

Groundwater Sampling Results
Thomas Jacquez E #1
BP America Production Co.

Parameter	Dale Water Well 11/7/18	Kitts Water Well 11/5/18	Rehorn Water Well 11/8/18	Mannix Water Well 11/7/18	EPA Standard	Units
Methane	-	-	-	-	-	mg/L
Total Coliform	-	Absent	-	-	Absent	-
E. coli	-	Absent	-	-	Absent	-
Iron-Related Bacteria	NA	-	-	-	-	-
Slime-Forming Bacteria	NA	-	-	-	-	-
Sulfate-Reducing Bacteria	NA	-	-	-	-	-
Alkalinity, Bicarbonate	-	123	-	-	-	mg/L
Alkalinity, Carbonate	-	16.0	-	-	-	mg/L
Alkalinity, Total	-	139	-	-	-	mg/L
Chloride	-	213	-	-	250	mg/L
Conductivity	-	1,290	-	-	-	uS/cm
Fluoride	-	6.97	-	-	2.0 and 4.0*	mg/L
Nitrate/Nitrite, as dissolved Nitrogen	-	<0.020	-	-	Nitrate=10 Nitrite - 1*	mg/L
pH	-	8.43	-	-	6.5-8.5	pH Units
Sodium Absorption Ratio	-	21.9	-	-	-	-
TDS	-	700	-	-	500	mg/L
Sulfate	-	99.0	-	-	250	mg/L
Hardness	-	26.0	-	-	-	mg/L
Calcium	-	10.4	-	-	-	mg/L
Dissolved Iron	-	<0.050	-	-	0.3	mg/L
Magnesium	-	<0.100	-	-	-	mg/L
Manganese	-	0.0114	-	-	0.05	mg/L
Potassium	-	<1.00	-	-	-	mg/L
Sodium	-	258	-	-	-	mg/L
Selenium	-	0.0018	-	-	0.05*	mg/L
Benzene	-	-	-	-	0.005*	mg/L
Toluene	-	-	-	-	1*	mg/L
Ethylbenzene	-	-	-	-	0.7*	mg/L
Total Xylenes	-	-	-	-	10*	mg/L
Total BTEX	-	-	-	-	-	mg/L
TPH (GRO)	-	-	-	-	-	mg/L
TPH (DRO)	-	-	-	-	-	mg/L
TPH (EXT DRO)	-	-	-	-	-	mg/L
Field, pH	7.70	8.83	7.74	8.07	6.5-8.5	pH Units
Field, Conductivity	800	1,240	760	810	-	uS/cm
Field, Temperature	13.3	13.9	11.4	12.9	-	°C
Total Volume Purged	65	120	50	52	-	gallons

Notes:

mg/L - milligrams per liter
uS/cm - microsiemens per centimeter
ohm/cm - ohms per centimeter
°C - degrees Centigrade
NA - Not Applicable
TDS - Total Dissolved Solids
EPA- Environmental Protection Agency
EPA Standards are Secondary Maximum Contaminant Levels (MCLs) unless otherwise noted
* - EPA Primary MCL

BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
TPH - Total Petroleum Hydrocarbons
GRO - Gasoline Range Organics
DRO - Diesel Range Organics
EXT - Extended
Bold values exceed EPA Standard
"- " indicates results are pending
See map for sample locations