

# QUALITY OF GROUND WATER

## SOUTH-CENTRAL ALASKA

### MATANUSKA-SUSITNA BOROUGH

613238149504201 -- SB01700320DDAD1007

#### 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)	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)	Type of sample related QA data, code (99111)
AUG 09...	1120	6	9	4.92	7.58	78.7	.10	1	69	6.9	4040	4040	--
SEP 12...	1510	6	9	3.68	6.34	78.7	.10	1	60	7.2	4040	4040	30

  

Date	Type of repli-cate, code (99105)	Specif. conduc-tance, uS/cm 25 degC (00095)	pH, 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)
AUG 09...	--	219	8.5	-168	15.6	4.5	769	.4	3	94	28.0	5.77	9.65
SEP 12...	20.00	222	8.4	-157	11.6	4.4	757	.1	.0	--	--	--	--

  

Date	Potas-sium, water, fltrd, mg/L (00935)	Bicar-bonate, wat flt incrm, titr., field, mg/L (00453)	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, fltrd, 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)
AUG 09...	1.54	139	114	2.7	2.16	E.1	11.2	127	130	<.002	<.016	.17	.16
SEP 12...	--	--	--	--	--	--	--	--	--	<.002	.019	.17	.17

  

Date	Ammonia water, fltrd, as N (00608)	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 09...	.148	.074	.071	.059	83	44.2	-132	-16.86	--
SEP 12...	.160	.074	.074	.063	--	--	-133	-16.87	.7