[0.00515]	ND	[0.000078]	ND	[0.0052]	ND	[0.000078]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.000081]	ND
	Benzo[g,h,i]perylene	--	1.1	1.1	[0.00515]	ND	[0.000059]	ND	[0.00515]	ND	[0.000058]	ND	[0.0052]	ND	[0.000058]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND
	Benzo[k]fluoranthene	--	0.012	0.012	[0.00515]	ND	[0.000059]	ND	[0.00515]	ND	[0.000058]	ND	[0.0052]	ND	[0.000058]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND

Table 11
Summary of Analytical Results - Quarry Wells
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria			Sample Identification[3]																	
					MW-27B				MW-87B				MW-87B (Duplicate)				PQW-1					
		Permit AKG003000 Table 6 [3]	Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	4/19/2016 17:15		09/16/2016 16:55		04/19/2016 14:02		09/18/2016 15:10		04/19/2016 14:02		09/18/2016 15:10		4/23/2016 16:30		6/7/2016 13:30		6/7/2016 13:35		09/12/2016 15:10	
					Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag
SW8270D SVOC	Benzoic acid	--	150	150	[0.0257]	ND, QL	[0.0029]	ND	[0.0256]	ND, QL	[0.0029]	ND	[0.0261]	ND, QL	[0.0029]	ND	**0.0334**	J	[0.02353]	ND	[0.0266]	ND	**0.0065**	=
	Benzyl alcohol	--	--	--	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	Bis(2chloro1methylethyl)Ether	--	--	--	[0.00515]	ND	--	--	[0.00515]	ND	--	--	[0.0052]	ND	--	--	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	--	--
	Bis(2-chloroethoxy)methane	--	--	--	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	Bis(2-chloroethyl)ether	--	0.00077	0.00077	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	Bis(2-ethylhexyl) phthalate	--	0.006	0.006	[0.00515]	ND	[0.0029]	ND	[0.00515]	ND	[0.0029]	ND	[0.0052]	ND	[0.0029]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.003]	ND
	bis(chloroisopropyl) ether	--	1.4	--	--	--	[0.00039]	ND	--	--	[0.00039]	ND	--	--	[0.00039]	ND	--	--	--	--	--	--	[0.0004]	ND
	Butyl benzyl phthalate	--	3	7.3	[0.00515]	ND	[0.00059]	ND	[0.00515]	ND	[0.00058]	ND	[0.0052]	ND	[0.00058]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0006]	ND
	Carbazole	--	0.043	0.043	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	Chrysene	--	0.12	0.12	[0.00515]	ND	[0.000039]	ND	[0.00515]	ND	[0.000039]	ND	[0.0052]	ND	[0.000039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00004]	ND
	Dibenz(a,h)anthracene	--	0.00012	0.00012	[0.00515]	ND	[0.000059]	ND	[0.00515]	ND	[0.000058]	ND	[0.0052]	ND	[0.000058]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND
	Dibenzofuran	--	0.073	0.073	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	Diethyl phthalate	--	23	29	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	Dimethyl phthalate	--	313	370	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	Di-n-butyl phthalate	--	2.7	3.7	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	**0.00322**	J	[0.00530]	ND	[0.0004]	ND
	Di-n-octyl phthalate	--	1.5	1.5	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	Fluoranthene	--	0.3	1.5	[0.00515]	ND	[0.000049]	ND	[0.00515]	ND	[0.000049]	ND	[0.0052]	ND	[0.000049]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00005]	ND
	Fluorene	--	1.3	1.5	[0.00515]	ND	[0.000059]	ND	[0.00515]	ND	[0.000058]	ND	[0.0052]	ND	[0.000058]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND
	Hexachlorobenzene	--	0.001	0.001	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	Hexachlorobutadiene	--	0.0073	0.0073	[0.00515]	ND	[0.00059]	ND	[0.00515]	ND	[0.00058]	ND	[0.0052]	ND	[0.00058]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0006]	ND
	Hexachlorocyclopentadiene	--	0.05	0.05	[0.0155]	ND	[0.002]	ND	[0.0154]	ND	[0.0019]	ND	[0.0157]	ND	[0.0019]	ND	[0.0153]	ND	[0.0152]	ND	[0.0159]	ND	[0.002]	ND
	Hexachloroethane	--	0.04	0.04	[0.00515]	ND	[0.00059]	ND	[0.00515]	ND	[0.00058]	ND	[0.0052]	ND	[0.00058]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0006]	ND
	Indeno[1,2,3-cd]pyrene	--	0.0012	0.0012	[0.00515]	ND	[0.000059]	ND	[0.00515]	ND	[0.000058]	ND	[0.0052]	ND	[0.000058]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND
	Isophorone	--	0.9	0.9	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	Naphthalene	--	0.73	0.73	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	Nitrobenzene	--	0.017	0.018	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	N-Nitrosodimethylamine	--	--	0.000017	[0.00515]	ND	--	--	[0.00515]	ND	--	--	[0.0052]	ND	--	--	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	--	--
	N-Nitrosodi-n-propylamine	--	0.00012	0.00012	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	N-Nitrosodiphenylamine	--	0.17	0.17	[0.00515]	ND	[0.00039]	ND	[0.00515]	ND	[0.00039]	ND	[0.0052]	ND	[0.00039]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.0004]	ND
	Pentachlorophenol	--	0.001	0.001	[0.0257]	ND	[0.00069]	ND	[0.0256]	ND	[0.00068]	ND	[0.0261]	ND	[0.00068]	ND	[0.0255]	ND	[0.0253]	ND	[0.0266]	ND	[0.0007]	ND
	Phenanthrene	--	11	11	[0.00515]	ND	[0.000078]	ND	[0.00515]	ND	[0.000078]	ND	[0.0052]	ND	[0.000078]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.000081]	ND
	Phenol	--	11	11	[0.00515]	ND	[0.00059]	ND	[0.00515]	ND	[0.00058]	ND	[0.0052]	ND	[0.00058]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	**0.0012**	=
	Pyrene	--	0.96	1.1	[0.00515]	ND	[0.000059]	ND	[0.00515]	ND	[0.000058]	ND	[0.0052]	ND	[0.000058]	ND	[0.0051]	ND	[0.00505]	ND	[0.00530]	ND	[0.00006]	ND
TAH + PAH	TAqH	0.015	0.015	--	[0.000403]	ND	--	--	[0.000403]	ND	--	--	--	--	--	--	**0.0882**	=	**0.00073**	=	**0.00098**	=	--	--

Notes:
1 - This screening level corresponds to ADEC groundwater cleanup levels from 18 AAC 75.345 Table C. Revised 5/8/2016
http://dec.alaska.gov/commish/regulations/pdfs/18%20aac%2075.pdf
2 - This screening level corresponds to the most conservative values within ADEC Water Quality Standards 18 AAC 70. Amended 2/19/2016.
https://dec.alaska.gov/commish/regulations/pdfs/18%20AAC%2070.pdf
3 - This screening level corresponds to ADEC Alaska General Permit AKG003000 for discharge of Aquifer Pump Test (Table 6).
http://dec.alaska.gov/water/wnpspc/stormwater/docs/AKG003000_Hydrostatic_GP_Permit.pdf
4 - The field sample identification number and date collected are provided.
5 - For detected results, the sample result is listed in this column. For results of non-detect, the LOD is listed in [ ] in this column.
6 - ADEC Calculator: http://dec.alaska.gov/water/cruise_ships/gp/2010/zinc_rpa_stationary.xls
7 - May not exceed 5 NTUs above natural conditions (NC) when the natural turbidity is 50 NTU or less, and may not have more than 10% increase in turbidity when the natural turbidity is more than 50 NTU, not to exceed a maximum increase of 25 NTU.
8 - Standards are specific to various factors, such as a receiving water body (e.g., freshwater or saltwater) See ADEC Water Quality Criteria Manual for Toxic and other Deleterious Organic and Inorganic substances, as amended through December 12, 2008, Appendices C through g.

Sample results exceeding the Water Quality Standards screening criteria are shown in (**BOLD** with light green shading).
Sample results exceeding the ADEC Table C Groundwater screening criteria are shown in (**BOLD** with yellow shading).
Analyte was not detected, but the LOD was above the screening level (light blue shading).
Detected concentrations listed in **BOLD**

Data Flags

=	Analyte detected at concentration listed in column to the left.
B	The reported concentration was less than five times that of the associated method blank and/or trip blank.
J	Result is considered an estimated value because the level is below the laboratory LOQ, but above the DL.
ND	Non-detect, LOD is in brackets [ ] in the concentration column.
MH, ML, MN	The quantitation was an estimate due to a quality control failure. Where applicable, a "H", "L", or "N" was used to indicate possible high, low, or unknown bias.
QH, QL, QN	The quantitation was an estimate due to a sample matrix quality control failure. Where applicable, a "H", "L", or "N" was used to indicate possible high, low, or unknown bias.
H	Holding Time Exceeded
U	Analyte was analyzed for but not detected
*	Lab Control Sample or Lab Control Sample Duplicate outside of acceptance limits

Abbreviations

--	Not applicable or screening criteria does not exist for this compound
AAC	Alaska Administrative Code
ADEC	Alaska Department of Environmental Conservation
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
PAH	Polycyclic Aromatic Hydrocarbon
SVOCs	Semi-volatile Organic Compounds
VOCs	Volatile Organic Compounds
TAH	Total (mono) Aromatic Hydrocarbon = Benzene, Chlorobenzene, Toluene, Ethylbenzene, 1-3, 1-4, and 1-2 di-Chlorobenzenes and total Xylenes (sum of m, p, and o-Xylene).
TAqH	Total Aqueous Hydrocarbon = TAH + PAH

Table 11
Summary of Analytical Results - Quarry Wells
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria			Sample Identification[3]											
		Permit AKG003000 Table 6 [3]	Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	TPW-1				TPW-1 (Duplicate)				TPW-2			
					04/23/2016 14:25		09/12/2016 11:57		4/23/2016 14:25		09/12/2016 11:57		4/23/2016 17:45		09/12/2016 10:05	
					Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag
200.8 Metal, Dissolved	Aluminum, Dissolved	--	--	--	**0.00311**	=	**0.000769**	J	--	--	**0.000704**	J	**0.00231**	=	**0.00188**	J
	Antimony, Dissolved	--	--	--	**0.0000222**	J	**0.0000209**	J	--	--	**0.0000294**	J	[0.000025]	ND	[0.000025]	ND
	Arsenic, Dissolved	--	0.01	--	[0.0004]	ND	[0.0004]	ND	--	--	[0.0004]	ND	**0.0156**	=	**0.0159**	=
	Barium, Dissolved	--	--	--	**0.000568**	=	**0.000424**	=	--	--	**0.000366**	=	**0.0104**	=	**0.012**	=
	Beryllium, Dissolved	--	--	--	[0.000025]	ND	[0.000025]	ND	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND
	Bismuth, Dissolved	--	--	--	[0.000025]	ND	[0.000025]	ND	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND
	Boron, Dissolved	--	--	--	**0.0335**	=	**0.0299**	=	--	--	**0.03**	=	**0.0246**	=	**0.0225**	=
	Cadmium, Dissolved [6]	--	0.06	--	**0.0000333**	J	[0.000025]	ND	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND
	Calcium, Dissolved	--	--	--	**6.61**	=	**6.34**	=	--	--	**6.12**	=	**17.9**	=	**18.8**	=
	Chromium, Dissolved	--	0.011	--	**0.000534**	=	[0.00025]	ND	--	--	[0.00025]	ND	**0.000185**	J	[0.00025]	ND
	Cobalt, Dissolved	--	--	--	**0.0000922**	=	**0.0000269**	=	--	--	**0.0000265**	=	**0.0000284**	=	**0.0000316**	=
	Copper, Dissolved [6]	--	0.00161	--	**0.000653**	=	[0.00025]	ND	--	--	[0.00025]	ND	[0.00025]	ND	[0.00025]	ND
	Iron, Dissolved	--	--	--	**0.652**	=	**0.106**	=	--	--	**0.0936**	=	**0.0624**	=	**0.0569**	=
	Lead, Dissolved [6]	--	0.00027	--	**0.000623**	=	**0.000049**	J	--	--	**0.0000385**	J	**0.0000688**	J	[0.00005]	ND
	Magnesium, Dissolved	--	--	--	**3.18**	=	**2.66**	=	--	--	**2.53**	=	**6.05**	=	**6.4**	=
	Manganese, Dissolved	--	--	--	**0.08**	=	**0.0611**	=	--	--	**0.0598**	=	**0.0858**	=	**0.0968**	=
	Molybdenum, Dissolved	--	--	--	**0.000525**	=	**0.000702**	=	--	--	**0.000656**	=	**0.000488**	=	**0.000424**	=
	Nickel, Dissolved [6]	--	0.0095	--	**0.00062**	=	**0.000193**	J	--	--	**0.000179**	J	**0.000328**	J	**0.00054**	J
	Potassium, Dissolved	--	--	--	**6.38**	=	**6.44**	=	--	--	**6.3**	=	**4.82**	=	**4.74**	=
	Selenium, Dissolved	--	--	--	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND
	Silicon, Dissolved	--	--	--	**1.54**	=, QH	**1.1**	=	--	--	**1.02**	=	**14.5**	=, QH	**14.9**	=
	Silver, Dissolved [5]	--	0.00011	--	[0.00001]	ND	[0.00001]	ND	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND
	Sodium, Dissolved	--	--	--	**9.74**	=	**8.99**	=	--	--	**8.59**	=	**7.62**	=	**7.01**	=
	Thallium, Dissolved	--	--	--	[0.00001]	ND	[0.00001]	ND	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND
	Tin, Dissolved	--	--	--	[0.0001]	ND	[0.0001]	ND	--	--	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND
	Vanadium, Dissolved	--	--	--	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	**0.000322**	J	[0.0005]	ND
	Zinc, Dissolved [6]	--	0.02134	--	**0.142**	=	**0.0383**	=	--	--	**0.037**	=	**0.000452**	J	**0.00168**	J
200.8 Metal, Total	Aluminum, Total	--	0.087	--	**0.0294**	=	**0.02**	=, MN	--	--	**0.00967**	=, MN	**0.00193**	J	**0.00189**	J
	Antimony, Total	0.006	0.006	0.006	**0.000058**	=	**0.000254**	=, MN	--	--	**0.000166**	=, MN	[0.000025]	ND	[0.000025]	ND
	Arsenic, Total	0.01	0.01	0.01	[0.0004]	ND	**0.000302**	J	--	--	[0.0004]	ND	**0.0143**	=	**0.0149**	=
	Barium, Total	--	2	2	**0.00169**	=	**0.00126**	=	--	--	**0.000931**	=	**0.00985**	=	**0.0111**	=
	Beryllium, Total	--	0.004	0.004	[0.000025]	ND	[0.000025]	ND	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND
	Bismuth, Total	--	--	--	[0.000025]	ND	[0.000025]	ND	--	--	[0.000025]	ND	[0.000025]	ND	[0.000025]	ND
	Boron, Total	--	0.75	--	**0.0333**	=	**0.0318**	=	--	--	**0.0313**	=	**0.0231**	=	**0.0203**	=
	Cadmium, Total	0.005	0.01	0.005	**0.000186**	=	**0.000284**	=	--	--	**0.000212**	=	[0.000025]	ND	[0.000025]	ND
	Calcium, Total	--	--	--	**7.23**	=	**6.95**	=	--	--	**6.71**	=	**16.7**	=	**17.5**	=
	Chromium, Total	0.1	0.011	0.1	**0.00176**	=	**0.000241**	J	--	--	[0.00025]	ND	**0.000254**	J	[0.00025]	ND
	Cobalt, Total	--	0.05	--	**0.000347**	=	**0.000177**	=, MN	--	--	**0.000118**	=, MN	**0.0000264**	=	**0.000028**	=
	Copper, Total	0.2	0.0031	1	**0.00766**	=	**0.00657**	=, MN	--	--	**0.00372**	=, MN	**0.000217**	J	**0.00021**	J
	Iron, Total	--	1	--	**5.98**	=	**6.26**	=, MN	--	--	**3.71**	=, MN	**0.0613**	=	**0.0588**	=
	Lead, Total	0.05	0.0081	0.015	**0.0065**	=	**0.00818**	=	--	--	**0.00657**	=	[0.00005]	ND	[0.00005]	ND
	Magnesium, Total	--	--	--	**3.38**	=	**2.78**	=	--	--	**2.69**	=	**5.77**	=	**5.55**	=
	Manganese, Total	--	0.05	--	**0.147**	=	**0.109**	=	--	--	**0.092**	=	**0.0797**	=	**0.088**	=
	Molybdenum, Total	0.01	0.01	--	**0.00033**	=	**0.000498**	=	--	--	**0.000449**	=	**0.000436**	=	**0.000378**	=
	Nickel, Total	0.2	0.0082	0.1	**0.0024**	=	**0.000771**	=, MN	--	--	**0.000561**	=, MN	**0.000297**	J	**0.000354**	J
	Potassium, Total	--	--	--	**7.41**	=	**7.09**	=	--	--	**6.95**	=	**4.58**	=	**4.32**	=
	Selenium, Total	0.01	0.005	0.05	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND
	Silver, Total	--	0.0019	0.1	[0.00001]	ND	[0.00001]	ND	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND
	Sodium, Total	--	--	--	**9.93**	=	**9.28**	=	--	--	**9.06**	=	**7.07**	=	**6.1**	=
	Thallium, Total	--	0.0017	0.002	[0.00001]	ND	[0.00001]	ND	--	--	[0.00001]	ND	[0.00001]	ND	[0.00001]	ND
	Tin, Total	--	--	--	**0.0000699**	J	[0.0001]	ND	--	--	[0.0001]	ND	[0.0001]	ND	[0.0001]	ND
	Vanadium, Total	--	0.1	0.26	[0.0005]	ND	[0.0005]	ND	--	--	[0.0005]	ND	[0.0005]	ND	[0.0005]	ND
	Zinc, Total	2	0.081	5	**0.95**	=	**0.775**	=	--	--	**0.621**	=	[0.00155]	ND	**0.00113**	J
EPA 1631 E, Dissolved	Mercury, Dissolved	--	0.00077	--	**0.000000517**	J	[0.0000005]	ND	--	--	[0.0000005]	ND	[0.0000005]	ND	**0.000000577**	J, B
EPA 1631 E, Total	Mercury, Total	0.002	0.00005	0.002	**0.000000646**	J	**0.000000648**	J, B	--	--	**0.000000669**	J, B	[0.0000005]	ND	**0.000000636**	J, B
AK101	Gasoline Range Organics	--	2.2	2.2	[0.05]	ND	[0.05]	ND	--	--	[0.05]	ND	[0.05]	ND	[0.05]	ND
AK102	Diesel Range Organics	--	1.5	1.5	[0.283]	ND	**0.234**	J	--	--	**0.253**	J	[0.3]	ND	**0.228**	J
AK103	Residual Range Organics	--	1.1	1.1	**0.869**	=	[0.24]	ND	--	--	[0.245]	ND	**0.221**	J	[0.24]	ND
EPA 300.0	Chloride	250	230	--	**4.2**	=	**4.71**	=	--	--	**4.72**	=	**11.4**	=	**13.6**	=
	Fluoride	--	1	--	**0.078**	J	**0.134**	J	--	--	**0.129**	J	**0.097**	J	**0.145**	J
	Nitrate-N	--	--	--	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND
	Nitrite-N	--	--	--	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND
	Sulfate	250	250	--	**0.576**	=	**0.558**	=	--	--	**0.562**	=	**1.75**	=	**2.44**	=
EPA 410.4	Chemical Oxygen Demand	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SM21 2130B	Turbidity (NTU)	See Note 7	See Note 7	--	**14**	=	**18**	=, MN	--	--	**13**	=, MN	**0.4**	=, B	**0.7**	=
SM21 2320B	Alkalinity	--	<20000	--	**47**	=	**50.2**	=	--	--	**50.1**	=	**63.6**	=	**75.9**	=
SM21 2340B	Hardness as CaCO3	--	--	--	[1]	=	**26.8**	=	--	--	**25.7**	=	**69.7**	=	**73.2**	=
SM21 2540B	Total Solids	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SM21 2540C	Total Dissolved Solids	500	500	--	**66**	=	**64**	=	--	--	**65**	=	**121**	=	**140**	=
SM21 2540D	Total Suspended Solids	--	--	--	**8.1**	=	**9.6**	=, MN	--	--	**19.2**	=, MN	[0.498]	ND	**0.7**	J
SM21 4500-NH3 G	Ammonia-N	--	See Note 8	--	--	--	--	--	--	--	--	--	--	--	--	--
SM21 4500-N D	Total Kjeldahl Nitrogen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SM21 4500NO3-F	Nitrate-N	--	--	--	**0.07**	J, B	--	--	--	--	--	--	[0.05]	ND	--	--
	Nitrite-N	--	--	--	[0.05]	ND	--	--	--	--	--	--	**0.056**	J	--	--
SM21 4500P-B,E	Total Phosphorus	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Ortho Phosphate-P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SM21 5310B	Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Dissolved Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SM21 9222D	Fecal Coliform (Col/100mL)	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--
SM21 10200H	Chlorophyll A (mg/m^3)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria			Sample Identification[3]											
					TPW-1				TPW-1 (Duplicate)				TPW-2			
		Permit AKG003000 Table 6 [3]	Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	04/23/2016 14:25		09/12/2016 11:57		4/23/2016 14:25		09/12/2016 11:57		4/23/2016 17:45		09/12/2016 10:05	
					Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag
SW8082A PCB	Aroclor-1016	--	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1221	--	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1232	--	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1242	--	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1248	--	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1254	--	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1260	--	0.000014	0.0005	--	--	--	--	--	--	--	--	--	--	--	--
SW 8270D SIM (PESTICIDE)	4,4'-DDD	--	0.0035	0.0035	--	--	--	--	--	--	--	--	--	--	--	--
	4,4'-DDE	--	0.0025	0.0025	--	--	--	--	--	--	--	--	--	--	--	--
	4,4'-DDT	--	0.000001	0.0025	--	--	--	--	--	--	--	--	--	--	--	--
	Aldrin	--	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--
	alpha-BHC	--	0.00014	0.00014	--	--	--	--	--	--	--	--	--	--	--	--
	alpha-Chlordane	--	0.000004	0.002	--	--	--	--	--	--	--	--	--	--	--	--
	beta-BHC	--	0.00047	0.00047	--	--	--	--	--	--	--	--	--	--	--	--
	delta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Dieldrin	--	0.0000019	0.000053	--	--	--	--	--	--	--	--	--	--	--	--
	Endosulfan I	--	0.0000087	0.22	--	--	--	--	--	--	--	--	--	--	--	--
	Endosulfan II	--	0.0000087	0.22	--	--	--	--	--	--	--	--	--	--	--	--
	Endosulfan sulfate	--	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin	--	0.0000023	0.002	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin aldehyde	--	0.00076	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin ketone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	gamma-BHC (Lindane)	--	0.00016	0.0002	--	--	--	--	--	--	--	--	--	--	--	--
	gamma-Chlordane	--	0.000004	0.002	--	--	--	--	--	--	--	--	--	--	--	--
	Heptachlor	--	0.0000036	0.0004	--	--	--	--	--	--	--	--	--	--	--	--
	Heptachlor epoxide	--	0.0000036	0.0002	--	--	--	--	--	--	--	--	--	--	--	--
	Methoxychlor	--	0.00003	0.04	--	--	--	--	--	--	--	--	--	--	--	--
	Toxaphene	--	0.0000002	0.003	--	--	--	--	--	--	--	--	--	--	--	--
SW8011, LL VOC	1,2,3-Trichloropropane	--	0.00012	0.00012	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND
	1,2-Dibromoethane	--	0.00005	0.00005	--	--	[0.00002]	ND	--	--	[0.00002]	ND	--	--	[0.00002]	ND
SW8260C VOC	1,1,1,2-Tetrachloroethane	--	--	--	[0.00025]	ND	--	--	--	--	--	--	[0.00025]	ND	--	--
	1,1,1-Trichloroethane	--	0.2	0.2	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	1,1,2,2-Tetrachloroethane	--	0.0043	0.0043	[0.00025]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.00025]	ND	[0.001]	ND
	1,1,2-Trichloroethane	--	0.005	0.005	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND
	1,1-Dichloroethane	--	7.3	7.3	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	1,1-Dichloroethene	--	0.007	0.007	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	1,1-Dichloropropene	--	--	--	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	1,2,3-Trichlorobenzene	--	--	--	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	1,2,3-Trichloropropane	--	0.00012	0.00012	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	1,2,4-Trichlorobenzene	--	0.07	0.07	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND
	1,2,4-Trimethylbenzene	--	1.8	1.8	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	**0.00031**	J	[0.003]	ND
	1,2-Dibromo-3-Chloropropane	--	0.0002	--	[0.005]	ND	[0.01]	ND	--	--	[0.01]	ND	[0.005]	ND	[0.01]	ND
	1,2-Dibromoethane	--	0.00005	0.00005	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND
	1,2-Dichlorobenzene	--	0.6	0.6	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	1,2-Dichloroethane	--	0.005	0.005	[0.00025]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.00025]	ND	[0.001]	ND
	1,2-Dichloropropane	--	0.005	0.005	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND
	1,3,5-Trimethylbenzene	--	1.8	1.8	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	1,3-Dichlorobenzene	--	0.4	3.3	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	1,3-Dichloropropane	--	--	--	[0.00025]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.00025]	ND	[0.001]	ND
	1,4-Dichlorobenzene	--	0.075	0.075	[0.00025]	ND	[0.004]	ND	--	--	[0.004]	ND	[0.00025]	ND	[0.004]	ND
	2,2-Dichloropropane	--	--	--	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	2-Butanone	--	22	22	[0.005]	ND	[0.02]	ND	--	--	[0.02]	ND	[0.005]	ND	[0.02]	ND
	2-Chlorotoluene	--	--	--	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	2-Hexanone	--	--	--	[0.005]	ND	[0.02]	ND	--	--	[0.02]	ND	[0.005]	ND	[0.02]	ND
	4-Chlorotoluene	--	--	--	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	4-Isopropyltoluene	--	--	--	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	4-Methyl-2-pentanone	--	2.9	2.9	[0.005]	ND	[0.015]	ND	--	--	[0.015]	ND	[0.005]	ND	[0.015]	ND
	Acetone	--	--	--	--	--	[0.05]	ND	--	--	[0.05]	ND	--	--	[0.05]	ND
	Benzene	--	0.005	0.005	[0.0002]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0002]	ND	[0.002]	ND
	Bromobenzene	--	--	--	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	Bromochloromethane	--	--	--	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	Bromodichloromethane	--	0.014	0.014	[0.00025]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.00025]	ND	[0.002]	ND
	Bromoform	--	0.08	0.11	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND
	Bromomethane	--	0.048	0.051	[0.005]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.005]	ND	[0.005]	ND
	Carbon disulfide	--	3.7	3.7	[0.005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.005]	ND	[0.001]	ND
	Carbon tetrachloride	--	0.005	0.005	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	Chlorobenzene	--	0.1	0.1	[0.00025]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.00025]	ND	[0.002]	ND
	Chloroethane	--	0.29	0.29	[0.0005]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.0005]	ND	[0.005]	ND
	Chloroform	--	0.08	0.14	[0.0005]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.0005]	ND	[0.005]	ND
	Chloromethane	--	0.066	0.066	[0.0005]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.0005]	ND	[0.005]	ND
	cis-1,2-Dichloroethene	--	0.07	0.07	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND
	cis-1,3-Dichloropropene	--	0.0085	0.0085	[0.00025]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.00025]	ND	[0.001]	ND
	Dibromochloromethane	--	0.01	0.01	[0.00025]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.00025]	ND	[0.001]	ND
	Dibromomethane	--	0.37	0.37	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND
	Dichlorodifluoromethane	--	7.3	7.3	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	Ethylbenzene	--	0.7	0.7	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	Freon-113	--	--	1100	[0.005]	ND	--	--	--	--	--	--	[0.005]	ND	--	--

Table 11
Summary of Analytical Results - Quarry Wells
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria			Sample Identification[3]											
					TPW-1				TPW-1 (Duplicate)				TPW-2			
		Permit AKG003000 Table 6 [3]	Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	04/23/2016 14:25		09/12/2016 11:57		4/23/2016 14:25		09/12/2016 11:57		4/23/2016 17:45		09/12/2016 10:05	
					Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag
SW8260C VOC	Hexachlorobutadiene	--	0.0073	0.0073	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	Isopropylbenzene	--	3.7	3.7	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	Methylene Chloride	--	0.005	0.005	[0.0025]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.0025]	ND	[0.005]	ND
	Methyl tert-butyl ether	--	0.47	0.47	[0.005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.005]	ND	[0.001]	ND
	Naphthalene	--	0.73	0.73	[0.005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.005]	ND	[0.002]	ND
	n-Butylbenzene	--	0.37	0.37	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	N-Propylbenzene	--	0.37	0.37	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	o-Xylene	--	10	10	[0.0005]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	P & M -Xylene	--	--	10	[0.001]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.001]	ND	[0.003]	ND
	sec-Butylbenzene	--	0.37	0.37	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	Styrene	--	0.1	0.1	[0.0005]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.0005]	ND	[0.005]	ND
	t-Butylbenzene	--	0.37	0.37	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	Tetrachloroethene	--	0.005	0.005	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	Toluene	--	1	1	**0.00083**	J	[0.002]	ND	--	--	[0.002]	ND	[0.0005]	ND	[0.002]	ND
	trans-1,2-Dichloroethene	--	0.1	0.1	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	trans-1,3-Dichloropropene	--	0.0085	0.0085	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND
	Trichloroethene	--	0.005	0.005	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	Trichlorofluoromethane	--	11	11	[0.0005]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0005]	ND	[0.003]	ND
	Vinyl acetate	--	--	37	[0.005]	ND	--	--	--	--	--	--	[0.005]	ND	--	--
	Vinyl chloride	--	0.002	0.002	[0.0005]	ND	[0.001]	ND	--	--	[0.001]	ND	[0.0005]	ND	[0.001]	ND
	Xylenes (total)	--	--	10	[0.0015]	ND	[0.005]	ND	--	--	[0.005]	ND	[0.0015]	ND	[0.005]	ND
	TAH	0.01	0.01	--	**0.00083**	J	--	--	--	--	--	--	[0.00445]	ND	--	--
EPA 625M SIM (PAH)	Acenaphthene	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--
	Acenaphthylene	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--
	Anthracene	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--
	Benzo(a)Anthracene	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--
	Benzo[a]pyrene	--	--	--	[0.0000102]	ND	--	--	[0.0000102]	ND	--	--	[0.0000104]	ND	--	--
	Benzo[b]Fluoranthene	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--
	Benzo[g,h,i]perylene	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--
	Benzo[k]fluoranthene	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--
	Chrysene	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--
	Dibenzo[a,h]anthracene	--	--	--	[0.0000102]	ND	--	--	[0.0000102]	ND	--	--	[0.0000104]	ND	--	--
	Fluoranthene	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--
	Fluorene	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--
	Indeno[1,2,3-c,d] pyrene	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--
	Naphthalene	--	--	--	[0.000051]	ND	--	--	[0.000051]	ND	--	--	**0.000129**	=	--	--
	Phenanthrene	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--
	Pyrene	--	--	--	[0.0000255]	ND	--	--	[0.0000255]	ND	--	--	[0.0000261]	ND	--	--
SW8270D SVOC	1,2,4-Trichlorobenzene	--	0.07	0.07	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	1,2-Dichlorobenzene	--	0.6	0.6	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	1,3-Dichlorobenzene	--	0.4	3.3	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	1,4-Dichlorobenzene	--	0.075	0.075	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	1-Chloronaphthalene	--	--	--	[0.0051]	ND	--	--	--	--	--	--	[0.00515]	ND	--	--
	1-Methylnaphthalene	--	0.15	0.15	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	**0.00023**	=
	2,4,5-Trichlorophenol	--	2.6	3.7	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	2,4,6-Trichlorophenol	--	0.077	0.077	[0.0051]	ND	[0.00061]	ND	--	--	[0.00061]	ND	[0.00515]	ND	[0.00061]	ND
	2,4-Dichlorophenol	--	0.093	0.11	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	2,4-Dimethylphenol	--	0.54	0.73	[0.0051]	ND	[0.002]	ND	--	--	[0.002]	ND	[0.00515]	ND	[0.002]	ND
	2,4-Dinitrophenol	--	0.07	0.073	[0.0255]	ND	[0.005]	ND	--	--	[0.0051]	ND	[0.0257]	ND	[0.0051]	ND
	2,4-Dinitrotoluene	--	0.0013	0.0013	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	2,6-Dichlorophenol	--	--	--	[0.0051]	ND	--	--	--	--	--	--	[0.00515]	ND	--	--
	2,6-Dinitrotoluene	--	0.0013	0.0013	[0.0051]	ND	**0.00047**	=	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	2-Chloronaphthalene	--	1.7	2.9	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND
	2-Chlorophenol	--	0.12	0.18	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	2-Methyl-4,6-dinitrophenol	--	--	--	[0.0255]	ND	--	--	--	--	--	--	[0.0257]	ND	--	--
	2-Methylnaphthalene	--	0.15	0.15	[0.0051]	ND	[0.0002]	ND	--	--	[0.0002]	ND	[0.00515]	ND	**0.00021**	=
	2-Methylphenol	--	1.8	1.8	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	2-Nitroaniline	--	--	--	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	2-Nitrophenol	--	--	--	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	3 & 4 Methylphenol	--	--	--	[0.0102]	ND	[0.00081]	ND	--	--	[0.00081]	ND	[0.0103]	ND	[0.00082]	ND
	3,3'-Dichlorobenzidine	--	0.0019	0.0019	[0.0051]	ND	[0.002]	ND, R	--	--	[0.002]	ND, R	[0.00515]	ND	[0.002]	ND, R
	3-Nitroaniline	--	--	--	[0.0051]	ND	[0.0004]	ND,QL,ML	--	--	[0.00041]	ND,QL	[0.00515]	ND	[0.00041]	ND,QL
	4,6-Dinitro-2-methylphenol	--	0.0134	--	--	--	[0.004]	ND	--	--	[0.0041]	ND	--	--	[0.0041]	ND
	4-Bromophenyl phenyl ether	--	--	--	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	4-Chloro-3-methylphenol	--	--	--	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	4-Chloroaniline	--	0.016	0.016	[0.0051]	ND	[0.0004]	ND, R	--	--	[0.00041]	ND, R	[0.00515]	ND	[0.00041]	ND, R
	4-Chlorophenyl phenyl ether	--	--	--	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	4-Nitroaniline	--	--	--	[0.0051]	ND	[0.00061]	ND,QL	--	--	[0.00061]	ND,QL	[0.00515]	ND	[0.00061]	ND,QL
	4-Nitrophenol	--	--	--	[0.0255]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0257]	ND	[0.0031]	ND
	Acenaphthene	--	1.2	2.2	[0.0051]	ND	[0.0001]	ND	--	--	[0.0001]	ND	[0.00515]	ND	[0.0001]	ND
	Acenaphthylene	--	2.2	2.2	[0.0051]	ND	[0.000081]	ND	--	--	[0.000081]	ND	[0.00515]	ND	[0.000082]	ND
	Aniline	--	--	--	[0.0255]	ND	--	--	--	--	--	--	[0.0257]	ND	--	--
	Anthracene	--	9.6	11	[0.0051]	ND	[0.00004]	ND	--	--	[0.000041]	ND	[0.00515]	ND	[0.000041]	ND
	Azobenzene	--	--	--	[0.0051]	ND	--	--	--	--	--	--	[0.00515]	ND	--	--
	Benzo[a]anthracene	--	0.0012	0.0012	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND
	Benzo[a]pyrene	--	0.0002	0.0002	[0.0051]	ND	[0.00004]	ND	--	--	[0.000041]	ND	[0.00515]	ND	[0.000041]	ND
	Benzo[b]fluoranthene	--	0.0012	0.0012	[0.0051]	ND	[0.000081]	ND	--	--	[0.000081]	ND	[0.00515]	ND	[0.000082]	ND
	Benzo[g,h,i]perylene	--	1.1	1.1	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND
	Benzo[k]fluoranthene	--	0.012	0.012	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND

Table 11
Summary of Analytical Results - Quarry Wells
Alaska Onshore LNG. 2016
Nikiski, AK

Method	Compound in milligrams per Liter (mg/L)	Screening Criteria			Sample Identification[3]											
					TPW-1				TPW-1 (Duplicate)				TPW-2			
					04/23/2016 14:25		09/12/2016 11:57		4/23/2016 14:25		09/12/2016 11:57		4/23/2016 17:45		09/12/2016 10:05	
		Permit AKG003000 Table 6 [3]	Water Quality Standards for Designated Uses [2]	ADEC Table C Groundwater Cleanup Level[1]	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag	Conc.[5]	Flag
SW8270D SVOC	Benzoic acid	--	150	150	[0.0255]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.0257]	ND	[0.0031]	ND
	Benzyl alcohol	--	--	--	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND, QL	[0.00515]	ND	[0.00041]	ND, QL
	Bis(2chloro1methylethyl)Ether	--	--	--	[0.0051]	ND	--	--	--	--	--	--	[0.00515]	ND	--	--
	Bis(2-chloroethoxy)methane	--	--	--	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	Bis(2-chloroethyl)ether	--	0.00077	0.00077	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	Bis(2-ethylhexyl) phthalate	--	0.006	0.006	[0.0051]	ND	[0.003]	ND	--	--	[0.003]	ND	[0.00515]	ND	[0.0031]	ND
	bis(chloroisopropyl) ether	--	1.4	--	--	--	[0.0004]	ND, ML	--	--	[0.00041]	ND	--	--	[0.00041]	ND
	Butyl benzyl phthalate	--	3	7.3	[0.0051]	ND	**0.0014**	=	--	--	[0.00061]	ND	[0.00515]	ND	**0.0014**	B
	Carbazole	--	0.043	0.043	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	Chrysene	--	0.12	0.12	[0.0051]	ND	[0.00004]	ND	--	--	[0.000041]	ND	[0.00515]	ND	[0.000041]	ND
	Dibenz(a,h)anthracene	--	0.00012	0.00012	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND
	Dibenzofuran	--	0.073	0.073	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	Diethyl phthalate	--	23	29	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	Dimethyl phthalate	--	313	370	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	Di-n-butyl phthalate	--	2.7	3.7	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	**0.0013**	B
	Di-n-octyl phthalate	--	1.5	1.5	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	Fluoranthene	--	0.3	1.5	[0.0051]	ND	[0.00005]	ND	--	--	[0.000051]	ND	[0.00515]	ND	[0.000051]	ND
	Fluorene	--	1.3	1.5	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND
	Hexachlorobenzene	--	0.001	0.001	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	Hexachlorobutadiene	--	0.0073	0.0073	[0.0051]	ND	[0.00061]	ND	--	--	[0.00061]	ND	[0.00515]	ND	[0.00061]	ND
	Hexachlorocyclopentadiene	--	0.05	0.05	[0.0153]	ND	[0.002]	ND, QL	--	--	[0.002]	ND, QL	[0.0155]	ND	[0.002]	ND, QL
	Hexachloroethane	--	0.04	0.04	[0.0051]	ND	[0.00061]	ND	--	--	[0.00061]	ND	[0.00515]	ND	[0.00061]	ND
	Indeno[1,2,3-cd]pyrene	--	0.0012	0.0012	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND
	Isophorone	--	0.9	0.9	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	Naphthalene	--	0.73	0.73	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	Nitrobenzene	--	0.017	0.018	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	N-Nitrosodimethylamine	--	--	0.000017	[0.0051]	ND	--	--	--	--	--	--	[0.00515]	ND	--	--
	N-Nitrosodi-n-propylamine	--	0.00012	0.00012	[0.0051]	ND	[0.0004]	ND	--	--	[0.00041]	ND	[0.00515]	ND	[0.00041]	ND
	N-Nitrosodiphenylamine	--	0.17	0.17	[0.0051]	ND	[0.0004]	ND, QL	--	--	[0.00041]	ND, QL	[0.00515]	ND	[0.00041]	ND, QL
	Pentachlorophenol	--	0.001	0.001	[0.0255]	ND	[0.00071]	ND	--	--	[0.00071]	ND	[0.0257]	ND	[0.00072]	ND
	Phenanthrene	--	11	11	[0.0051]	ND	[0.000081]	ND	--	--	[0.000081]	ND	[0.00515]	ND	[0.000082]	ND
	Phenol	--	11	11	[0.0051]	ND	[0.00061]	ND	--	--	[0.00061]	ND	[0.00515]	ND	[0.00061]	ND
	Pyrene	--	0.96	1.1	[0.0051]	ND	[0.000061]	ND	--	--	[0.000061]	ND	[0.00515]	ND	[0.000061]	ND
TAH + PAH	TAqH	0.015	0.015	--	**0.00083**	J	--	--	[0.000403]	ND	--	--	**0.000129**	=	--	--

Notes:
1 - This screening level corresponds to ADEC groundwater cleanup levels from 18 AAC 75.345 Table C. Revised 5/8/2016
http://dec.alaska.gov/commish/regulations/pdfs/18%20aac%2075.pdf
2 - This screening level corresponds to the most conservative values within ADEC Water Quality Standards 18 AAC 70. Amended 2/19/2016.
https://dec.alaska.gov/commish/regulations/pdfs/18%20AAC%2070.pdf
3 - This screening level corresponds to ADEC Alaska General Permit AKG003000 for discharge of Aquifer Pump Test (Table 6).
http://dec.alaska.gov/water/wnpspc/stormwater/docs/AKG003000_Hydrostatic_GP_Permit.pdf
4 - The field sample identification number and date collected are provided.
5 - For detected results, the sample result is listed in this column. For results of non-detect, the LOD is listed in [ ] in this column.
6 - ADEC Calculator: http://dec.alaska.gov/water/cruise_ships/gp/2010/zinc_rpa_stationary.xls
7 - May not exceed 5 NTUs above natural conditions (NC) when the natural turbidity is 50 NTU or less, and may not have more than 10% increase in turbidity when the natural turbidity is more than 50 NTU, not to exceed a maximum increase of 25 NTU.
8 - Standards are specific to various factors, such as a receiving water body (e.g., freshwater or saltwater) See ADEC Water Quality Criteria Manual for Toxic and other Deleterious Organic and Inorganic substances, as amended through December 12, 2008, Appendices C through g.

Sample results exceeding the Water Quality Standards screening criteria are shown in (**BOLD** with light green shading).
Sample results exceeding the ADEC Table C Groundwater screening criteria are shown in (**BOLD** with yellow shading).
Analyte was not detected, but the LOD was above the screening level (light blue shading).
Detected concentrations listed in **BOLD**

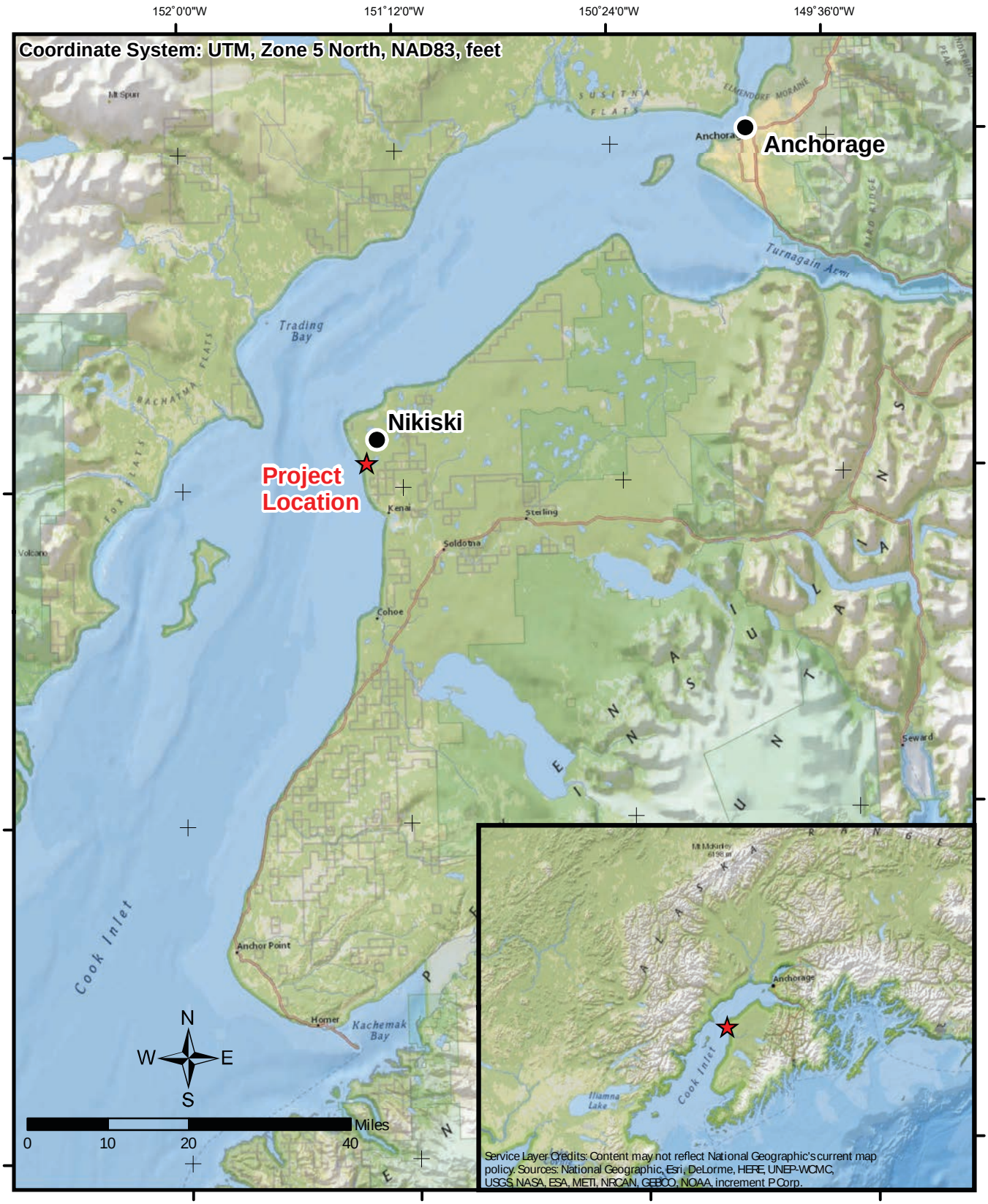
Data Flags

=	Analyte detected at concentration listed in column to the left.
B	The reported concentration was less than five times that of the associated method blank and/or trip blank.
J	Result is considered an estimated value because the level is below the laboratory LOQ, but above the DL.
ND	Non-detect, LOD is in brackets [ ] in the concentration column.
MH, ML, MN	The quantitation was an estimate due to a quality control failure. Where applicable, a "H", "L", or "N" was used to indicate possible high, low, or unknown bias.
QH, QL, QN	The quantitation was an estimate due to a sample matrix quality control failure. Where applicable, a "H", "L", or "N" was used to indicate possible high, low, or unknown bias.
H	Holding Time Exceeded
U	Analyte was analyzed for but not detected
*	Lab Control Sample or Lab Control Sample Duplicate outside of acceptance limits

Abbreviations

--	Not applicable or screening criteria does not exist for this compound
AAC	Alaska Administrative Code
ADEC	Alaska Department of Environmental Conservation
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
PAH	Polycyclic Aromatic Hydrocarbon
SVOCs	Semi-volatile Organic Compounds
VOCs	Volatile Organic Compounds
TAH	Total (mono) Aromatic Hydrocarbon = Benzene, Chlorobenzene, Toluene, Ethylbenzene, 1-3, 1-4, and 1-2 di-Chlorobenzenes, and total Xylenes (sum of m, p, and o-Xylene).
TAqH	Total Aqueous Hydrocarbon = TAH + PAH

ILLUSTRATIONS



VICINITY MAP
ONSHORE LNG FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 1

Grid Coordinate System:
NAD83 NSRS2007

Pipeline Routes

Onshore LNG Facilities Study Area

Marine Terminal Study Area

Cook Inlet

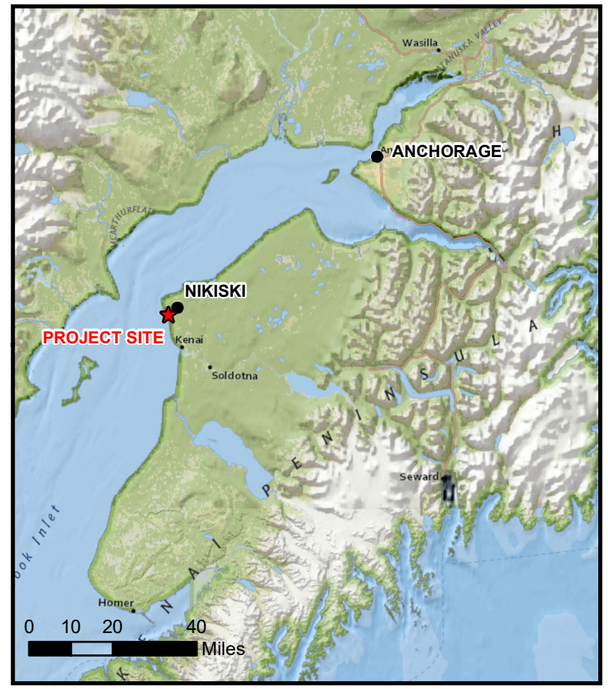
Kenai Muni Airport

Kenai

Cohoe

N
W E
S

0 25,000 50,000 100,000 Feet



KEY MAP

LEGEND

- Onshore LNG Facilities Study Area
- Marine Terminal Study Area
- Dredge Disposal Area
- Pipeline Routes

NOTE:

1. Onshore LNG Facilities Study Area boundary provided by AKLNG.

OVERALL SITE PLAN
ONSHORE LNG FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 2

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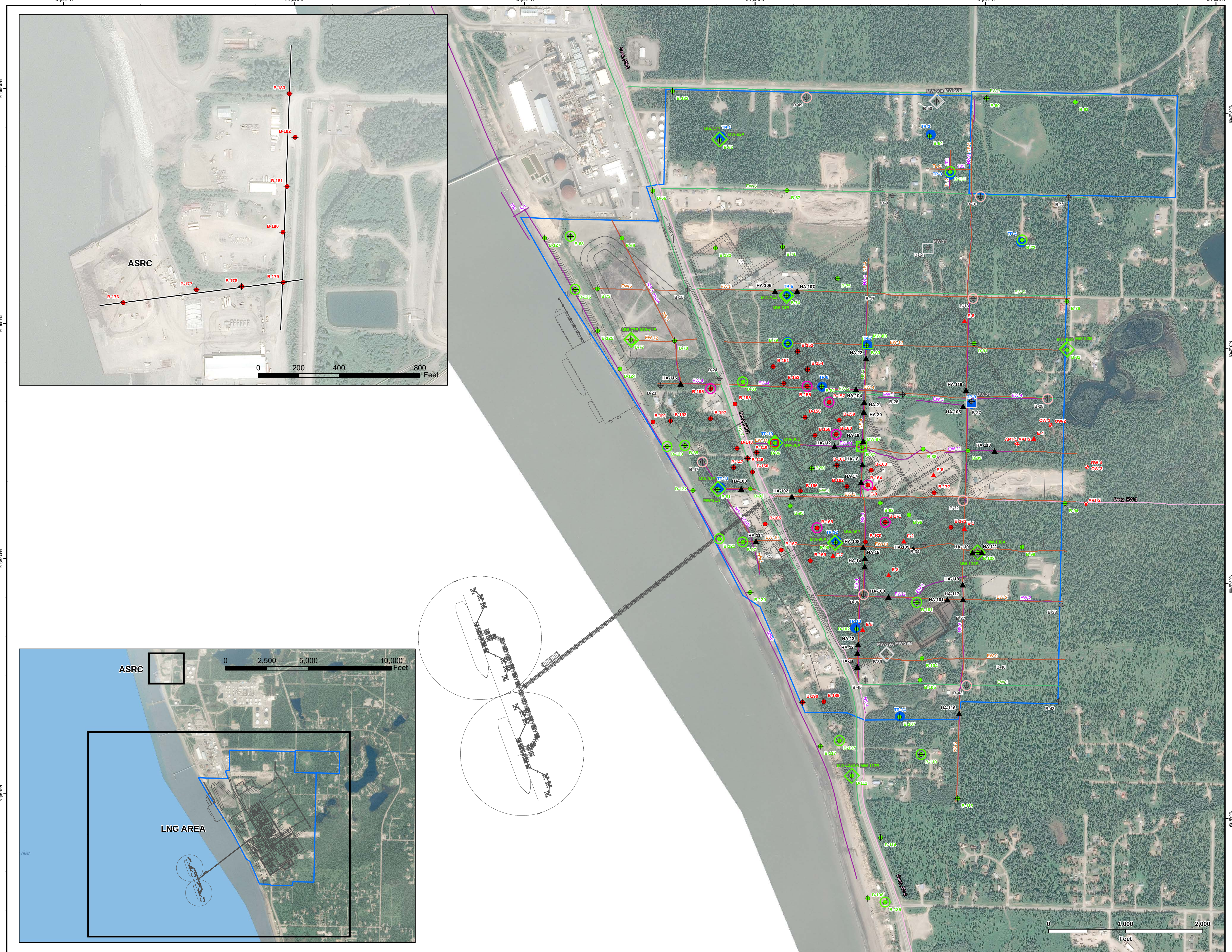


LEGEND

Onshore LNG Facilities Study Area

GEOTECHNICAL EXPLORATIONS

- Boring (2016)
- Boring (2015)
- Boring (2014)
- APT Well (2016)
- Observation Well (2016)
- VES Location (2016)
- Hand Auger (2015)
- Test Pit (2015)
- Monitoring Well - Shallow (2016)
- Monitoring Well - Shallow (2015)
- Monitoring Well - Shallow&Deep (2015)
- Monitoring Well - Shallow (2014)
- Monitoring Well - Shallow&Deep (2014)
- Downhole Geophysics (2016)
- Downhole Geophysics (2015)
- Downhole Geophysics (2014)

GEOPHYSICAL SURVEY LINES

- Deep Seismic (2015)
- ERT (2015)
- Shallow Seismic (2015)
- Shallow Seismic (2014)

Borings	As-Built Elevation (NAVD88, ft)	Depth, ft	As-Built Coordinates (NAD83 - NSRS2007)		DH[1]	MW[2]	TP[3]
			Longitude, deg	Latitude, deg			
B-9	132.25	100.50	-151.35640930	60.67185419			
B-10	132.80	103.00	-151.35002130	60.67188199	1		
B-11	136.36	101.30	-151.34366490	60.67192943			
B-14	133.40	110.70	-151.35375740	60.67003682		1	
B-15	122.96	101.00	-151.37105710	60.66836028			
B-17	131.21	101.50	-151.35723250	60.66845974			
B-18	131.25	101.50	-151.35041260	60.66826252	1		
B-23	124.63	186.50	-151.37288540	60.66494561			
B-24	120.40	101.00	-151.36864010	60.66523854			
B-26	125.54	100.50	-151.35535980	60.66481307			
B-27	124.35	101.50	-151.35039120	60.66461107		1	
B-28	118.89	103.00	-151.34486220	60.66475620	1		
B-32	122.99	101.50	-151.35084730	60.66109265	1		
B-34	111.83	101.00	-151.35361470	60.65951893			
B-36	111.70	103.00	-151.35789050	60.65768300	1		
B-37	106.27	27.00	-151.35022180	60.65717918			
B-38	123.47	151.30	-151.34359640	60.65746298			
B-39	95.51	151.50	-151.35615280	60.65559414		2	
B-40	120.84	101.50	-151.34721580	60.65547709			
B-42	118.85	101.50	-151.35029920	60.65453131	1		
B-43	121.14	102.80	-151.34362450	60.65405368			
B-45	109.09	101.50	-151.35759480	60.65465742			
B-47	119.73	151.00	-151.36972090	60.66227016	1		
B-49	127.76	101.50	-151.36274610	60.67526763	1		
B-50	131.66	151.50	-151.35335930	60.67524580		2	
B-60	135.49	81.00	-151.34970518	60.67539889			
B-61	137.58	96.00	-151.34332584	60.67530860			
B-62	127.66	101.30	-151.36898112	60.67372335		2	1
B-64	133.91	86.00	-151.35383276	60.67397590			1
B-66	127.44	105.00	-151.37372952	60.67185480			
B-67	124.49	110.50	-151.36405465	60.67196390			
B-68	122.47	202.00	-151.37961780	60.67016196	1		
B-69	123.86	105.50	-151.37590717	60.67015134			
B-71	116.20	101.00	-151.36427266	60.66996116			
B-72	135.28	86.30	-151.34710070	60.67027771	1		1
B-73	122.34	111.00	-151.37753990	60.66852118			
B-74	111.99	151.00	-151.36389233	60.66824205	1	2	1
B-75	129.87	101.50	-151.36028017	60.66890221			
B-76	130.47	101.00	-151.34362252	60.66829367			
B-77	116.01	202.00	-151.37510864	60.66654928	1	2	
B-78	118.09	101.00	-151.37192900	60.66654928			
B-79	123.61	101.00	-151.36374290	60.66653811	1		1
B-80	130.85	100.50	-151.35803312	60.66653133		1	1
B-81	128.79	106.00	-151.35027766	60.66667672			
B-82	116.34	150.50	-151.34337253	60.66650909		2	1
B-83	126.03	106.00	-151.36693500	60.66514200	1		
B-84	127.53	100.80	-151.36123975	60.66503400			1
B-85	119.50	202.00	-151.37102452	60.66284303			
B-86	124.85	101.00	-151.36453497	60.66300368	1	3	1
B-87	106.46	96.30	-151.35823947	60.66291477	1	1	
B-88	93.98	101.30	-151.35380723	60.66288908			
B-89	126.64	101.30	-151.35055076	60.66287057			
B-90	110.48	101.00	-151.36189643	60.66213101			
B-91	117.54	100.60	-151.36864403	60.66129503		2	1
B-92	118.03	99.80	-151.36624365	60.66135905			
B-93	118.69	101.00	-151.35681706	60.66095091			
B-94	127.39	101.00	-151.34346988	60.66106965			
B-95	96.73	101.00	-151.36332415	60.66078281			
B-96	97.65	101.00	-151.35473390	60.66054881			
B-97	109.47	203.00	-151.36669900	60.65946066	1		
B-98	115.67	101.00	-151.35997475	60.65951243		2	1
B-99	123.82	151.00	-151.34652491	60.65948995			
B-101	94.98	152.00	-151.35402409	60.65744590	1		
B-102	97.95	101.00	-151.35833603	60.65645887			1
B-104	95.22	105.90	-151.35258202	60.65547421			

Borings	As-Built Elevation (NAVD88, ft)	Depth, ft	As-Built Coordinates (NAD83 - NSRS2007)		DH[1]	MW[2]	TP[3]
			Longitude, deg	Latitude, deg			
B-105	95.54	101.00	-151.35368353	60.65469558			
B-107	96.04	101.00	-151.35545580	60.65337380			1
B-110	117.07	155.70	-151.35348741	60.65205636	1		
B-112	109.09	101.00	-151.35846843	60.65124872		2	
B-113	112.53	113.50	-151.35080438	60.65052782			
B-114	114.99	126.00	-151.35629452	60.64907498			
B-117	7.60	99.30	-151.36078845	60.65228123			
B-120	15.41	101.00	-151.36601528	60.65771551			
B-121	16.38	120.40	-151.36825549	60.65946757	1		
B-122	16.52	101.00	-151.37037895	60.66120614			
B-123	15.78	139.00	-151.37209000	60.66279044	1		
B-124	13.68	78.50	-151.37584730	60.66551173			
B-125	14.43	101.00	-151.37751496	60.66684480			
B-126	14.43	127.00	-151.37914509	60.66831013	1		
B-127	15.98	101.00	-151.38141047	60.67012169			
B-131	133.25	91.00	-151.35225744	60.67274798	1		1
B-132	122.90	111.00	-151.36911316	60.66986806			
B-133	125.63	105.50	-151.37244708	60.67540767			
B-135	112.66	150.50	-151.35586806	60.64679349	1		
B-136	13.42	94.00	-151.35727753	60.64689374			
B-137	116.64	115.50	-151.35941780	60.65248997	1		
B-138	103.22	146.00	-151.34969539	60.65926678		2	
B-146	111.74	217.30	-151.36648264	60.66243655	1		
B-147	119.69	200.30	-151.36747798	60.66209855			
B-148	122.26	206.10	-151.36726271	60.66278039			
B-149	126.30	223.00	-151.36585008	60.66265279			
B-150	110.97	200.20	-151.36610352	60.66195569			
B-151	125.85	201.00	-151.36476522	60.66571099			
B-152	125.79	150.40	-151.36303312	60.66626550			
B-153	126.81	150.60	-151.36397783	60.66511871			
B-154	127.46	151.00	-151.36228714	60.66562743			
B-155	126.76	151.00	-151.36228399	60.66502805	1		
B-156	124.84	151.00	-151.36239760	60.66393399			
B-157	124.51	151.00	-151.36066599	60.66448827	1		
B-158	120.63	150.50	-151.36163461	60.66329807			
B-159	118.84	150.30	-151.35991084	60.66385187			
B-160	115.35	150.20	-151.36011160	60.66335236	1		
B-161	105.03	156.00	-151.36001832	60.66225349			
B-162	111.45	151.00	-151.35926363	60.66151597			
B-163	104.85	150.90	-151.35752400	60.66210614			
B-164	105.43	151.00	-151.35773753	60.66157129	1		
B-165	103.54	150.30	-151.36510331	60.66011521			
B-166	100.68	150.70	-151.36262002	60.66132084			
B-167	111.91	150.30	-151.36390727	60.65921073			
B-168	118.89	176.00	-151.36134711	60.66001705	1		
B-169	122.82	151.00	-151.36179473	60.65885340			
B-170	123.01	171.00	-151.35783392	60.65955956			
B-171	116.53	151.00	-151.35643036	60.66026570	1		
B-172	119.91	160.50	-151.35294376	60.66135351			
B-173	121.02	171.00	-151.35167947	60.66013946			
B-176	27.14	210.20	-151.39778916	60.68727972	1		
B-177	29.39	51.00	-151.39577948	60.68747575			
B-178	34.20	51.00	-151.39453464	60.68753301			
B-179	43.66	51.00	-151.39339076	60.68760076			
B-180	77.76	76.00	-151.39342768	60.68827819			
B-181	87.19	76.50	-151.39334051	60.68889704			
B-182	85.60	50.50	-151.39314642	60.68956559			
B-183	98.76	101.10	-151.39333025	60.69015403			
B-189	119.97	201.00	-151.36061126	60.65385926			
B-190	20.56	97.10	-151.36215168	60.65382001			
B-191	20.50	114.20	-151.37337267	60.66365831			
B-192	123.19	239.30	-151.37209739	60.66371093			
B-195	119.97	226.00	-151.36924661	60.66487249	1		
B-197	122.74	249.60	-151.36922005	60.66381855			
B-198	117.99	300.50	-151.36747007	60.66435767			

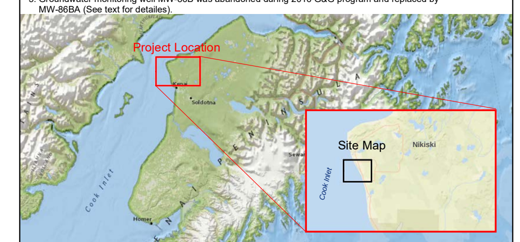
Notes:
[1]DH = Downhole Seismic Test
[2]MW = Monitoring Well
[3]TP = Test Pit

Monitoring Wells	As-Built Elevation (NAVD88, ft)	Depth, ft	As-Built Coordinates (NAD83 - NSRS2007)	
			Longitude, deg	Latitude, deg
MW-14	133.70	56.00	-151.35376440	60.67001489
MW-27	124.30	57.00	-151.35037410	60.66459539
MW-39A	95.50	147.00	-151.35615710	60.65557926
MW-39B	95.30	40.00	-151.35613450	60.65560508
MW-50A	132.60	146.00	-151.35331470	60.67523060
MW-50B	132.20	55.50	-151.35336650	60.67526072
MW-62A	127.36	145.40	-151.36900760	60.67372740
MW-62B	127.63	47.00	-151.36896370	60.67373020
MW-74A	111.70	159.00	-151.36390300	60.66825110
MW-74B	111.53	81.00	-151.36390170	60.66822290
MW-77A	116.31	146.00	-151.37507200	60.66655740
MW-77B	116.25	61.00	-151.37506340	60.66654210
MW-80	130.99	61.70	-151.35796510	60.66660890
MW-82A	118.58	150.00	-151.34354410	60.66651740
MW-82B	119.22	52.00	-151.34358260	60.66654600
MW-86A	124.44	146.00	-151.36452040	60.66301340
MW-86B	124.48	42.00	-151.36451240	60.66299700
MW-87	106.91	52.50	-151.35826080	60.66293920
MW-91A	117.27	146.00	-151.36859480	60.66133530
MW-91B	117.31	64.00	-151.36858380	60.66131500
MW-98A	122.17	116.00	-151.36000880	60.65949110
MW-98B	122.26	43.00	-151.36003290	60.65952300
MW-112AA	115.55	119.00	-151.35844950	60.65126000
MW-112B	115.76	61.00	-151.35847780	60.65124200
MW-138A	103.22	146.80	-151.34969540	60.65926680
MW-138B	103.33	43.30	-151.34973370	60.65927620
APT-1	117.09	138.00	-151.34706092	60.66315390
APT-2	126.99	137.00	-151.34195457	60.66107404
APT-3	115.83	437.00	-151.34698760	60.66312928
OW-1	109.56	79.00	-151.34463703	60.66385170
OW-2	109.09	150.00	-151.34460741	60.66382579
OW-3	128.26	70.00	-151.34191656	60.66235654
OW-4	128.29	137.00	-151.34194479	60.66238108
MW-86BA	124.73	66.00	-151.36456512	60.66299257

Hand Augers	As-Built Elevation (NAVD88, ft)	Depth, ft	As-Built Coordinates (NAD83 - NSRS2007)	
			Longitude, deg	Latitude, deg
HA-11	104.53	2.8	-151.3582393	60.65512561
HA-12	93.98	4.3	-151.3582455	60.65560946
HA-13	97.62	2.3	-151.3582056	60.65592101
HA-14	121.19	1.6	-151.3578491	60.65868729
HA-15	121.09	3.2	-151.3578434	60.65898341
HA-17	116.12	2.5	-151.3582332	60.66167632
HA-18	108.69	5.5	-151.3581713	60.66230348
HA-19	106.92	6.9	-151.3581512	60.66313564
HA-20	119.04	2.6	-151.3581436	60.66416493
HA-21	123.32	2.8	-151.3581355	60.66451619
HA-22	130.06	2.8	-151.3580616	60.66606764
HA-100	97.71	4.3	-151.3560797	60.65762929
HA-101	88.78	2.0	-151.3518266	60.65757639
HA-102	104.23	4.0	-151.3632097	60.6611113
HA-103	117.69	3.0	-151.3668833	60.66134432
HA-104	124.01	3.8	-151.3587445	60.6649634
HA-105	124.7	2.2	-151.3509738	60.66444029
HA-106	118.92	1.8	-151.3647449	60.66838243
HA-107	118.88	3.7	-151.3631376	60.66840602
HA-108	123.01	1.5	-151.3579906	60.65936729
HA-109	111.12	1.5	-151.3543773	60.65935399
HA-110	100.45	4.0	-151.3500841	60.65926121
HA-111	102.15	2.0	-151.3494033	60.65927181
HA-112	106.13	2.0	-151.3602101	60.662931
HA-113	125.64	2.4	-151.3486347	60.66288061
HA-114	105.52	2.7	-151.365746	60.65950795
HA-115	121.16	3.3	-151.371427	60.6650298
HA-116	109.59	5.0	-151.350813	60.65354365
HA-117	90.06	3.0	-151.3507027	60.65758828
HA-118	94.46	2.0	-151.3507445	60.65811632
HA-119	123.19	2.0	-151.350797	60.66501537

Test Pits	As-Built Elevation (NAVD88, ft)	Depth, ft	As-Built Coordinates (NAD83 - NSRS2007)	
			Longitude, deg	Latitude, deg
TP-01	127.2	8	-151.36890605	60.67382958
TP-02	133.08	8	-151.35371804	60.67405024
TP-03	134.43	5	-151.35223907	60.67264108
TP-04	134.56	8	-151.34703124	60.67029871
TP-05	111.72	8	-151.36376102	60.66825015
TP-06	122.7	8	-151.36376305	60.66658642
TP-07	130.61	8	-151.35798402	60.66653967
TP-08	127.05	8	-151.36120253	60.66502775
TP-09	123.74	8	-151.35036700	60.66453403
TP-10	124.36	8	-151.36432332	60.66300351
TP-11	117.18	8	-151.36840024	60.66138217
TP-12	122.53	8	-151.35995040	60.65957943
TP-13	97.98	8	-151.35843823	60.65650048
TP-14	97.02	11	-151.35507881	60.65339243

Notes:
1. Base imagery provided by EXP Geomatics (EXP).
2. Onshore LNG Facilities Study Area provided by AKLNG.
3. Onshore Facilities plot plan is provided by CB&I/CHIYODA on drawings USAL-CB-LDLAY-00-000003-000 Rev.6 dated June 30, 2016.
4. As-built coordinates of exploration locations provided by JOA Surveying Services, Inc. (2014) and McLane Consulting, Inc. (2015, 2016).
5. Groundwater monitoring well MW-86B was abandoned during 2016 G&G program and replaced by MW-86BA (See text for detailes).



GEODETIC INFORMATION

PROJECTION:	Transverse_Mercator
FALSE EASTING:	1640416.666666666
FALSE NORTHING:	0.0
CENTRAL MERIDIAN:	-150.0
SCALE FACTOR:	0.9999
LATITUDE OF ORIGIN:	54.0
LINEAR UNIT:	US Foot
SPHEROID:	GRS 1980
SEMI-MAJOR AXIS:	6,378,137.000
SEMI-MINOR AXIS:	6,356,752.314140356
INVERSE FLATTENING:	298.257222101

N W E S
Coordinate Grid: NAD 1983 (NSRS 2007), Degrees Minutes Seconds

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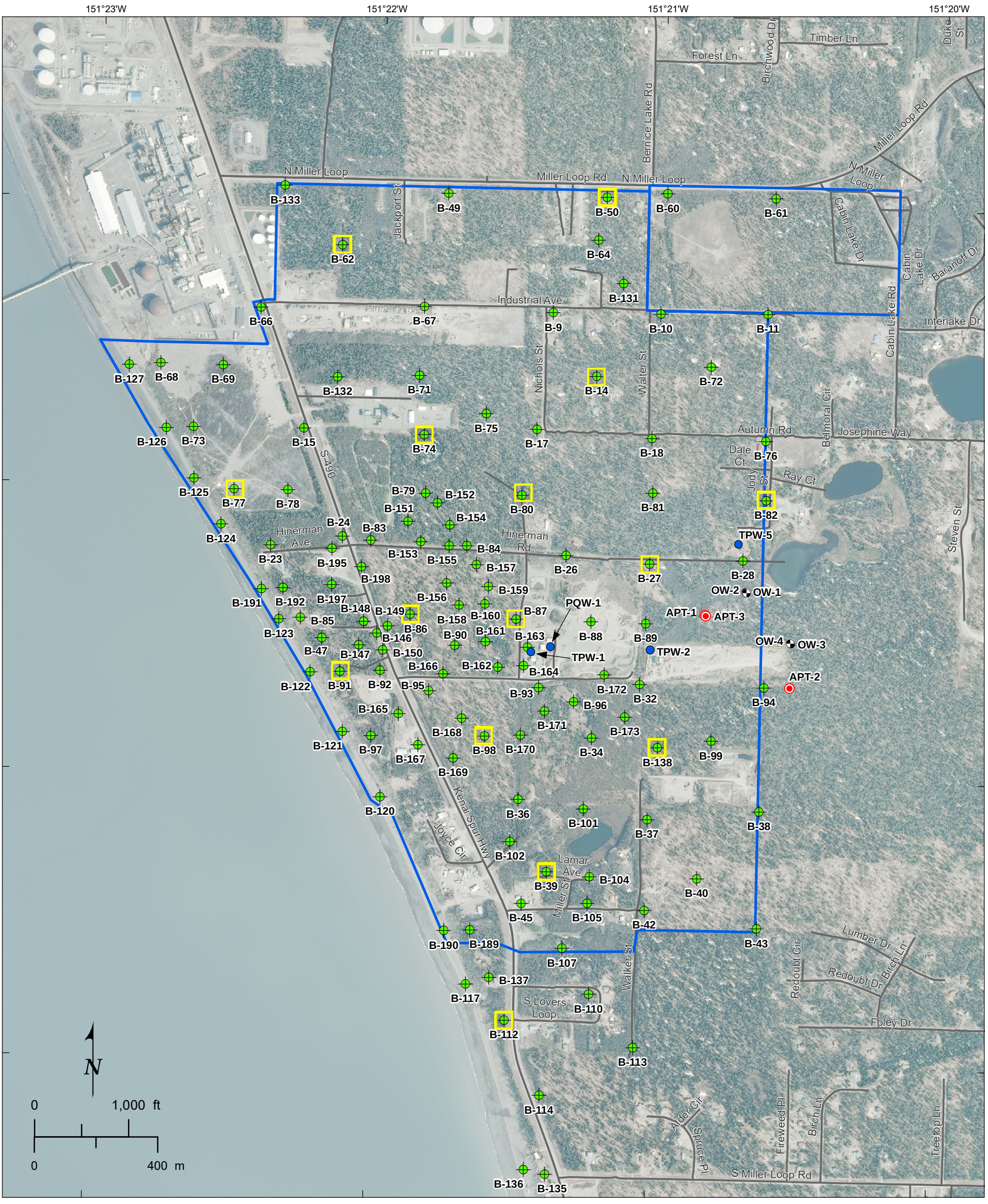
Alaska LNG

PLANT LAYOUT
ONSHORE LNG FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

REV NO:	DATE:	DESCRIPTION:	DRAWN:	CHKD:	APPR:
0	11/10/2016	Onshore LNG Facilities Plan of Exploration	KIMK	BB	

JOB NUMBER: 04.10160001-3 DRAWING NO: PLATE 3



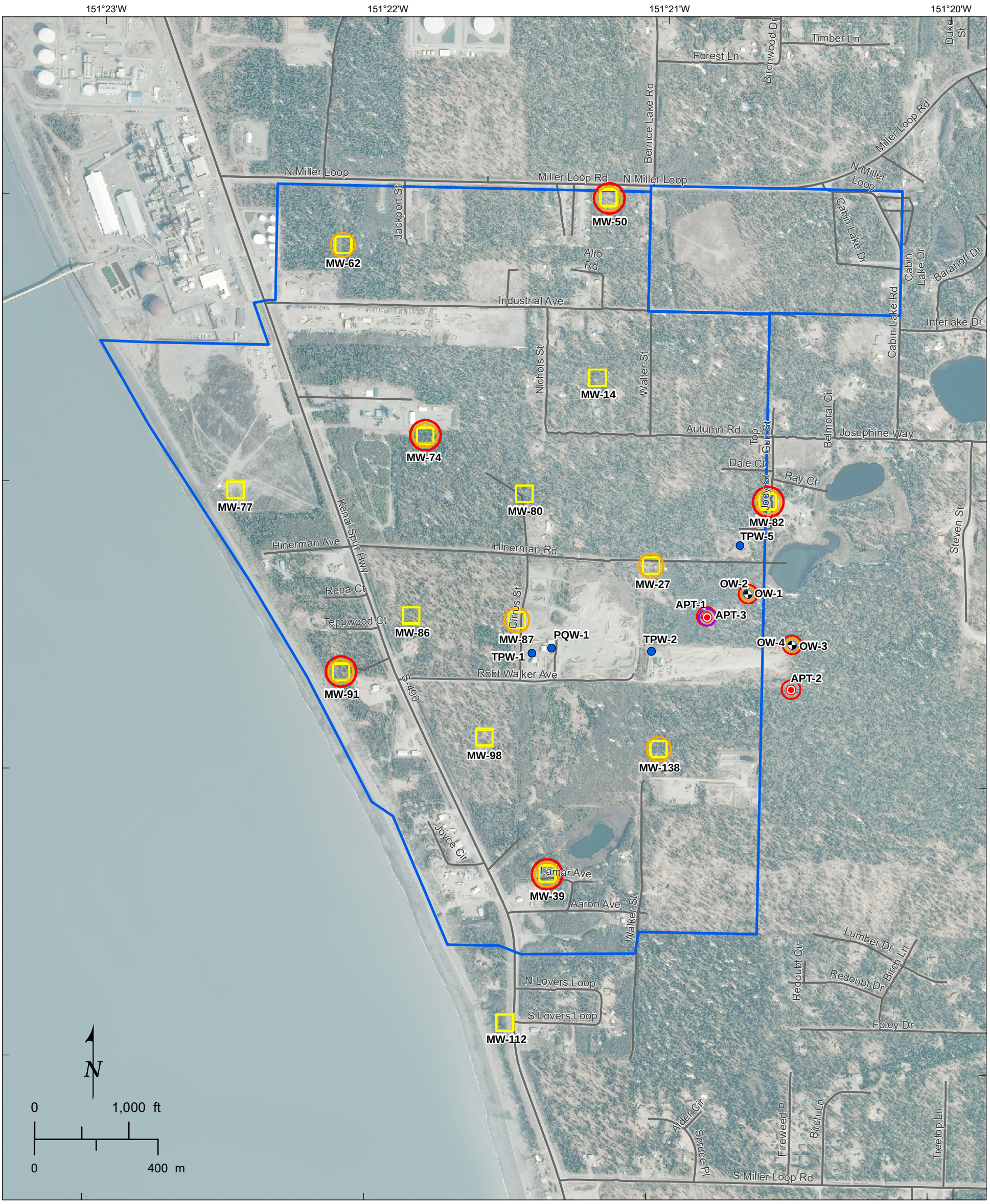
LEGEND

- Onshore borings (Completed)
- Well Locations
- Onshore LNG Facilities Study Area
- APT Well
- Observation Well Pair
- Third Party Well

INVESTIGATION PLAN
ONSHORE LNG FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 4

P:\Projects\10_0000\10_160001_AKLNG_2016\05_Graphics\04.10160001_Event_2\Plate_04_InvestigationPlan.mxd, m.ticci, 11/11/2016



LEGEND

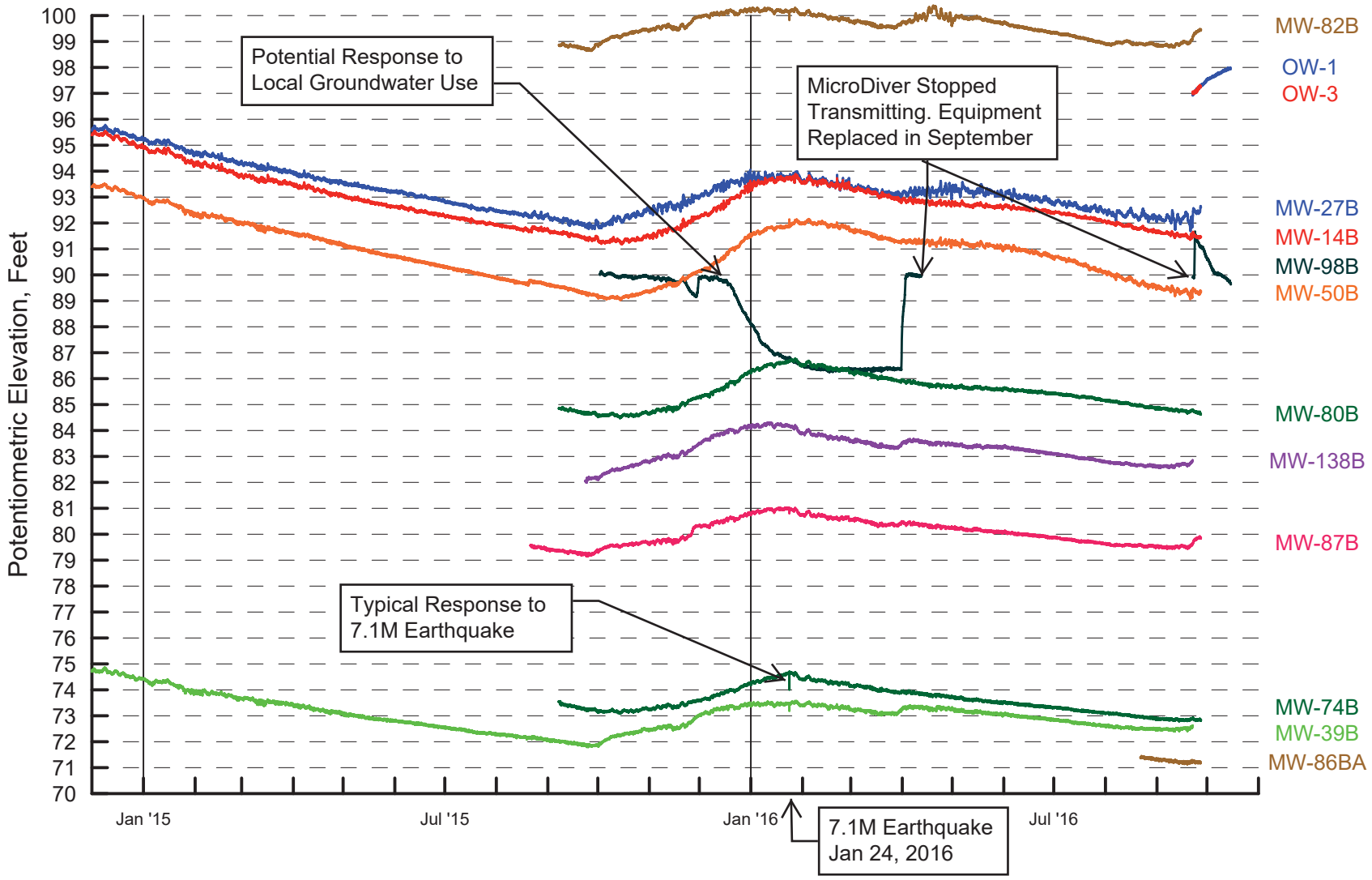
- Monitoring Well Locations
- Onshore LNG Facilities Study Area
- APT Well
- Observation Well Pair
- Third Party Well
- Water Bearing Unit 1 Well
- Water Bearing Unit 2 Well
- Water Bearing Unit 3 Well

WATER QUALITY WELL SAMPLING LOCATIONS - EVENT 2

ONSHORE LNG FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 5

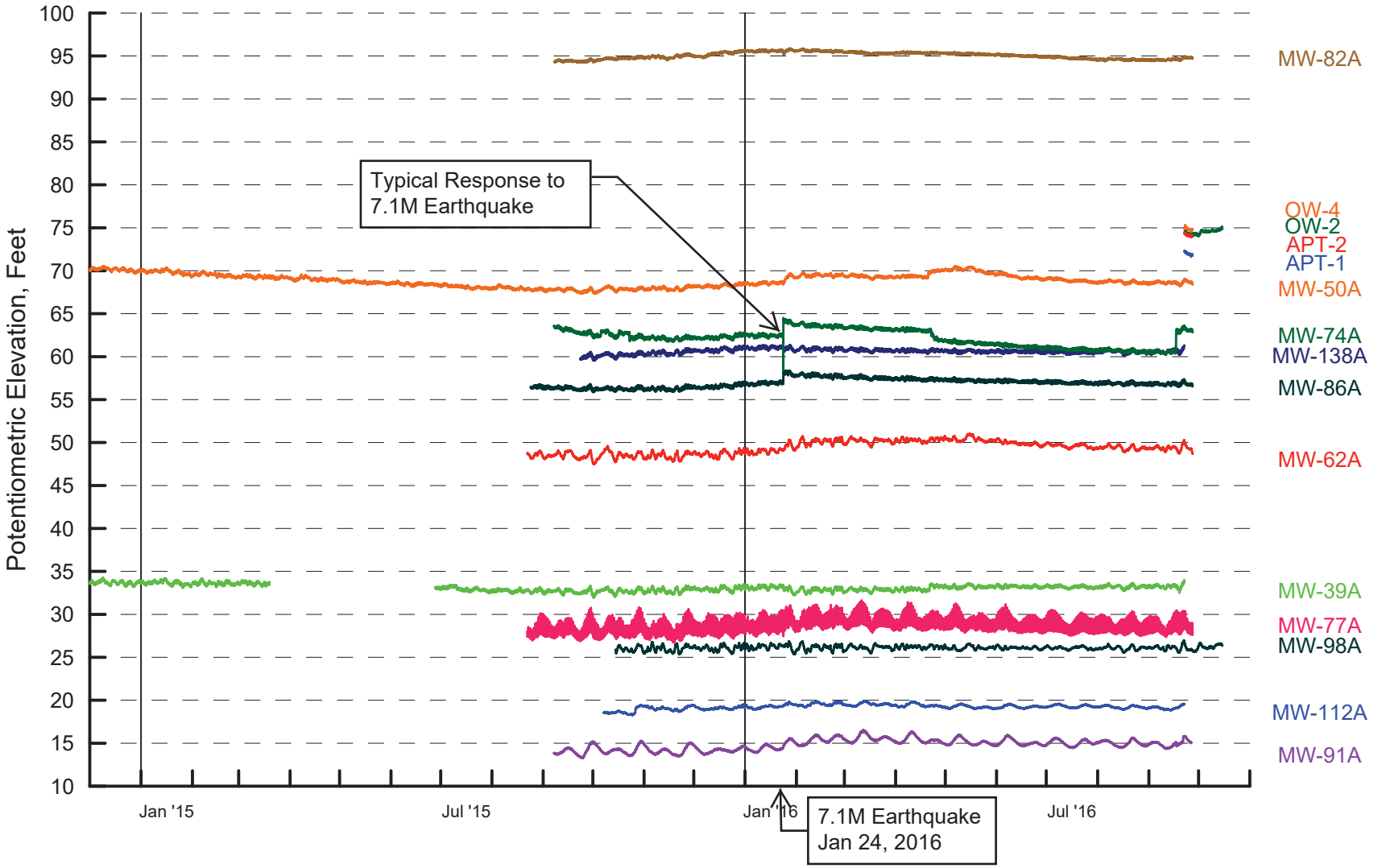
P:\Projects\10_0000\10_160001_AKLNG_2016\05_Graphics\04.10160001_Event_2\Plate_05_WaterQualityWells.mxd, m.ticci, 12/12/2016



Elevation in Feet, NAVD88

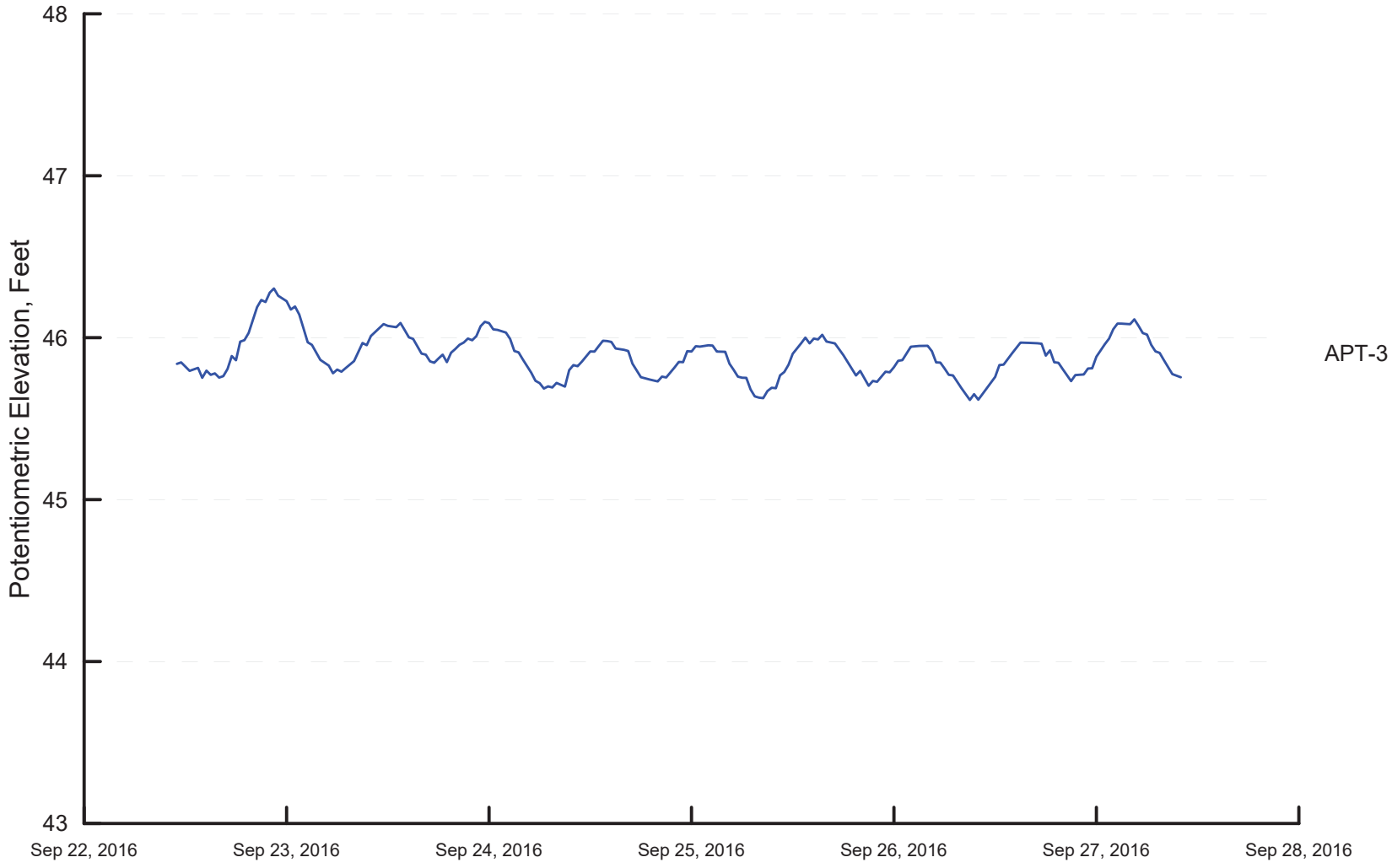
GROUNDWATER SURFACE - WATER BEARING UNIT 1
ONSHORE LNG FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 6



POTENTIOMETRIC SURFACE - WATER BEARING UNIT 2
ONSHORE LNG FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

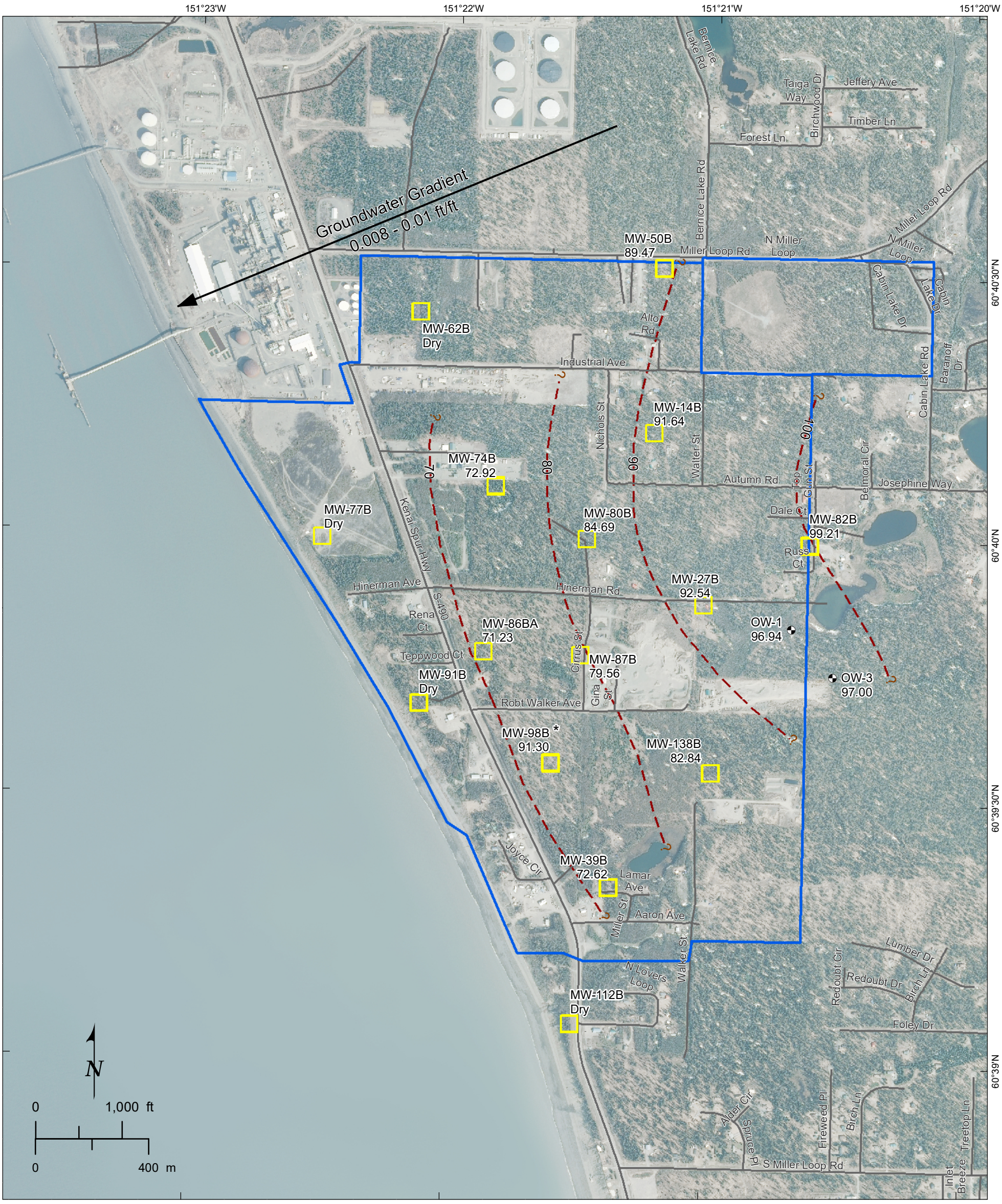
PLATE 7



Elevation in Feet, NAVD88

POTENTIOMETRIC SURFACE - WATER BEARING UNIT 3
ONSHORE LNG FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 8



LEGEND

MW-39B 72.64 — Well Locations (labeled with well ID and groundwater elevation, NAVD88, feet, measured September 2016) (* omitted from contouring)

OW-1 96.94 — Observation Well

80 — Water Bearing Unit 1 Contour Elevations

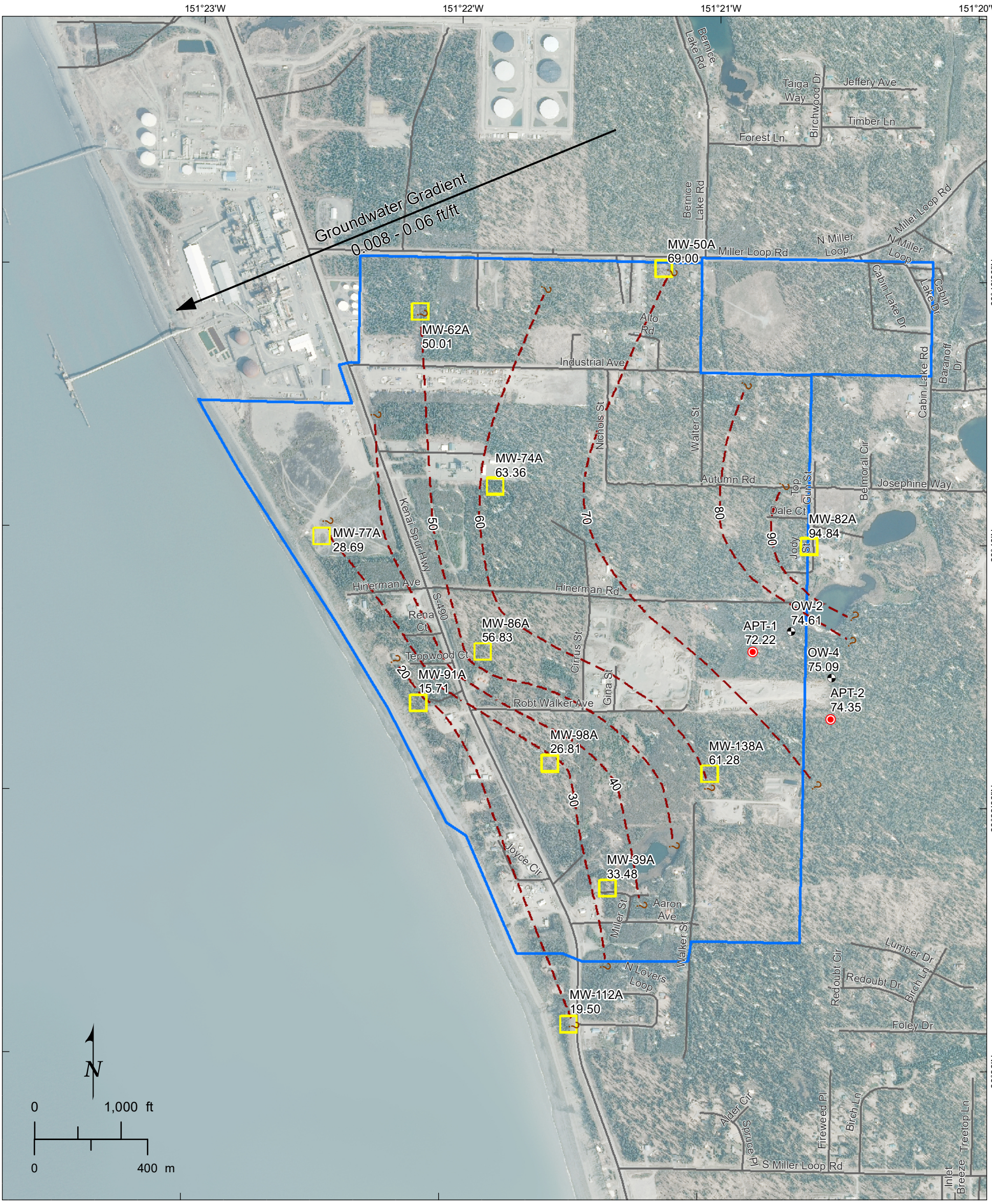
Onshore LNG Facilities Study Area

Groundwater Flow Direction and Gradient

WATER BEARING UNIT 1
GROUNDWATER ELEVATIONS AND GRADIENT
ONSHORE LNG FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 9

P:\Projects\10_0000\10_160001_AKLNG_2016\05_Graphics\04.10160001_Event_2\Plate_09_WaterBearing_U1_Sept.mxd, m.ticci, 11/11/2016



LEGEND

- MW-39A 33.48 — Well Locations (labeled with well ID and groundwater elevation, NAVD88, feet, measured September 2016)
- APT-1 72.22 — APT Well
- OW-2 74.61 — Observation Well Pair
- 80 — Water Bearing Unit 2 Contour Elevations
- Onshore LNG Facilities Study Area
- Groundwater Flow Direction and Gradient

WATER BEARING UNIT 2
POTENTIOMETRIC SURFACE AND GRADIENT

ONSHORE LNG FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 10

P:\Projects\10_0000\10_160001_AKLNG_2016\05_Graphics\04.10160001_Event_2\Plate_10_WaterBearing_U2_Sept.mxd, m.ticci, 11/11/2016

151°23'W 151°22'W 151°21'W 151°20'W

60°40'30"N 60°40'N 60°39'30"N 60°39'N

MW-50B	
Date	Concentration (mg/L)
4/20/16	0.00106
9/18/16	0.000713

MW-74B	
Date	Concentration (mg/L)
4/21/16	0.00154
9/17/16	0.00118

MW-87B	
Date	Concentration (mg/L)
4/19/16	0.00139
9/18/16	0.00222

MW-39B	
Date	Concentration (mg/L)
4/21/16	0.00206
9/19/16	0.00166

MW-82B	
Date	Concentration (mg/L)
4/20/16	0.000786
9/16/16	0.00127

MW-27B	
Date	Concentration (mg/L)
4/19/16	0.00252
9/16/16	0.00201

OW-3	
Date	Concentration (mg/L)
8/10/16	0.00381
9/22/16	0.00336

OW-1	
Date	Concentration (mg/L)
8/10/16	0.00683
9/22/16	0.00131

MW-138B	
Date	Concentration (mg/L)
9/21/16	0.00222

MW-50 MW-62 MW-74 MW-14 MW-77 MW-80 MW-82 MW-27 TPW-5 OW-2 OW-1 APT-1 APT-3 MW-86 MW-87 PQW-1 TPW-1 TPW-2 OW-4 OW-3 APT-2 MW-91 MW-98 MW-138 MW-39 MW-112

N. Miller Loop Miller Loop Rd. Bernice Lake Rd. Timber Ln. Forest Ln. Jackport St. Industrial Ave Cabin Lake Rd Baranoff Dr. Interlake Dr. Nicholl St. Walter St. Autumn Rd. S-490 Hinerman Rd. Kenai Spur Hwy. Lamar Ave. Walker St. S. Lovers Loop Redoubt Dr. Foley Dr. Alder Cir. Spruce Pl. Fireweed Pl. Birch Ln. Treetop Ln. S. Miller Loop Rd.

COOK INLET

N

0 1,000 ft.

0 400 m

LEGEND

- Well Locations
- Onshore LNG Facilities Study Area
- APT Well
- Observation Well Pair
- Third Party Well

Sample Results Exceeds the ADEC Table C Groundwater Screening Criteria of 0.01 mg/L.

[0.0005] Indicates analyte not detected above laboratory limit of detection of 0.0005 mg/L.

Note: Non-bracketed numerical data indicate results above the laboratory detection limit.

TOTAL ARSENIC CONCENTRATIONS WATER BEARING UNIT 1

ONSHORE LNG FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 11

151°23'W 151°22'W 151°21'W 151°20'W

60°40'30"N 60°40'N 60°39'30"N 60°39'N

MW-50B	
Date	Concentration (mg/L)
4/20/16	[0.0005]
9/18/16	[0.003]

MW-74B	
Date	Concentration (mg/L)
4/21/16	[0.0005]
9/17/16	[0.003]

MW-87B	
Date	Concentration (mg/L)
4/19/16	[0.0005]
9/18/16	[0.003]

MW-39B	
Date	Concentration (mg/L)
4/21/16	[0.0005]
9/19/16	[0.003]

MW-82B	
Date	Concentration (mg/L)
4/20/16	[0.0005]
9/16/16	[0.003]

MW-27B	
Date	Concentration (mg/L)
4/19/16	[0.0005]
9/16/16	[0.003]

OW-3	
Date	Concentration (mg/L)
8/10/16	[0.0005]
9/22/16	[0.003]

OW-1	
Date	Concentration (mg/L)
8/10/16	0.00339
9/22/16	[0.003]

MW-138B	
Date	Concentration (mg/L)
9/21/16	[0.003]

N. Miller Loop
Miller Loop Rd.
Bernice Lake Rd.
Timber Ln.
Forest Ln.
Miller Loop Rd.
Jackport St.
Industrial Ave
Cabin Lake Rd
Baranoff Dr.
Interlake Dr.
Nichols St.
Walter St.
Autumn Rd.
S-490
Hinerman Rd.
Kenai Spur Hwy.
Lamar Ave.
Walker St.
S. Lovers Loop
Redoubt Dr.
Foley Dr.
Alder Cir.
Spruce Pl.
Fireweed Pl.
Birch Ln.
Treetop Ln.
S. Miller Loop Rd.
COOK INLET

MW-50 MW-62 MW-74 MW-14 MW-77 MW-80 MW-82 MW-27 TPW-5 OW-2 OW-1 APT-1 APT-3 MW-86 MW-87 PQW-1 TPW-1 TPW-2 OW-4 OW-3 APT-2 MW-91 MW-98 MW-138 MW-39 MW-112

N

0 1,000 ft.

0 400 m

LEGEND

- Well Locations
- Onshore LNG Facilities Study Area
- APT Well
- Observation Well Pair
- Third Party Well
- Sample Results Exceeds the ADEC Table C Groundwater Screening Criteria of 0.005 mg/L.
- [0.0005] Indicates analyte not detected above laboratory limit of detection of 0.0005 mg/L.
- Note: Non-bracketed numerical data indicate results above the laboratory detection limit.

TRICHLOROETHENE CONCENTRATIONS
WATER BEARING UNIT 1
ONSHORE LNG FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 12

151°23'W 151°22'W 151°21'W 151°20'W

60°40'30"N 60°40'N 60°39'30"N 60°39'N

MW-50B	
Date	pH
4/20/16	7.93
9/18/16	6.34

MW-74B	
Date	pH
4/22/16	7.05
9/17/16	6.18

MW-82B	
Date	pH
4/20/16	7.32
9/16/16	5.74

MW-27B	
Date	pH
4/19/16	7.08
9/16/16	5.98

OW-1	
Date	pH
8/10/16	5.45
9/22/16	6.19

OW-3	
Date	pH
8/10/16	6.09
9/22/16	6.13

MW-87B	
Date	pH
4/19/16	7.05
9/18/16	5.62

MW-138B	
Date	pH
09/20/16	4.82

MW-39B	
Date	pH
4/21/16	6.40
9/19/16	5.50

MW-50 MW-62 MW-74 MW-14 MW-82 MW-77 MW-80 MW-27 MW-86 MW-87 MW-91 MW-98 MW-138 MW-39 MW-112

TPW-5 OW-2 OW-1 APT-1 APT-3 PQW-1 TPW-1 TPW-2 OW-4 OW-3 APT-2

N. Miller Loop, Miller Loop Rd., Timber Ln., Forest Ln., Bernice Lake Rd., Jackport St., Industrial Ave, Nichols St., Walter St., Autumn Rd., Josephine Way, Belmont, Baranoff Dr., Cabin Lake Rd, S-490, Hinerman Rd., Hwy., Lamar Ave., S. Lovers Loop, Walker St., Redoubt Dr., Foley Dr., Alder Cir., Spruce Pl., Fireweed Pl., Birch Ln., Treetop Ln., S. Miller Loop Rd.

COOK INLET

N

0 1,000 ft.

0 400 m

LEGEND

- Well Locations
- Onshore LNG Facilities Study Area
- APT Well
- Observation Well Pair
- Third Party Well

PH VALUES
WATER BEARING UNIT 1
ONSHORE LNG FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 13

151°23'W 151°22'W 151°21'W 151°20'W

60°40'30"N 60°40'N 60°39'30"N 60°39'N

MW-62A	
Date	Concentration (mg/L)
4/23/16	**0.0169**
9/19/16	**0.0167**

MW-50A	
Date	Concentration (mg/L)
4/20/16	**0.023**
9/18/16	**0.0168**

MW-74A	
Date	Concentration (mg/L)
4/22/16	**0.0634**
9/17/16	**0.0474**

OW-2	
Date	Concentration (mg/L)
8/10/16	**0.0495**
9/22/16	**0.0237**

MW-82A	
Date	Concentration (mg/L)
4/20/16	0.0077
9/16/16	0.00883

OW-4	
Date	Concentration (mg/L)
8/10/16	**0.131**
9/22/16	**0.0323**

MW-91A	
Date	Concentration (mg/L)
4/21/16	0.00873
9/22/16	0.00889

APT-2	
Date	Concentration (mg/L)
9/21/16	**0.0206**

APT-1	
Date	Concentration (mg/L)
09/20/16	**0.0197**

MW-39A	
Date	Concentration (mg/L)
4/21/16	**0.0283**
9/19/16	**0.0269**

MW-62 MW-50 MW-74 MW-14 MW-82 MW-77 MW-80 MW-27 MW-86 MW-87 MW-91 MW-98 MW-138 MW-39 MW-112

TPW-5 TPW-1 TPW-2 PQW-1

OW-2 OW-1 OW-4 OW-3

APT-1 APT-3 APT-2

N. Miller Loop Miller Loop Rd. Timber Ln. Forest Ln. Bernice Lake Rd. Miller Loop Rd. Jackport St. Industrial Ave Nichols St. Walter St. Autumn Rd. S-490 Hinerman Ave. Hinerman Rd. Kenai Spur Hwy. Lamar Ave. Walker St. S. Lovers Loop Redoubt Dr. Foley Dr. Alder Cir. Spruce Pl. Fireweed Pl. Birch Ln. Treetop Ln. S. Miller Loop Rd.

COOK INLET

N

0 1,000 ft.

0 400 m

LEGEND

- Well Locations
- Onshore LNG Facilities Study Area
- APT Well
- Observation Well Pair
- Third Party Well

Sample Results Exceeds the ADEC Table C Groundwater Screening Criteria of 0.01 mg/L.

[0.0005] Indicates analyte not detected above laboratory limit of detection of 0.0005 mg/L.

Note: Non-bracketed numerical data indicate results above the laboratory detection limit.

TOTAL ARSENIC CONCENTRATIONS WATER BEARING UNIT 2

ONSHORE LNG FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 14

151°23'W 151°22'W 151°21'W 151°20'W

60°40'30"N 60°40'N 60°39'30"N 60°39'N

MW-62A	
Date	Concentration (mg/L)
4/23/16	[0.0005]
9/19/16	[0.003]

MW-50A	
Date	Concentration (mg/L)
4/20/16	[0.0005]
9/18/16	[0.003]

MW-74A	
Date	Concentration (mg/L)
4/22/16	[0.0005]
9/17/16	[0.003]

MW-91A	
Date	Concentration (mg/L)
4/21/16	[0.0005]
9/22/16	[0.003]

OW-2	
Date	Concentration (mg/L)
8/10/16	0.00047
9/22/16	[0.003]

MW-82A	
Date	Concentration (mg/L)
4/20/16	[0.0005]
9/16/16	[0.003]

OW-4	
Date	Concentration (mg/L)
8/10/16	**0.0131**
9/22/16	**0.057**

APT-2	
Date	Concentration (mg/L)
9/21/16	[0.003]

APT-1	
Date	Concentration (mg/L)
09/20/16	**0.039**

MW-39A	
Date	Concentration (mg/L)
4/21/16	[0.0005]
9/19/16	[0.003]

MW-62 MW-50 MW-74 MW-14 MW-82 MW-77 MW-80 MW-27 MW-86 MW-87 MW-91 MW-98 MW-138 MW-39 MW-112

TPW-5 OW-2 OW-1 APT-1 APT-3 PQW-1 TPW-1 TPW-2 OW-4 OW-3 APT-2

N. Miller Loop Miller Loop Rd. Bernice Lake Rd. Timber Ln. Forest Ln. Jackport St. Industrial Ave Nichols St. Walter St. Autumn Rd. S-490 Hinerman Ave. Hinerman Rd. Kenai Spur Hwy. Lamar Ave. S. Lovers Loop Walker St. Alder Cir. Spruce Pl. Fireweed Pl. Birch Ln. Redoubt Dr. Foley Dr. Treetop Ln. S. Miller Loop Rd.

COOK INLET

N

0 1,000 ft.

0 400 m

LEGEND

- Well Locations
- Onshore LNG Facilities Study Area
- APT Well
- Observation Well Pair
- Third Party Well

Sample Results Exceeds the ADEC Table C Groundwater Screening Criteria of 0.005 mg/L.

[0.0005] Indicates analyte not detected above laboratory limit of detection of 0.0005 mg/L.

Note: Non-bracketed numerical data indicate results above the laboratory detection limit.

TRICHLOROETHENE CONCENTRATIONS
WATER BEARING UNIT 2

ONSHORE LNG FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 15

151°23'W 151°22'W 151°21'W 151°20'W

60°40'30"N 60°40'N 60°39'30"N 60°39'N

MW-62A	
Date	pH
4/23/16	8.76
9/19/16	8.17

MW-50A	
Date	pH
4/20/16	9.99
9/18/16	8.24

MW-74A	
Date	pH
4/22/16	8.72
9/17/16	8.67

OW-2	
Date	pH
8/10/16	7.80
9/22/16	8.51

MW-82A	
Date	pH
4/20/16	9.38
9/16/16	8.19

OW-4	
Date	pH
8/10/16	7.99
9/22/16	8.00

MW-91A	
Date	pH
4/21/16	8.37
9/22/16	7.08

APT-2	
Date	pH
9/21/16	8.04

APT-1	
Date	pH
09/20/16	8.16

MW-39A	
Date	pH
4/21/16	9.02
9/19/16	8.65

MW-62 MW-50 MW-74 MW-14 MW-82 MW-77 MW-80 MW-27 MW-86 MW-87 MW-91 MW-98 MW-138 MW-39 MW-112

TPW-1 TPW-2 TPW-5 PQW-1

OW-1 OW-2 OW-3 OW-4

APT-1 APT-2 APT-3

N. Miller Loop Miller Loop Rd. Jackport St. Bernice Lake Rd. Timber Ln. Forest Ln. Miller Loop Rd. Industrial Ave Nichols St. Walter St. Autumn Rd. S-490 Hinerman Ave. Hinerman Rd. Kenai Spur Hwy. Lamar Ave. Lumber Dr. Redoubt Dr. Foley Dr. S. Lovers Loop Walker St. Alder Cir. Spruce Pl. Fireweed Pl. Birch Ln. Treetop Ln. S. Miller Loop Rd.

COOK INLET

N

0 1,000 ft.

0 400 m

LEGEND

- Well Locations
- Onshore LNG Facilities Study Area
- APT Well
- Observation Well Pair
- Third Party Well

PH VALUES
WATER BEARING UNIT 2
ONSHORE LNG FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 16

151°23'W 151°22'W 151°21'W 151°20'W

60°40'30"N 60°40'N 60°39'30"N 60°39'N

N. Miller Loop
Miller Loop Rd.
Bernice Lake Rd.
Timber Ln.
Forest Ln.
Miller Loop Rd.
Jackport St.
Industrial Ave
Cabin Lake Rd
Baranoff Dr.
Interlake Dr.
Nichols St.
Walter St.
Belmoral Cir.
Autumn Rd.
Josephine Way
Steven St.
S-490
Hinerman Ave.
Hinerman Rd.
Kenai Spur Hwy.
Lamar Ave.
S. Lovers Loop
Walker St.
Lumber Dr.
Redoubt Dr.
Foley Dr.
Alder Cir.
Spruce Pl.
Fireweed Pl.
Birch Ln.
Treetop Ln.
S. Miller Loop Rd.

COOK INLET

MW-14
MW-74
MW-77
MW-80
MW-82
MW-27
MW-86
MW-87
MW-91
MW-98
MW-138
MW-39
MW-112
MW-62
MW-50
TPW-5
TPW-1
TPW-2
PQW-1
OW-1
OW-2
OW-3
OW-4
APT-1
APT-2
APT-3

APT-3	
Date	Concentration (mg/L)
9/20/16	**0.0798**

N

0 1,000 ft.

0 400 m

LEGEND

- Well Locations
- Onshore LNG Facilities Study Area
- APT Well
- Observation Well Pair
- Third Party Well

Sample Results Exceeds the ADEC Table C Groundwater Screening Criteria of 0.01 mg/L.

[0.0005] Indicates analyte not detected above laboratory limit of detection of 0.0005 mg/L.

Note: Non-bracketed numerical data indicate results above the laboratory detection limit.

TOTAL ARSENIC CONCENTRATIONS
WATER BEARING UNIT 3
ONSHORE LNG FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 17

151°23'W 151°22'W 151°21'W 151°20'W

60°40'30"N 60°40'N 60°39'30"N 60°39'N

N. Miller Loop
Miller Loop Rd.
Bernice Lake Rd.
Timber Ln.
Forest Ln.
Miller Loop Rd.
Jackport St.
Cabin Lake Rd
Baranoff Dr.
Interlake Dr.
Industrial Ave
Nichols St.
Walter St.
Belmoral Cir.
Autumn Rd.
Josephine Way
Steven St.
S-490
Hinerman Ave.
Hinerman Rd.
Kenai Spur Hwy.
Lamar Ave.
S. Lovers Loop
Walker St.
Lumber Dr.
Redoubt Dr.
Foley Dr.
Alder Cir.
Spruce Pl.
Fireweed Pl.
Birch Ln.
Treetop Ln.
S. Miller Loop Rd.

COOK INLET

MW-50
MW-62
MW-14
MW-74
MW-77
MW-80
MW-82
MW-27
TPW-5
OW-2
OW-1
APT-1
APT-3
MW-86
MW-87
PQW-1
TPW-1
TPW-2
OW-4
OW-3
APT-2
MW-91
MW-98
MW-138
MW-39
MW-112

APT-3	
Date	Concentration (mg/L)
9/20/16	**0.015**

N

0 1,000 ft.

0 400 m

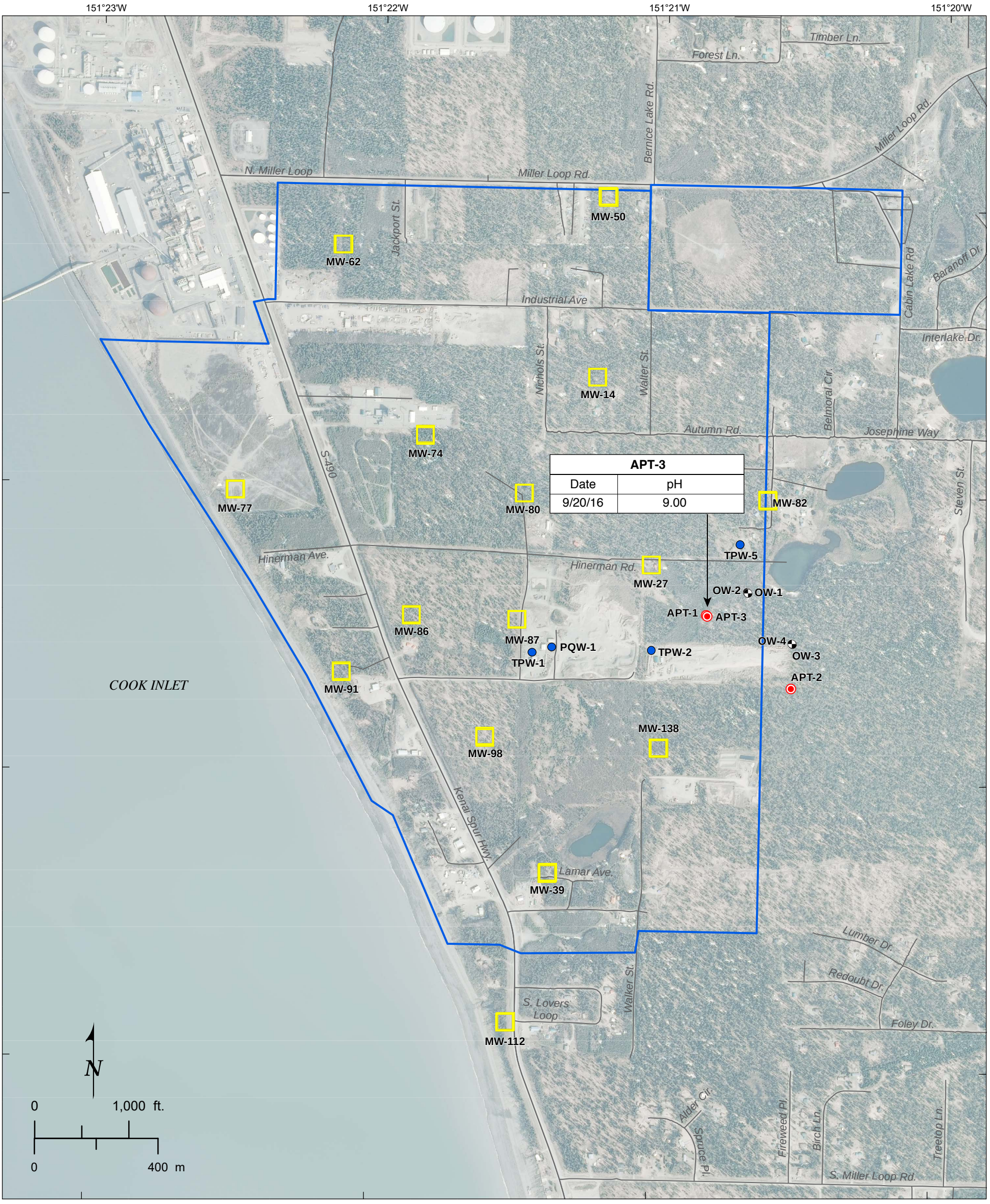
LEGEND

- Well Locations
- Onshore LNG Facilities Study Area
- APT Well
- Observation Well Pair
- Third Party Well
- Sample Results Exceeds the ADEC Table C Groundwater Screening Criteria of 0.005 mg/L
- [0.0005] Indicates analyte not detected above laboratory limit of detection of 0.0005 mg/L.

Note: Non-bracketed numerical data indicate results above the laboratory detection limit.

TRICHLOROETHENE CONCENTRATIONS
WATER BEARING UNIT 3
ONSHORE LNG FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 18

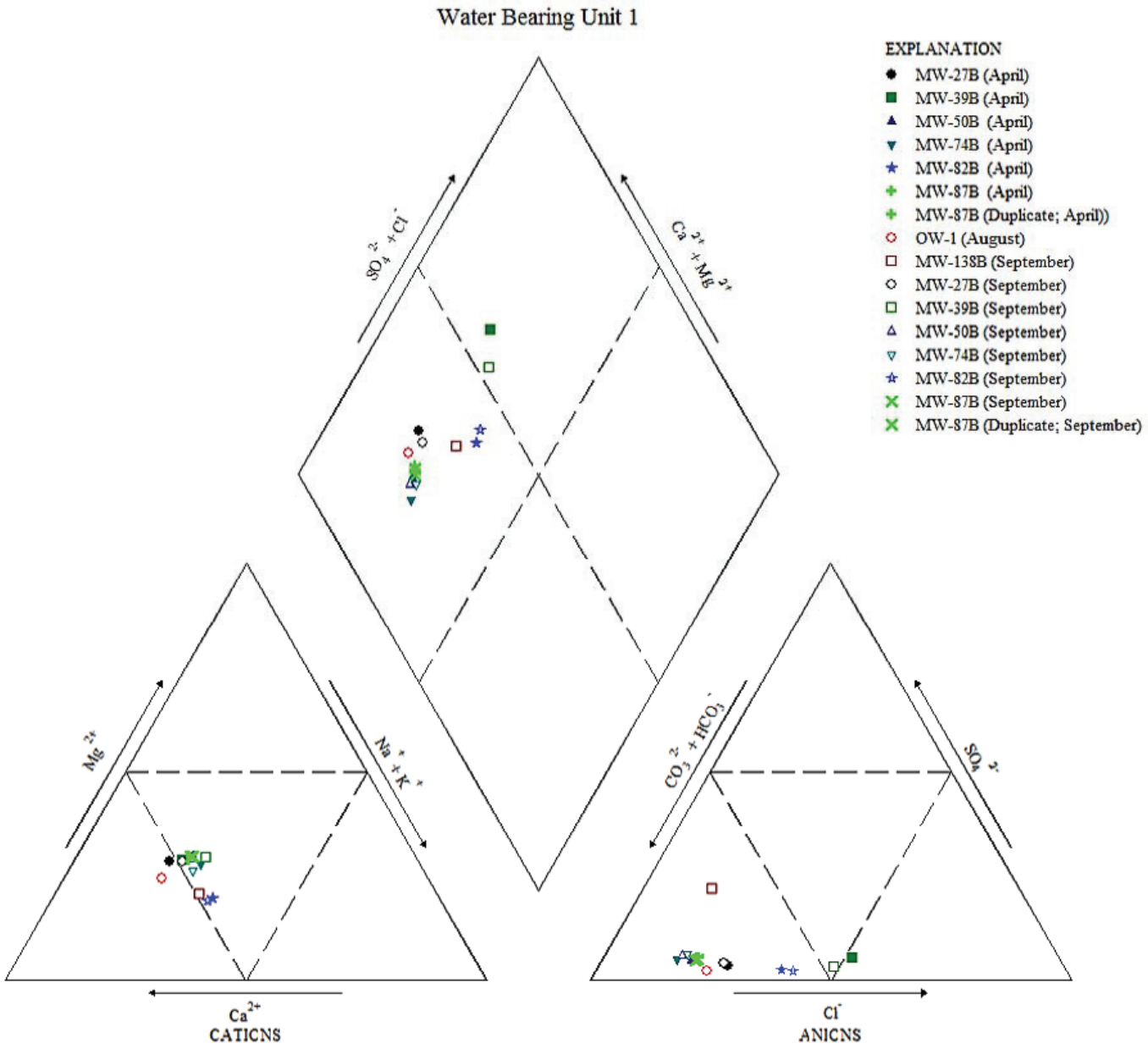


LEGEND

- Well Locations
- Onshore LNG Facilities Study Area
- APT Well
- Observation Well Pair
- Third Party Well

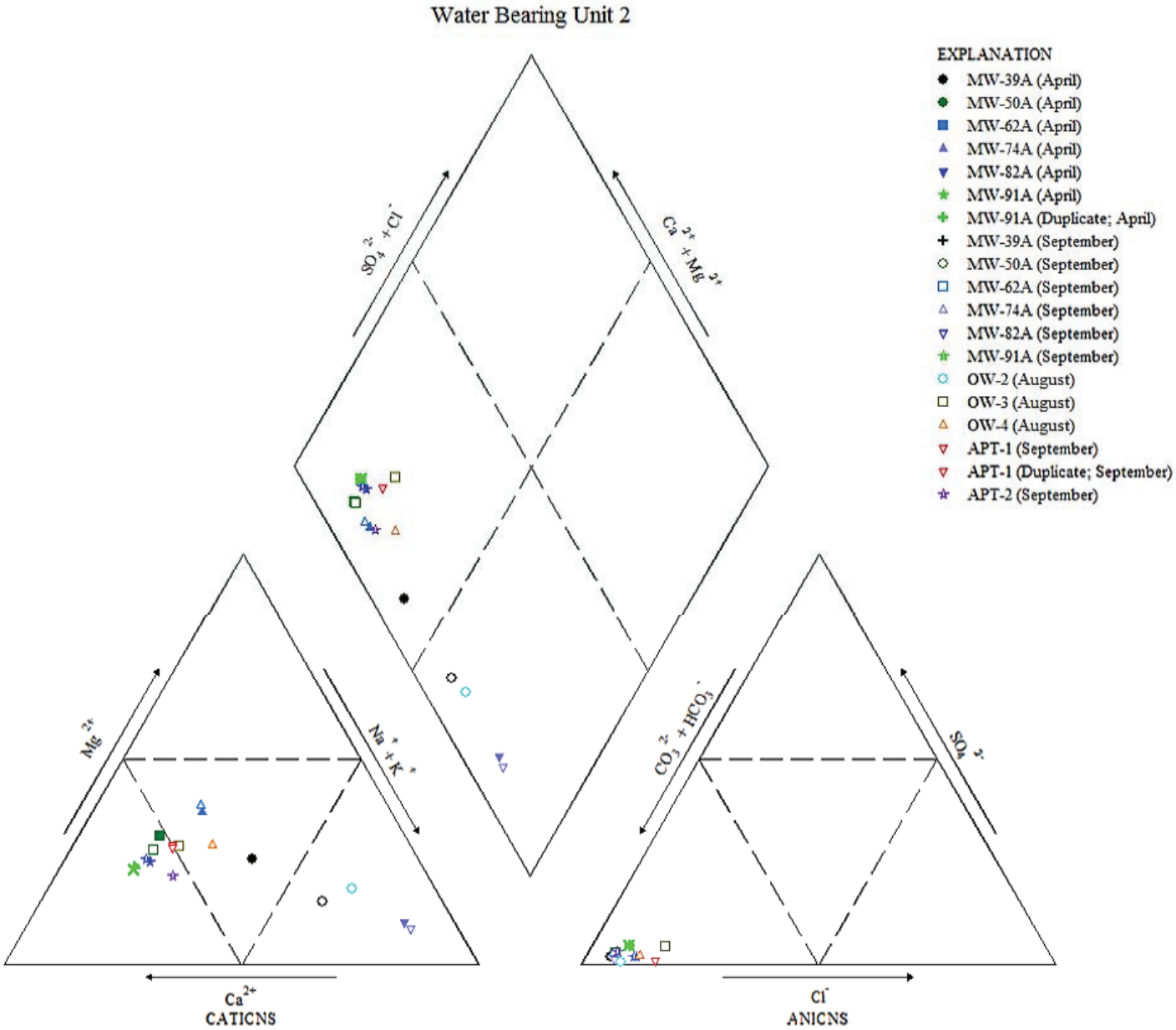
PH VALUES
WATER BEARING UNIT 3
ONSHORE LNG FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 19



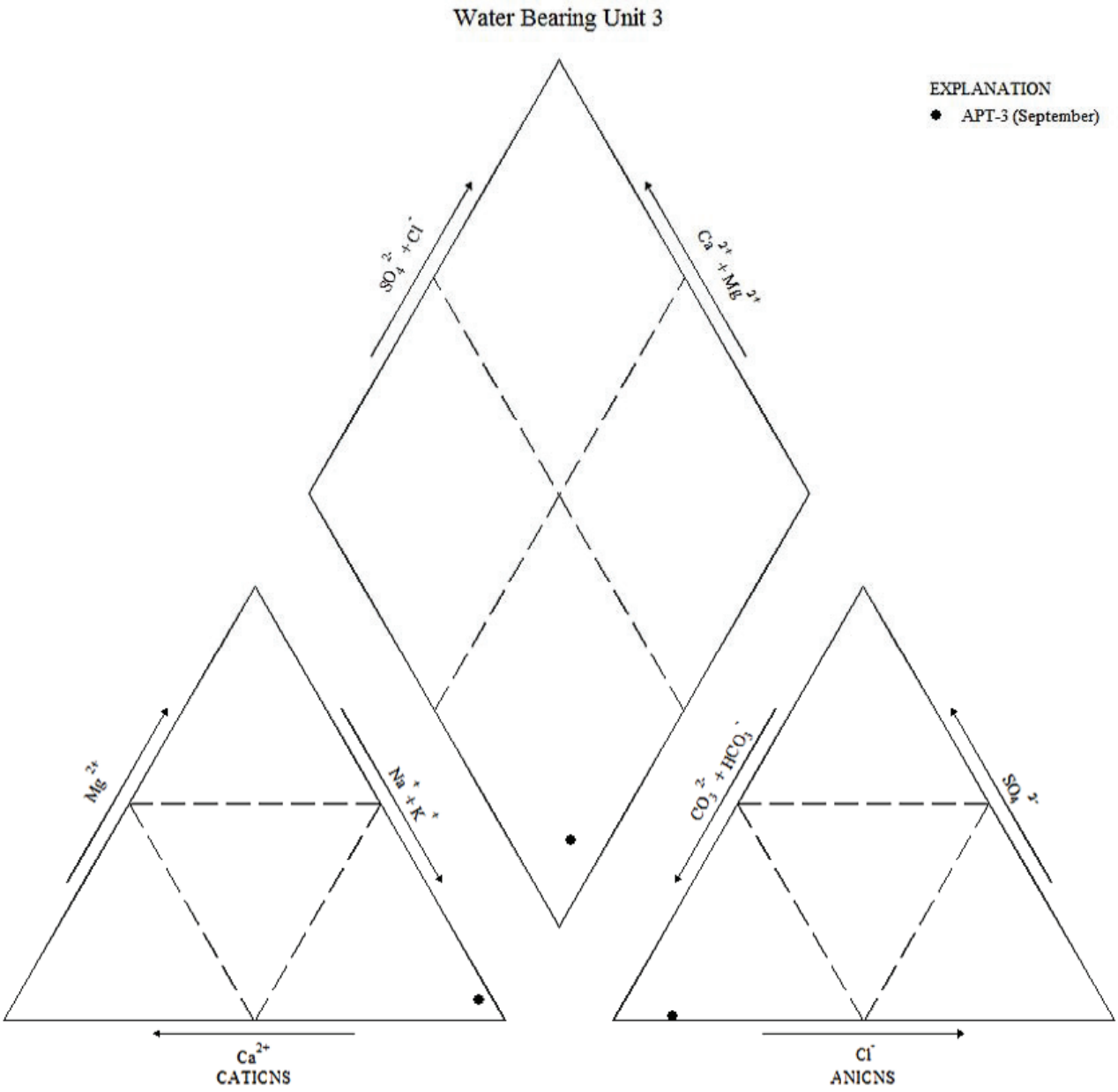
WATER QUALITY PIPER DIAGRAM – WATER BEARING UNIT 1
ONSHORE FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 20



WATER QUALITY PIPER DIAGRAM – WATER BEARING UNIT 2
ONSHORE FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 21



WATER QUALITY PIPER DIAGRAM – WATER BEARING UNIT 3
ONSHORE FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 22

APPENDIX A
WELL SAMPLING METHOD STATEMENT

METHOD STATEMENT		No: Hydro-01
		Page: 1 of 6
ALASKA LNG (AKLNG) Well Sampling		Issue: 1 Rev 1
		Date: April 2016

CONTENTS

Issue details:	Issue 1 Rev 1 April 23, 2016	
Distribution:	Controlled copies: Project Manager Contract File	Uncontrolled copies: Client
Originated from: **Jeriann Alexander, PE, REA**		Reviewed/authorized for issue by: Jeriann Alexander, PE, REA

A METHOD STATEMENT IS ONLY A SAFE METHOD OF WORKING IF IT IS DISCUSSED AND AGREED BEFORE WORK BEGINS AND THEN FOLLOWED BY THOSE CARRYING OUT THE WORK.

METHOD STATEMENT		No: Hydro-01	
		Page: 2 of 6	
ALASKA LNG (AKLNG) Well Sampling		Issue: 1	Rev 1
		Date: April 2016	

1. Introduction

This Method Statement relates to groundwater monitoring activities.

2. Main Activity / Area of Work

Existing monitoring wells and 3rd party wells located within the AKLNG property boundary including the area of staging located at the ASRC. Groundwater sampling activities will include:

- Mobilizing and demobilizing to the staging area and each individual well location
- Data logger water level data retrieval, and removal of data logger equipment
- Use of down-hole water level indicators and water quality parameter meters
- Use of down-hole low-flow electric pumps to purge the wells and for sampling
- Pump power provided by gasoline powered generators
- Shipping of samples to the analytical laboratory
- Relocation of purge water to the temporary drum storage area
- Replacement of data logger equipment
- Re-securing of the wells
- Transportation and disposal of well purge water at an approved facility

3. Manpower and Supervision

The table below lists the manpower involved with groundwater monitoring activities and their responsibilities.

Nominated Person	**Responsibility**
Lead Hydrogeologic Services Manager	• Overall responsibility for all site activities • Advise hydrogeologic staff on the requirement to comply with this method statement in order to enable the work to be carried out safely and obtain the required quality

Field Hydrogeologist/ Engineer/Site Manager	• Overall responsibility for groundwater monitoring activities • Conducts water level retrieval from data loggers • Ensures subcontractors follow standard operating procedures and project requirements for site access and monitoring activities • Communications with the Lead Hydrogeologic Services Manager during the monitoring activities
SLR Lead Scientists and Scientists	• Conducts water level monitoring and sampling activities in accordance with project requirements • Facilitates water sample delivery to the laboratory • Secures wells after sampling • Relocates purge and sampling water to labelled, approved containers staged at a temporary storage area

4. Associated Documents (Drawings, Manuals, Method Statements, Plans, Permits)

The table below lists the other documents relevant to the groundwater sampling activities.

Document	**Reference Number**
Alaska LNG Project Execution Plan	Latest Issue
Alaska Emergency Response Plan	Latest Issue
Project Contact List	Latest Issue
Water Quality Monitoring Field and Data Collection Procedures	Latest Issue
Routing Maps	Latest Issue
Groundwater Sampling Form	Latest Issue
Meter Calibration Logs	Latest Issue

5. Risk Assessments

Risk assessment and Field Standard Operating Procedures for data collection activities are listed in the following table and are held on site enclosed in the Project Execution Plan.

Risk Assessment	**HYD-TRA-001 Water Quality Testing, ON-GN-TRA-303 Thunder-Lightning Storms, ON-GN-TRA-311 Material Handling and Moving, ON-GN-TRA-349 Driving Off-Road**
SOP	**Water Quality Monitoring, Field Sample and Data Collection Procedures**

6. Security - Barriers/Fences/Warning Signs

Access to the well locations will be restricted to Fugro employees, Client Representatives and Land Agents, and SLR International, the sampling subcontractor.

Wells are to be re-secured following all monitoring and sampling activities.

7. Constraints/Restrictions/Special Conditions

Monitoring and sampling activities will take place during daylight hours only.

Water Quality tests will be conducted on a combination of AKLNG and privately owned properties. The AKLNG Land Agents are responsible for obtaining a right of entry permit for each property. The Lead Field Hydrogeologist will develop a look ahead schedule with the Site Manager, who will then relay this information on to the Land Agents with a request for notification of any special Right of Entry (RoE) restrictions for the upcoming (and adjacent) parcels. During daily logistics meetings, the Field Hydrogeologist will communicate with the Site Manager on areas where work will be performed on subsequent days to ensure any special RoE restrictions are understood.

Extra precautions should be implemented in inclement weather conditions such as heavy rain and thunder/lightning storms. The instrument and all cable connectors should be protected against rain and/or surface water. During thunder/lightning storms data collection activities should cease and all cables disconnected. Further information regarding general work activities during such inclement weather can be found in Task Risk Assessment ON-GN-TRA-303 Thunder and Lightning Storms.

METHOD STATEMENT		No: Hydro-01	
		Page: 5 of 6	
ALASKA LNG (AKLNG) Well Sampling		Issue: 1	Rev 1
		Date: April 2016	

8. Plant and Equipment

The following equipment will be used during sampling activities:

- Field transportation vehicle for staff, equipment and supplies
- Hunting cart or similar to enable transportation of equipment and supplies over difficult terrain, as necessary
- YSI 556 multi-parameter water meter equipped with a flow through cell
- LaMotte 2020e turbidimeter
- Low-flow electric pumps
- Gasoline powered generators
- Water Level Indicator
- Sampling containers
- Bailers

9. Materials (handling/storage/disposal)

Purge water will be collected and stored in buckets and pails with lids, pending transportation back to the staging area. At the staging area, the water will be transferred into 55-gallon drums which will be temporarily stored onsite pending review of the analytical data. The drums will be labelled to their content and generation data.

Disposal will be handled in coordination between the Field Hydrogeologist, Site Manager, and NRC staff.

10. Preparation of Works/Location of Services

The location of the wells to be sampled are shown on Plate 1, attached. Access routes to each well locations are depicted in following plates, attached. On a daily basis during tool box talks and JHA completion, the specific locations of the well sampling activities, along with ingress and egress routes will be discussed.

11. Emergency Procedures

Details of emergency response are incorporated in the project Specific Emergency Response Plan found in Appendix O.

The field crew will include a First Aid / CPR trained person and a first aid kit with saline eye wash will be available on site. Additionally, a roaming Wildlife Safety Specialist carrying an AED will be available to crews. Each field team will carry a card with contact numbers of key project personnel (site manager, SSHE contacts) and local facilities (fire / EMS departments, hospitals etc.). In

addition, at least one person per team will be registered with the Kenai Borough Council, Office of Emergency Response, Rapid Response Notification System, which provides reports of local emergency / heightened awareness situations / conditions (severe weather, earthquake, tsunami, etc.).

12. Personal Protective Equipment (PPE) & Safety Equipment

The following personal protective equipment shall be worn during operations:

Item	Description
Safety boots/shoes, hard hat and Hi-Viz vest or clothing, long-sleeved shirt and pants	Mandatory (for all site activities per Part D of the Project Execution Plan)
Gloves	As per risk assessment
Safety glasses	As per risk assessment
Ear defenders/ear plugs	Mandatory if noise above FAL 80dB(A)

Additional personal protective equipment to comply with the accompanying SDS guidelines and for unplanned site operations (such as vehicle maintenance or recovery) should be procured and readily available locally (i.e. at site office) or as deemed required by the Field Hydrogeologist and Lead Scientist, and/or Site Manager.

13. Methodology & Sequence of Work

- Open well lid
- Use a water level indicator to measure depth to water
- Remove data logger (if applicable)
- Use of down-hole water quality parameter meter
- Use of down-hole low-flow electric pumps to purge the wells and for sampling
- Generator used to power down hole pumps
- Relocation of purge water to the temporary drum storage area
- Replacement of data logger equipment (if applicable)
- Re-securing of the well head
- Transport water samples to the laboratory

24-Hour Emergency Safety Number
1-888-333-4577

TASK RISK ASSESSMENT (TRA)

WELL SAMPLING
FORM NO. HYD-TRA-001

ACTIVITY:	Well Sampling	Date:	4/11/2016
Department Involved:	Hydrogeology and Subcontractors	Client:	AKLNG
Title of Person Performing Task:	Field Technician	Location of Activity:	Field

Please Remember: All hazards are important. Make notice of all possible hazards. Detailed safe job procedures are necessary. Awareness, teamwork, communications, and alertness apply to every situation. Use complete recommendations to eliminate or reduce hazards. This Task Risk Assessment is a compilation of potential hazards that should be expected while conducting this task. If actual work conditions or hazards require deviations from this Task Risk Assessment the employee must take the appropriate safety measures and document any changes to the Sequence of basic job steps, potential accidents or hazards, and recommendations to eliminate or reduce potential hazards listed or not listed in this Task Risk Assessment. Changes should be documented on the Jobsite Hazard Analysis (JHA) form. In addition, hazards associated with jobsite conditions should be documented on the JHA and communicated to those involved in the task.

Description of Activity / Task: Purging and sampling of existing wells

PERSONAL PROTECTIVE EQUIPMENT:

	X		Hard Hats		X		Fire Extinguisher		X		Reflective Work Vest
	X		Safety Shoes				Safety Glasses w/ Side Shields				2- Life Rings w/ 90' Floating Line
	X		Hearing Protection (if>80dB)		X		Goggles				Tag Lines
			Cotton Gloves				Face Shield				Work Permit Required
			Leather Gloves				Back Belts				Lockout/Tagout
	X		Rubber Gloves				Safety Harness				Barricade
			Welder Gloves				Floor Mat				
			Welder Helmet				Dust Mask				

WELL SAMPLING

Job Steps	Hazards	Population At Risk	Initial Risk Rating	Control Measures	Residual Risk Rating	Risk Action
Mobilization	Trips and falls by crews Stuck vehicles/equipment Wildlife	Sampling personnel	C2	Walk locations prior to moving equipment onto location Wildlife safety specialist onsite during prewalk Use of buddy system Ground truthing Mark access route, as needed Address trip and fall hazards of location during toolbox talks/jobsite hazard analysis Use proper PPE	C1	1
Well Sampling	Remote well locations Removal and replacement of data logger Use of downhole field meters and pump Use of generators Electric shock Management of samples Relocation of purge water Re-securing wells	Sampling personnel Environment	C2	Use of environmentally and HSE trained practitioners Use of buddy system Follow Method Statements, SOPs, BMPs Take breaks as required Frequent Site Manager checks on staff in all locations Onsite contingency supplies and equipment to aid in retrieval of equipment downhole Generators to be placed in “duck ponds” Pump electrical cable not to be connected to electrical power until pump is in place downhole Electrical power source to be properly grounded Inspected fire extinguishers on-site	C1	1

WELL SAMPLING

Job Steps	Hazards	Population At Risk	Initial Risk Rating	Control Measures	Residual Risk Rating	Risk Action
				Spill Kits Available on-site Transportation of water only in sealed containers to secured drum staging area Provision of extra sampling containers in case of breakage		
Demobilization	Loss of Reputation Injury	Sampling personnel Fugro	C2	Clean site properly before leaving site. Ensure hazards removed from site	C1	1

WELL SAMPLING

Risk Matrix and Risk Actions

Hazard severity	Reputation	Assets	Environment	People	Likelihood				
					A - Very unlikely (a freak combination of factors required for incident to result)	**B - Unlikely** (a rare combination of factors would be required for an incident to result	**C - Possible** (could happen when additional factors are present but otherwise unlikely to occur)	**D - Likely** (not certain to happen but an additional factor may result in an accident)	**E - Very Likely** (almost inevitable that an incident would result)
1.Slight	Slight Impact	1- Slight damage, less than $25,000 U.S.	Little or no actual or potential for damage.	1 - Slight health effect/injury (First Aid)	A1	B1	C1	D1	E1
2.Minor	Limited Impact	2 - Minor damage, 25,000 - $100,000 U.S.	Within site boundary, short term impact recoverable by the work site	2 - Minor health effect/ injury (RWC MTO)	A2	B2	C2	D2	E2
3.Major	Considerable Impact	3 - Major damage, $100,000 - $500,000 U.S.	Beyond the site boundary unlikely to last beyond 1 month. Recovery may require external aid.	3 - Major health effect/ injury (DAWC)	A3	B3	C3	D3	E3
4.Severe	National Impact	4 - Severe damage, $500,000 - $1,000,000 U.S.	Beyond the site boundary unlikely to last beyond 12 months. Recovery requires external aid.	4 - Permanent Total Disability or single fatality	A4	B4	C4	D4	E4
5.Catastrophic	International Impact	5 - Extensive damage, greater than $1,000,000 U.S.	Massive uncontrolled release with significant impact extending well beyond the site boundary.	5 - Multiple serious injuries or fatalities	A5	B5	C5	D5	E5

Green (Low)	**Acceptable (When risk reduction / control measures have been implemented). Ensure controls are maintained and manage for continuous improvement.**
Yellow (Medium)	**Tolerable (When risk reduction / control measures have been implemented). Where possible, the work activity / task should be redefined to take account of the hazards involved or the risk should be reduced further prior to task commencement.**
Red (High)	**Intolerable (Work activity / task must not proceed). It should be redefined or further control measures put in place to reduce risk. The controls should be re-assessed for adequacy prior to task commencement.**

24-Hour Emergency Safety Number
1-888-333-4577

TASK RISK ASSESSMENT (TRA)

THUNDER/LIGHTNING STORMS
Form No. ON-GN-TRA-303

ACTIVITY:	Working near thunder & lightning storms	Date:	3/30/15
Department Involved:	Various	Client:	AKLNG
Title of Person Performing Task:	Various	Location of Activity:	Alaska

Please Remember: All hazards are important. Make notice of all possible hazards. Detailed safe job procedures are necessary. Awareness, teamwork, communications, and alertness apply to every situation. Use complete recommendations to eliminate or reduce hazards. This Task Risk Assessment is a compilation of potential hazards that should be expected while conducting this task. If actual work conditions or hazards require deviations from this Task Risk Assessment the employee must take the appropriate safety measures and document any changes to the Sequence of basic job steps, potential accidents or hazards, and recommendations to eliminate or reduce potential hazards listed or not listed in this Task Risk Assessment. Changes should be documented on the Jobsite Hazard Analysis (JHA) form. In addition, hazards associated with jobsite conditions should be documented on the JHA and communicated to those involved in the task.

Description of Activity / Task:

For more info see: NOAA
http://www.lightningsafety.noaa.gov/overview.htm and

The National Lightning Safety Institute
http://www.lightningsafety.com/nlsi_pls.html

For more information on tornadoes see:
http://www.spc.noaa.gov/faq/tornado/

PERSONAL PROTECTIVE EQUIPMENT:

	Hard Hats		Fire Extinguisher		Class 3 Reflective Work Vest
	Safety Shoes		Safety Glasses w/ Side Shields		2- Life Rings w/ 90' Floating Line
	Hearing Protection		Goggles		Tag Lines
	Cotton Gloves		Face Shield		Work Permit Required
	Leather Gloves		Back Belts		Lockout/Tagout
	Rubber Gloves		Safety Harness		Water for Hydration
	Welder Gloves		Floor Mat		
	Welder Helmet		Dust Mask		

THUNDER/LIGHTENING STORMS
GP-303

Job Steps	Hazards	Population At Risk	Initial Risk Rating	Controls Measures	Residual Risk Rating	Risk Action
Conducting fieldwork in areas with risk of developing thunderstorms.	Being struck by lightning	Employee	B5	Post a spotter to monitor developing weather and allow for enough lead time to safely shut down operations in advance of approaching storm. Consider utilizing a lightning detection device. If thunder or lightning are observed, immediately seek safe shelter. "If thunder roars, go indoors." The safest place is a fully enclosed building. The roof, walls, floor, plumbing and wiring of a fully enclosed building provide pathways for the electrical current to get to ground safely (so you don't become the path!). Once inside, avoid any path that may conduct electricity such as corded phones or radios, wires, TV cables, metal doors and window frames. Stay away from and don't use plumbing and electric appliances (even computers). Do not lie on concrete floors or lean against concrete walls. If a safe building is not available, seek shelter in a fully enclosed, metal topped vehicle. Do not touch any metal or use electronics, especially 2-way radios with external antennas, but also cell phones, lap top computers or GPS devices.	B2	LOW

THUNDER/LIGHTENING STORMS
GP-303

Job Steps	Hazards	Population At Risk	Initial Risk Rating	Controls Measures	Residual Risk Rating	Risk Action
Conducting fieldwork in areas with risk of developing thunderstorms. (continued)	Being struck by lightning (continued)	Employee	B5	If a safe building or vehicle is not available, move to the topographically lowest nearby location. Stay away from water, wet items, metal (esp. fences), ridgelines, and tall objects such as trees. Put your feet together, crouch down into a ball, tuck your head, and cover your ears to reduce hearing damage. Only your feet should touch the ground; the objective is to be as low as possible while at the same time minimizing your contact with the ground. Keep a distance of 15 ft between people. No place outside is safe from lightning! NOAA and the Lightning Safety Institute recommend to continue sheltering and the suspension of activities for 30 minutes after the last observed lightning or thunder because lightning can strike 10-25 miles away from thunderstorms (i.e. “Bolts from the blue”). Be sure the threat of lightning has passed before resuming activities. Using “Flash-to-bang” ratios may help estimate the proximity to lightning. For each 5 seconds from seeing lightning to hearing the associated thunder, lightning is 1 mi (1.6 km) away. (For example, a count of 10 sec = 2 miles (2.4 km); 15 sec = 3 miles; etc.) However, remember that lightning can unpredictably strike 10s of miles from a thunderstorm; move to shelter as soon as lightning is observed heading your way. If Lightning victims are not electrified; they may need immediate first aid or CPR. Administer CPR and seek trained medical help immediately (only touch the individual if the electrical charge has dissipated).	B2	LOW

THUNDER/LIGHTENING STORMS
GP-303

Job Steps	Hazards	Population At Risk	Initial Risk Rating	Controls Measures	Residual Risk Rating	Risk Action
Conducting fieldwork in areas with risk of developing thunderstorms. (continued)	Lightning starts a fire that spreads rapidly from thunderstorm-derived winds.	Employee	C2	Call 911 to report fire and evacuate area. Leave behind tools and equipment; they are not worth your life. If evacuation is not possible, retreat to a safety zone. Safety zones include areas with little to no flammable material or areas already burned over.	B2	LOW
	Injury from hail, including hail-induced vehicle accidents.	Employee	B4	Seek shelter from falling hail in stout building or fully enclosed vehicle. If driving, slow down and pull off road in safe location. Hail can reduce visibility and accumulate rapidly to depths that make driving dangerous.	B2	LOW
	Heavy rain and flash floods	Employee	B4	Heavy rain can reduce visibility and cause fast moving vehicles to hydroplane. Slow down and pull off road in a safe, topographically high location. Do not drive through standing water, even if looks shallow. Rain falling miles away may cause flash floods that arrive at your location with little to no warning. Immediately seek high ground at the first sign of rising waters or during heavy rain.	B2	LOW
Conducting fieldwork in areas with risk of developing thunderstorms. (continued)	High Winds and Tornados	Employee	B5	Discuss and decide on a plan of action before a tornado or high winds threaten. Post a spotter to monitor developing weather at your location and also the issuance of regional high wind or tornado watches and warnings via NOAA weather radio, local radio and TV, or the internet (www.weather.gov). Do not wait until you see the tornado: seek shelter as soon as a warning is issued. The safest shelter is a basement, storm cellar, or safe room. Next best is an interior room on the lowest floor having no windows. Mobile homes and construction office trailers are not safe; abandon them. If you cannot	B2	LOW

THUNDER/LIGHTENING STORMS
GP-303

Job Steps	Hazards	Population At Risk	Initial Risk Rating	Controls Measures	Residual Risk Rating	Risk Action
				quickly walk to sturdy shelter, drive to shelter (with seat belt on). If flying debris occurs while you are driving, pull over and park. Now you have the following options as a last resort: • Stay in the car with the seat belt on. Put your head down below the windows, covering with your hands and a blanket if possible. • If you can safely get noticeably lower than the level of the roadway, exit your car and lie in that area, covering your head with your hands.		

THUNDER/LIGHTENING STORMS
GP-303

Risk Matrix and Risk Actions

Hazard severity	Reputation	Assets	Environment	People	Likelihood: A - Very unlikely (a freak combination of factors required for incident to result)	B - Unlikely (a rare combination of factors would be required for an incident to result	C - Possible (could happen when additional factors are present but otherwise unlikely to occur)	D - Likely (not certain to happen but an additional factor may result in an accident)	E - Very Likely (almost inevitable that an incident would result)
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2.Minor	Limited Impact	2 - Minor damage, 25,000 - $100,000 U.S.	Within site boundary, short term impact recoverable by the work site	2 - Minor health effect/ injury (RWC MTO)	A2	B2	C2	D2	E2
3.Major	Considerable Impact	3 - Major damage, $100,000 - $500,000 U.S.	Beyond the site boundary unlikely to last beyond 1 month. Recovery may require external aid.	3 - Major health effect/ injury (DAWC)	A3	B3	C3	D3	E3
4.Severe	National Impact	4 - Severe damage, $500,000 - $1,000,000 U.S.	Beyond the site boundary unlikely to last beyond 12 months. Recovery requires external aid.	4 - Permanent Total Disability or single fatality	A4	B4	C4	D4	E4
5.Catastrophic	International Impact	5 - Extensive damage, greater than $1,000,000 U.S.	Massive uncontrolled release with significant impact extending well beyond the site boundary.	5 - Multiple serious injuries or fatalities	A5	B5	C5	D5	E5

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24-Hour Emergency Safety Number
1-888-333-4577

TASK RISK ASSESSMENT(TRA)

MATERIAL HANDLING-MOVING AND STACKING MATERIALS
Form ON-GN-TRA-311

ACTIVITY:	Material Handling-Moving and Stacking Materials	Date:	3/30/15
Department Involved:	All	Client:	AKLNG
Title of Person Performing Task:	Technician	Location of Activity:	Alaska

Please Remember: All hazards are important. Make notice of all possible hazards. Detailed safe job procedures are necessary. Awareness, teamwork, communications, and alertness apply to every situation. Use complete recommendations to eliminate or reduce hazards. This TRA is a compilation of potential hazards that should be expected while conducting this task. If actual work conditions or hazards require deviations from this TRA, the employee must take the appropriate safety measures and document any changes to the Sequence of basic job steps, potential accidents or hazards, and recommendations to eliminate or reduce potential hazards listed or not listed in this TRA. Changes should be documented on the Jobsite Hazard Analysis (JHA) form. In addition, hazards associated with jobsite conditions should be documented on the JHA and communicated to those involved in the task.

Description of Activity / Task:

PERSONAL PROTECTIVE EQUIPMENT:

		Hard Hats			Fire Extinguisher		X		Reflective Work Vest (if applicable)
	X	Safety Shoes (if applicable)		X	Safety Glasses w/ Side Shields				2- Life Rings w/ 90' Floating Line
		Hearing Protection			Goggles				Tag Lines
	X	Cotton or Leather Gloves			Face Shield				Work Permit Required
		Leather Gloves		X	Back Belts (as needed)				Lockout/Tagout
		Rubber Gloves			Safety Harness		X		Barricades
		Welder Gloves			Floor Mat				
		Welder Helmet			Dust Mask				

MATERIAL HANDLING-MOVING AND STACKING MATERIALS
GP-311

Job Steps	Hazards	Population At Risk	Initial Risk Rating	Controls Measures	Residual Risk Rating	Risk Action
Preparing area where materials will be moved to	Hand Injuries	Employee	C2	Lift objects in a manner to avoid sharp or excess pressure on the hands. Wear leather or cotton gloves to prevent splinters while positioning pallet that will hold materials. Wear leather or cotton gloves while clearing area the materials will be placed to prevent cuts and scrapes.	B2	LOW
	Foot Injuries	Employee	C3	Keep feet/legs out of the drop zone of objects. Wear steel toed work boots while clearing area the materials will be placed to protect feet if objects are dropped.	B2	LOW
	Slips/Trips/Falls	Employee	C2	Clear path of travel involved in the moving of materials to prevent trips/falls. Check path of travel for liquid spills or granular material on the ground and clean up before moving materials to prevent slips. Check path of travel for uneven working surfaces before moving materials to prevent trips/falls. Cleanup or move any items that may become a hazard during the move. Select a different route if hazards cannot be mitigated. Make sure soles of shoes have appropriate non slip tread.	A2	LOW
	Other employees entering area where materials are being transferred	Employee	C2	Place a soft barricade around area, where applicable.	B2	LOW

MATERIAL HANDLING-MOVING AND STACKING MATERIALS
GP-311

Job Steps	Hazards	Population At Risk	Initial Risk Rating	Controls Measures	Residual Risk Rating	Risk Action
Preparing area where materials will be moved to (continued)	Inhalation/Eye Contamination	Employee	B3	Consult MSDS/SDS for all materials to be moved, if applicable. Wear a dust mask if bags are broken or materials may become airborne. Wear goggles if the potential exists for materials to be splashed/blown into eyes.	A2	LOW
	Materials not sufficiently supported causing failure	Employee	B2	Check the weight capacity of the storage area where the materials will be moved. Examples: shelves, tables, pallets, vehicle Stack materials on waist level shelves when possible	A2	LOW
Moving Materials	Back Strains/Injuries	Employee	C3	Refer to HS-R41 Lifting Guidelines before beginning lifting activity. Restrict single person manual lifts to < 50 lbs. Get help moving heavy, oversized, or odd shaped items. Avoid manually moving office furniture and equipment. A third party moving company shall be used to move / transport furniture / large equipment. When moving large objects on a dolly, secure object to dolly to prevent the object from falling/sliding off. If item begins to fall, do not attempt to stop the item from falling. Move out of the way to prevent injury. Report any pre-existing back related injuries to management before completing any lift. Perform stretching exercises prior to lifting. Wear back-belts (optional) for heavy or repetitive motions performed over a long period of time. Position yourself close to the object to be lifted. Use your legs to lift instead of your back. Do not bend or twist at the waist during the lift. Take breaks as necessary.	B2	LOW

MATERIAL HANDLING-MOVING AND STACKING MATERIALS
GP-311

Job Steps	Hazards	Population At Risk	Initial Risk Rating	Controls Measures	Residual Risk Rating	Risk Action
Moving Materials (continued)	Foot/Leg Injuries from falling materials	Employee	C3	Stack materials orderly and only as high as materials can be stacked safely. Wear cotton or leather gloves to increase grip on items being carried. Wear steel toed work boots while moving materials to protect feet if objects are dropped.	B2	LOW
	Hand Injuries	Employee	C3	Make sure hand, fingers, or other body parts are out of line of fire or pinch points before placing materials down. Wear leather or cotton gloves while moving materials to prevent cuts and scrapes.	B2	LOW
After Completing Move	Slips, Trips, Falls	Employee	C2	Clear and store all barricading devices. Perform housekeeping activities in the area that the materials were moved from, and area where materials were placed.	A2	LOW
	Potential hazards	Employee	C3	STOP and observe for potential hazards that can possibly be addressed before leaving.	B2	LOW

MATERIAL HANDLING-MOVING AND STACKING MATERIALS
GP-311

Job Steps	Hazards	Population At Risk	Initial Risk Rating	Controls Measures	Residual Risk Rating	Risk Action
Moving Materials (continued)	Hand Injuries	Employee	C3	Make sure hand, fingers, or other body parts are out of line of fire or pinch points before placing materials down. Wear leather or cotton gloves while moving materials to prevent cuts and scrapes.	B2	LOW
After Completing Move	Slips, Trips, Falls	Employee	C2	Clear and store all barricading devices. Perform housekeeping activities in the area that the materials were moved from and area where materials were placed.	A2	LOW
	Potential hazards	Employee	C3	STOP and observe for potential hazards that can possibly be addressed before leaving.	B2	LOW

MATERIAL HANDLING-MOVING AND STACKING MATERIALS
GP-311

Risk Matrix and Risk Actions

Hazard severity	Reputation	Assets	Environment	People	Likelihood: A - Very unlikely (a freak combination of factors required for incident to result)	B - Unlikely (a rare combination of factors would be required for an incident to result	C - Possible (could happen when additional factors are present but otherwise unlikely to occur)	D - Likely (not certain to happen but an additional factor may result in an accident)	E - Very Likely (almost inevitable that an incident would result)
1.Slight	Slight Impact	1- Slight damage, less than $25,000 U.S.	Little or no actual or potential for damage.	1 - Slight health effect/injury (First Aid)	A1	B1	C1	D1	E1
2.Minor	Limited Impact	2 - Minor damage, 25,000 - $100,000 U.S.	Within site boundary, short term impact recoverable by the work site	2 - Minor health effect/ injury (RWC MTO)	A2	B2	C2	D2	E2
3.Major	Considerable Impact	3 - Major damage, $100,000 - $500,000 U.S.	Beyond the site boundary unlikely to last beyond 1 month. Recovery may require external aid.	3 - Major health effect/ injury (DAWC)	A3	B3	C3	D3	E3
4.Severe	National Impact	4 - Severe damage, $500,000 - $1,000,000 U.S.	Beyond the site boundary unlikely to last beyond 12 months. Recovery requires external aid.	4 - Permanent Total Disability or single fatality	A4	B4	C4	D4	E4
5.Catastrophic	International Impact	5 - Extensive damage, greater than $1,000,000 U.S.	Massive uncontrolled release with significant impact extending well beyond the site boundary.	5 - Multiple serious injuries or fatalities	A5	B5	C5	D5	E5

Green (Low)	**Acceptable (When risk reduction / control measures have been implemented). Ensure controls are maintained and manage for continuous improvement.**
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24-Hour Emergency Safety Number
1-888-333-4577

TASK RISK ASSESSMENT (TRA)

DRIVING OFF ROAD
ON-GN-TRA-349

ACTIVITY:	Driving off of paved roads	Date:	3/30/15
Department Involved:	Various	Client:	AKLNG
Title of Person Performing Task:	Approved Driver	Location of Activity:	Alaska

Please Remember: All hazards are important. Make notice of all possible hazards. Detailed safe job procedures are necessary. Awareness, teamwork, communications, and alertness apply to every situation. Use complete recommendations to eliminate or reduce hazards. This Task Risk Assessment is a compilation of potential hazards that should be expected while conducting this task. If actual work conditions or hazards require deviations from this Task Risk Assessment the employee must take the appropriate safety measures and document any changes to the Sequence of basic job steps, potential accidents or hazards, and recommendations to eliminate or reduce potential hazards listed or not listed in this Task Risk Assessment. Changes should be documented on the Jobsite Hazard Analysis (JHA) form. In addition, hazards associated with jobsite conditions should be documented on the JHA and communicated to those involved in the task.

Description of Activity / Task:

PERSONAL PROTECTIVE EQUIPMENT:

	Hard Hats		Fire Extinguisher		Reflective Work Vest		
	Safety Shoes		Safety Glasses w/ Side Shields		2- Life Rings w/ 90' Floating Line		
	Hearing Protection		Goggles		Tag Lines		
	Cotton Gloves		Face Shield		Work Permit Required		
	Leather Gloves		Back Belts		Lockout/Tagout		
	Rubber Gloves		Safety Harness		Barricade		
	Welder Gloves		Floor Mat	X	Seatbelt		
	Welder Helmet		Dust Mask	X	Vehicle Recovery Gear (possible)		

DRIVING OFF ROAD
GP-349

Job Steps	Hazards	Population At Risk	Initial Risk Rating	Control Measures	Residual Risk Rating	Risk Action
Drive to jobsite	Traffic accident Once on site potential accident with heavy equipment or pedestrian	Employee Public Asset	A5	Practice defensive driving. Review GP-310 Vehicle Usage. While on site particular care should be used by following the site specific speed limits and traffic signs. Obey all site posted warning and regulation signs.	C2	LOW
Pre start-up inspection	Vehicle failure	Employee Public Asset	A5	Check tire pressure, pedals, fluids, brakes, lights, suspension, horn, etc. in accordance with owner's manual instructions prior to starting the vehicle.	A3	LOW
Driving the vehicle	Losing control of the vehicle	Employee Asset	A5	Do not exceed speeds that are safe for the terrain. GO SLOW OFF ROAD. Drive on well defined trails or dirt roads whenever possible. Avoid off trail driving (i.e., "trailblazing") whenever possible. When going down hills keep the engine running and in gear, apply the brake and avoid sharp turns. Heavy loads affect the safety and stability of the vehicle. Always use caution when moving or towing heavy loads. Employees should be trained in off-road driving techniques, where available.	A3	LOW

DRIVING OFF ROAD
GP-349

Job Steps	Hazards	Population At Risk	Initial Risk Rating	Control Measures	Residual Risk Rating	Risk Action
Driving the vehicle (continued)	Colliding with vehicle, person or object	Employee Public Asset	A5	Observe local laws and regulations at all times. Be alert for obstacles - always look in the direction of travel. Maintain an adequate space cushion between yourself and other vehicles. Remember that pedestrians and animals are unpredictable in their movement.	A3	LOW
	Four Wheel Drive (4WD) Operation	Employee Public Asset	A5	Only use 4WD when needed. Consult vehicle owner's manual if driver is unfamiliar with vehicle specific steps for switching from 2WD to 4WD. Learn your vehicle. Follow all vehicle specific steps to switch from 2WD to 4WD. Operate vehicle in 4WD (high) for most off road driving conditions. Only operate in 4WD (low) when absolutely needed (e.g. climbing or descending steep hills). If driver anticipates needing 4WD (low) for the immediate section of road/trail ahead, make sure to switch into 4WD (low) prior to entering the difficult section. Absolutely no dry-pavement on road driving in 4WD (low). Use a relaxed and upright driving position with a loose grip on the steering wheel; keep thumbs out of the center section of the wheel, thus avoiding broken thumbs from steering wheel kickback. Check the area in which off-road travel is planned. Review local maps (if available). If in doubt, exit vehicle and scout the terrain ahead on foot. Does the vehicle have enough clearance for any obstacles in the path ahead?	A3	LOW

DRIVING OFF ROAD
GP-349

Job Steps	Hazards	Population At Risk	Initial Risk Rating	Control Measures	Residual Risk Rating	Risk Action
Driving the vehicle (continued)	Four Wheel Drive (4WD) Operation	Employee Public Asset	A5	Be aware of changing weather conditions. If heavy rain occurs move out of washes and low lying areas on the desert floor and head to high ground whenever possible. Avoid crossing flooded washes, wait for water flow to stop before deciding to move across a flooded wash. If you don't want to swim it, don't drive into it. Avoid stream crossings if possible. Do not drive across streams deeper than 12 inches. If a stream crossing is necessary, survey the crossing first: 1) What are the bottom conditions? Mud? Rocks? Traction or no traction? 2) What is the maximum water depth? 3) How fast is the water flowing? 4) Is there an accessible exit point across the stream? Do not drive against the current, cross at a right angle to the flow, or angle downstream to the opposite bank. Begin slowly and keep a steady speed while crossing. When in doubt, opt out.	A3	LOW
	Vehicle getting stuck	Employee Asset	B3	Avoid driving through areas where becoming stuck is a potential. Drive with another vehicle present, when possible. Carry a recovery bag with slings, shackles, and a shock arrestor if the chance of getting stuck is high. Only attempt to remove a vehicle if you are properly trained and risks have been adequately mitigated.	B2	LOW

DRIVING OFF ROAD
GP-349

Risk Matrix and Risk Actions

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Water Quality Monitoring
Field and Data Collection Procedures
Alaska LNG Project
April 2016

Two groundwater sampling events will be conducted in 2016 following routine/standard operating procedures. The first event, in April 2016, will sampling twelve (12) existing monitoring wells and up to 3 3rd-party wells (if accessible), and the second sample event, in July/August 2016, will include sampling the original twelve (12) existing monitoring wells, plus seven (7) additional wells installed to support the Aquifer Pump Testing (APT) activities and up to five (5) samples collected from 3rd-party wells in the area. Existing monitoring and 3rd-party wells are shown on Plate 1. APT activity and 3rd-party wells are shown on Plate 2. Route maps to each well area are also attached.

Well water samples will be tested for various water quality analytes including those to assess general groundwater quality or water supply quality. Well locations are shown on the attached Plate 1. The attached Table 1 identifies the wells to be sampled during the two events and the suite of testing to be conducted. The attached Tables 2 and 3 present the analytical suites and quality assurance testing to be conducted.

Field staff involved with monitoring activities will include the field hydrogeologist of Fugro, and SLR International (SLR) environmental scientists. All field staff are considered trained environmental professionals well versed in water sampling. All staff will follow project required HSE practices and requirements.

Field well purging and sampling data will be collected on a daily basis and will document the activities conducted at each well location. Samples will remain iced or refrigerated following sampling and until delivery to the analytical laboratory. Chain of custody documents will accompany all samples to the analytical laboratory. Forms to be used during the events are attached.

Water level data recordation will be periodically downloaded by Fugro field staff and provided to the field hydrogeologist during 2016.

Details of well purging and sampling activities for existing and new wells are described below. Purging and sampling of Third-Party wells do differ from some of the details presented and notes will be added accordingly.

- Fugro will direct and oversee the activities of SLR International, a local environmental consulting firm which will conduct the field well purging and sampling activities. SLR will contract manage the sample delivery logistics with the analytical laboratory (SGS Anchorage). SLR will pick up the sample kits from SGS and transport them to the project site. After sampling, SLR will ship the samples via air freight to the laboratory with proper preservation and chain of custody (COC). SGS will pick up the samples at the airport (SLR will notify SGS of the shipment and anticipated timing of delivery).
- The field sampling team will consist of 2 to 3 SLR field scientists, 2 for the first event and 3 for the second event. The third scientist for the second event will be responsible for collecting fecal coliform samples, and transporting them to the airport for shipping each morning in order to meet an eight-hour post-sampling holding time. During afternoons or evenings, samples will be packaged for shipment, shipping paperwork (including COCs) completed, and sampling or logistics for the next day determined.

- Prior to starting each event, water level data will be collected by Fugro from all existing monitoring wells installed by Fugro that have dedicated dataloggers installed. Following data collection, Fugro will confer with AKLNG to confirm the wells to be sampled during each event. Should sufficient groundwater volume be observed within wells MW-77B or MW-91B; one of those wells may be considered for sampling, in lieu of well MW-14B.
- Industry-standard sampling protocol will be employed during purging and sampling of the monitoring, and pumped and observation wells in accordance with ASTMD 5903/4448 and ADEC guidelines. All equipment used down a well will be cleaned prior to each use. Prior to sampling, the depth to water will be measured in each well to be sampled and then the well will be purged at a rate of approximately 0.1 to 0.5 liters per minute using a variable speed, low-flow submersible impeller pump. Water levels will be checked periodically to monitor drawdown as a guide to manage flow rate. The objective will be to maintain a minimal drawdown (< 0.33 feet) during purging. Samples will be obtained using the low-flow pump.
- Water quality parameters [oxidation-reduction potential (ORP), pH, specific conductance, temperature, and dissolved oxygen (DO)] will be monitored during purging using a YSI 556 multi-parameter water meter equipped with a flow through cell. Turbidity will be measured using a LaMotte 2020e turbidimeter. The YSI multimeter and LaMotte turbidimeter will be calibrated daily, and calibration records retained and checked for verification of proper calibration. Field logs will be used to record field parameters, and document purging. Water quality measurements will be taken every three to five minutes. Purging will be considered complete once water quality parameters have stabilized. Parameters will be considered stable when three successive discrete measurements for at least three parameters (four if temperature is included), are within the following criteria (limits):
    - Temperature (°C), ±3% (minimum of ± 0.2 °C);
    - pH, ± 0.1 standard units;
    - Specific conductance, ±3% percent;
    - Dissolved oxygen (DO), ± 10%;
    - Oxidation/Reduction Potential (ORP), ± 10 millivolts; and
    - Turbidity, 10% for values greater than 5 NTU, if three values are less than 5 NTU, values are considered stabilized.
- If a well is low yield and purged dry, a sample will not collected until it has recharged to approximately 80% of its pre-purge volume, when practical. In this case, the well typically would be allowed to recharge and sampled the next day (without achieving stable parameters). Should they occur, these circumstances would be documented in field notes or logs.
- It is anticipated that purging will require approximately 30 minutes per well, pumping at 0.5 liters per minute, which equates to 15 liters per well (or 4 gallons). Total purge water

volume for 12 wells is anticipated to be 48 gallons (for the first event) and for 19 wells the volume is expected to be 76 gallons (for second event).

- For Third-Party wells, the wells will be purged by activating the well pumps and allowing water at the well head and prior to any treatment, for a period of 20 to 30 minutes while taking water quality parameter measurements. Once measurements appear to stabilize water samples will be obtained from the stream of water. If no pumps are present within the Third-Party wells, the wells will be sampled as per monitoring well procedures (described above).
- Samples will be analyzed on a standard turn-around basis. There are some analyses with short holding times (8 to 48 hours) which will require special handling in order to meet their respective holding times. Chlorophyll samples will be field filtered and frozen by SGS in Anchorage to extend the hold time from 48 hours to 3 weeks. Ortho-phosphate, turbidity and fecal coliform samples received on the weekends will be processed and analyzed to meet hold times, with other samples being stored in a cooler at the lab until analyses can be completed during standard business hours (Monday- Friday). As noted above, fecal coliform samples will be collected in the morning from wells purged and sampled the previous day, and shipped to the lab for analysis that afternoon to meet the 8 hour hold time. There is typically a flight about every 2 hours from Kenai to Anchorage and the flight takes about 30 minutes. There will be close coordination with the air carrier and lab to minimize any delays. However, it is possible flights will be delayed due to weather or other factors. In these cases, the samples can either be re-collected or qualified accordingly (AK LNG would be notified in any such case to determine the preferred approach).
- Quality assurance samples will be collected and analyzed as indicated on the attached tables. Duplicate samples will be collected at a frequency of 10% of the primary samples, and MS/MSDs at a frequency of 5% per sample event for spikeable parameters. Trip blanks will accompany each sample shipment (cooler) containing samples for VOC analysis. During the first sample event, an equipment blank will be collected and analyzed for total metals (e.g., tubing) and a filter blank (tubing and filter) will be collected and analyzed for dissolved metals. The same tubing and filter lots will be used for subsequent sample events (or additional blank(s) will be run for each lot used). Approximately 1 Liter of water/sample will be run through tubing and filters prior to blank and sample collection, as practical.

Data QC and submittals

The following documentation for a sampling event will be generated and included in the Groundwater Quality Monitoring Event Reports prepared for each event:

- Copies of field logs and notes.
- A data table (Excel spreadsheet) with field parameters (pH, specific conductance, DO, temperature, ORP, and turbidity).

- A data table with laboratory results, and data qualifiers. Results will be screened against Alaska Department of Environmental Conservation (ADEC) groundwater cleanup levels (18 AAC 75.345, Table C) and any exceedances noted (by color coding). Changes to these cleanup levels are proposed by ADEC and anticipated to take in the summer of 2016. Therefore, the data will be screened against the current and proposed groundwater cleanup levels.
- A data quality assurance summary report and checklist for each work order following ADEC guidance (http://dec.alaska.gov/spar/csp/guidance/amqa/lab-data-review-checklist.pdf) and http://dec.alaska.gov/spar/csp/guidance/tm_lab_qa.pdf)
- Laboratory data results package.

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Table 1: Groundwater Quality Sampling Schedule

Well Id	April Sampling Event General Groundwater Quality Suite (Table 2)	July/August Sampling Event Water Supply Quality Suite (Table 3)
MW-27B	X[1]	X[1]
MW-39A	X	X
MW-39B	X	X
MW-50A	X	X
MW-50B	X	X
MW-62A	X	X
MW-74A	X	X
MW-74B	X	X
MW-82A	X	X
MW-82B	X	X
MW-87B	X[1]	X[1]
MW-91A	X	X
APT-1		X[1]
APT-2		X[1]
APT-3		X[1]
OW-1		X[1]
OW-2		X[1]
OW-3		X[1]
OW-4		X[1]
Third Party W-1	X[1]	X[1]
Third Party W-2 (Decker)	X[1]	X[1]
Third Party W-5		X
Third Party Well (PQW-1)	X[1]	X[1]

Note: [1] = Samples additionally analyzed and reported per ADEC requirements for TAH (BTEX) and TAqH (PAH).

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Table 2: General Groundwater Quality Suite

Parameter	Method	Duplicates
Water Quality Suite		
Hardness	SM21 2340B	1/10
Alkalinity	SM21 2320B	1/10
Nitrate/Nitrite	SM21 4500NO3-F	1/10
Total Dissolved Solids (TDS)	2540C	1/10
Total Suspended Solids (TSS)	2540D	1/10
Turbidity	SM21 2130B	1/10
Chloride, Sulfate, Flouride	EPA 300.0	1/10
pH	4500-H	1/10
Metals (total and dissolved)		
Total Metals – As, Ba, Be, Ca, Cd, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Na, Ni, Tl, Sb, Se, V, Zn,	EPA 200.8	1/10
Total Mercury	EPA 1631E	1/10
Dissolved Metals – An, As, Ba, Be, Ca, Cd, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Na, Ni, Sb, Se, Tl, V, Zn	EPA 200.8	1/10
Dissolved Mercury	EPA 1631E	1/10
Organics		
Volatile Organic Compounds	EPA 8260B	1/10
Semi-Volatile Organic Compounds	EPA 8270D	1/10
Petroleum Hydrocarbons		
Gasoline Range Organics	AK 101	1/10
Diesel Range Organics	AK 102	1/10
Residual Range Organics	AK 103	1/10

Note: “1/10” indicates one duplicate for every 10 samples taken; 11 samples requires two duplicates.

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Table 3: Water Supply Quality Suite

Parameter	Method	Duplicates	MS	MSD	TB
Water Quality Suite					
Hardness	SM21 2340B	1/10	1/20	1/20	
Alkalinity	SM21 2320B	1/10	1/20	1/20	
Nitrate/Nitrite	SM21 4500NO3-F	1/10	1/20	1/20	
Ammonia as Nitrogen	SM21 4500NH3-F	1/10	1/20	1/20	
Total Kjeldahl Nitrogen (TKN)	SM21 4500N D	1/10	1/20	1/20	
Total Phosphorous	SM21 4500-PE/PB	1/10	1/20	1/20	
Ortho-phosphate	SM21 4500P-E	1/10	1/20	1/20	
Chlorophyll a	10300	1/10	1/20	1/20	
Total Dissolved Solids (TDS)	2540C	1/10	1/20	1/20	
Total Suspended Solids (TSS)	2540D	1/10	1/20	1/20	
Turbidity	SM21 2130B	1/10	1/20	1/20	
Total Organic Carbon (TOC)	SM 21 5310B	1/10	1/20	1/20	
Dissolved Organic Carbon (DOC)	SM21 5310B	1/10	1/20	1/20	
Chemical Oxygen Demand (COD)	EPA 410.4	1/10	1/20	1/20	
Chloride, Sulfate, Flouride	EPA 300.0	1/10	1/20	1/20	
pH	4500-H	1/10	1/20	1/20	
Total Residue	SM21 2540B	1/10	1/20	1/20	
Fecal Coliform	SM21 9222D	1/10	1/20	1/20	
Metals (total and dissolved)					
Total Metals – As, Ba, Be, Ca, Cd, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Na, Ni, Tl, Sb, Se, V, Zn	EPA 200.8	1/10	1/20	1/20	
Total Mercury	EPA 1631E	1/10	1/20	1/20	
Total Mercury Trip blank	EPA 1631E				1/8
Dissolved Metals – As, Ba, Be, Ca, Cd, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Na, Ni, Sb, Se, Tl, V, Zn	EPA 200.8	1/10	1/20	1/20	
Dissolved Mercury	EPA 1631E	1/10	1/20	1/20	
Dissolved Mercury Trip blank	EPA 1631E				1/8
Organics					
Volatile Organic Compounds	EPA 8260B	1/10	1/20	1/20	
VOCs Trip blank	EPA 8260B				1/8
Semi-Volatile Organic Compounds	EPA 8270D	1/10	1/20	1/20	

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Parameter	Method	Duplicates	MS	MSD	TB
Polychlorinated biphenyls	EPA 8082	1/10	1/20	1/20	
Pesticides	EPA 8270D SIMS	1/10	1/20	1/20	
Petroleum Hydrocarbons					
Gasoline Range Organics	AK 101	1/10	1/20	1/20	
GRO Trip blank	AK 101				1/8
Diesel Range Organics	AK 102	1/10	1/20	1/20	
Residual Range Organics	AK 103	1/10	1/20	1/20	

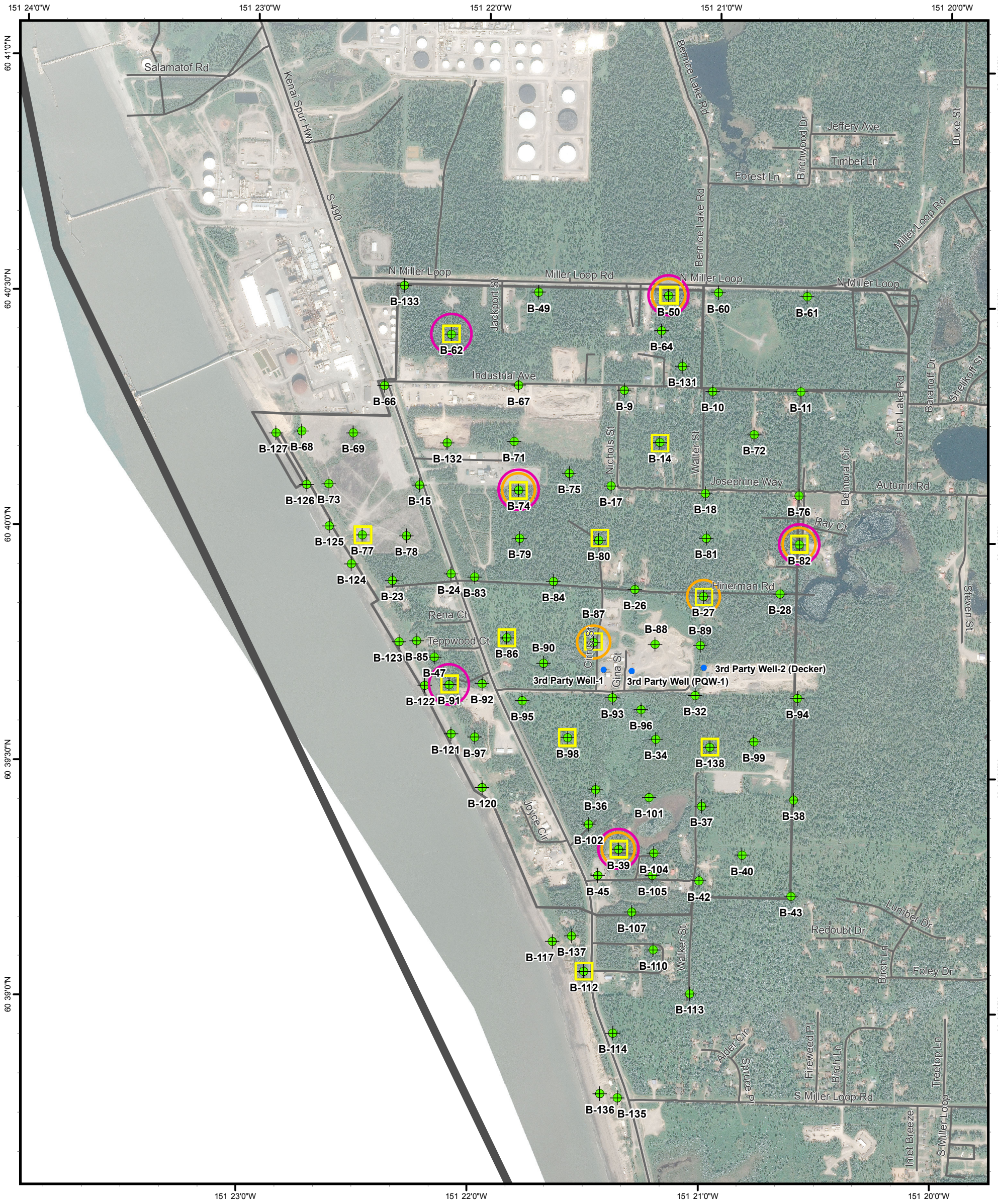
Notes:

MS refers to “Matrix Spike” and provides the number of samples required per the number of primary samples.

MSD refers to “Matrix Spike Duplicate” and provides the number of samples required per the number of primary samples.

TB refers to “Trip Blank” and provides the number of samples required per the number of primary samples.

Project No. 04.10160001



LEGEND

- Onshore borings (Completed)
- Well Locations
- New Facility Boundary
- Shallow Well
- Intermediate Well
- 3rd Party Well

0 500 1,000 2,000 Feet

WATER QUALITY WELL SAMPLING LOCATIONS

ONSHORE FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 1

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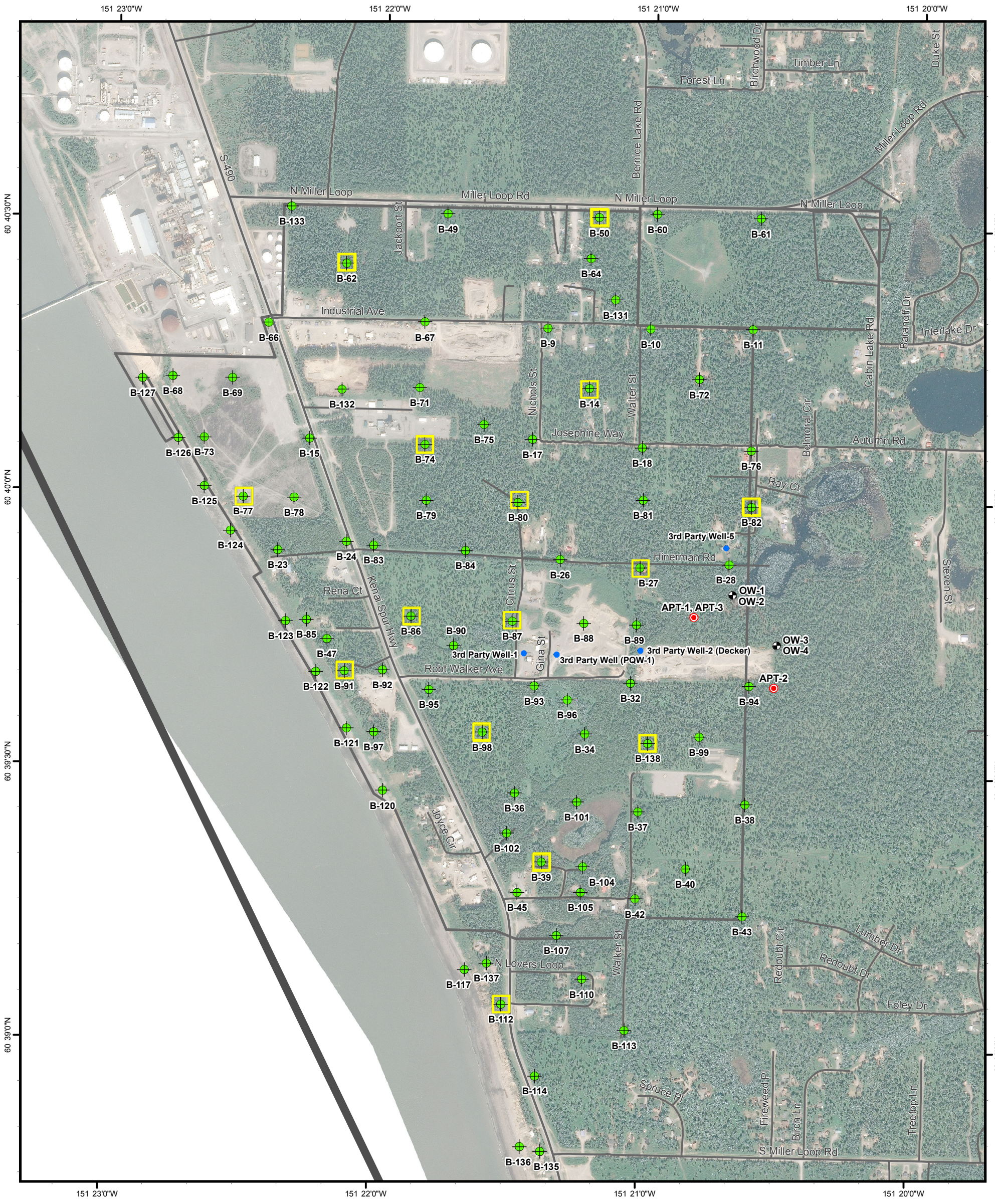

LEGEND

- Onshore borings (Completed)
- Well Locations
- New Facility Boundary
- APT Well
- Observation Well Pair
- 3rd Party Well

0 500 1,000 2,000 Feet

APT WELL LOCATIONS
ONSHORE FACILITIES
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 2

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Project No. 04.10160001

Legend

- mw_20160411 selection
- AKLNG2014, Completed
- AKLNG2015, Completed
- AKLNG2016, Not Started

0 75 150 300 Feet

MONITORING WELL LOCATIONS
ALASKA LNG PROJECT
NIKISKI, ALASKA

PLATE 1