

# QUALITY OF GROUND WATER

## SOUTH-CENTRAL ALASKA

### MATANUSKA-SUSITNA BOROUGH

613053149565301 -- SB01700435DCDC1002

#### WATER-QUALITY RECORDS

PERIOD OF RECORD.--June and August 1999 and 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)	Sam-pling condi-tion, code (72006)	Sample treat-ment, code (00115)	Pump or flow period prior to sam-pling, minutes (72004)	Flow rate, instan-taneous gal/min (00059)	Sam-pling method, code (82398)	Sampler type, code (84164)	Specif. conduc-tance, uS/cm 25 degC (00095)
AUG 03...	1210	6	9	12.53	13.13	24.0	.10	1	96	7.2	4040	4040	141
SEP 16...	1300	6	9	11.91	12.51	24.0	.10	1	--	8.2	4040	4040	147

  

Date	pH, water, unfltrd field, std units (00400)	Oxi-dation re-duction poten-tial, mV (00090)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Potas-sium, water, fltrd, mg/L (00935)	Bicar-bonate, wat flt incrm. titr., field, mg/L (00453)
AUG 03...	7.0	--	15.5	9.1	752	2.1	18	64	19.9	3.39	2.84	.57	78
SEP 16...	6.9	3	10.6	9.6	750	.9	8	--	--	--	--	--	--

  

Date	Carbon-ate, wat flt incrm. titr., field, mg/L (00452)	Alka-linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Sulfate water, fltrd, mg/L (00945)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Residue on evap. at 180degC, wat flt mg/L (70300)	Residue water, sum of consti-tuents mg/L (70301)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	Total nitro-gen, wat unf by anal ysis, mg/L (62855)	Ammonia water, fltrd, mg/L as N (00608)
AUG 03...	.0	64	1.6	4.54	E.1	7.81	83	79	<.002	.043	.06	.07	<.010
SEP 16...	--	--	--	--	--	--	--	--	<.002	.020	E.04	.09	<.010

  

Date	Phos-phorus, water, unfltrd mg/L (00665)	Phos-phorus, water, fltrd, mg/L (00666)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Deu-terium/ 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 03...	E.003	E.002	E.003	51	3.0	-113	-13.21	.8
SEP 16...	E.003	E.003	<.006	--	--	-111	-12.82	1.0