QUALITY OF GROUND WATER

SOUTH-CENTRAL ALASKA

MATANUSKA-SUSITNA BOROUGH

613743149255101 -- SB01800127ABBD2021

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August to September 2005.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Medium code	Sample type	Depth to water level, feet below LSD (72019)	Water level, depth below MP, feet (61055)	Depth of well, feet below LSD (72008)	Sampling condition, code (72006)	Sample treatment, code (00115)	Pump or flow period prior to sampling, minutes (72004)	Flow rate, instantaneous gal/min (00059)	Sampling method, code (82398)	Sampler type, code (84164)	Specif. conductance, wat unf uS/cm 25 degC (00095)
AUG													
05...	1600	6	9	35.61	37.86	80.	.10	1	62	9.5	4040	4040	222
SEP													
12...	1010	6	9	35.45	37.69	80.	.10	1	58	9.9	4040	4040	225

Date	pH, water, unfltrd field, std units (00400)	Oxidation reduction potential, mV (00090)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Potassium, water, fltrd, mg/L (00935)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)
AUG													
05...	6.9	.0	20.0	5.5	752	.6	5	110	29.7	8.97	3.00	.81	140
SEP													
12...	6.9	-60	10.6	5.4	748	.3	2	--	--	--	--	--	--

Date	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Sulfate water, fltrd, mg/L (00945)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Residue on evap. at 180degC wat flt mg/L (70300)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Total nitrogen, wat flt by analysis, mg/L (62854)	Total nitrogen, wat unf by analysis, mg/L (62855)	Ammonia water, fltrd, mg/L as N (00608)	Phosphorus, water, unfltrd mg/L (00665)	Phosphorus, water, fltrd, mg/L (00666)
AUG													
05...	114	<.2	1.40	E.1	26.3	146	<.002	<.016	.10	.10	.024	.036	.031
SEP													
12...	--	--	--	--	--	--	<.002	<.016	.11	.10	.025	.037	.031

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Iron, water, fltrd, ug/L (01046)	Manganese, water, fltrd, ug/L (01056)	Deuterium/Protium ratio, water, unfltrd per mil (82082)	O-18 / O-16 ratio, water, unfltrd per mil (82085)	Organic carbon, water, fltrd, mg/L (00681)
AUG						
05...	.024	138	2170	-103	-10.58	2.2
SEP						
12...	.028	--	--	-103	-10.52	2.2