

# QUALITY OF GROUND WATER

## SOUTH-CENTRAL ALASKA

### MATANUSKA-SUSITNA BOROUGH

613533149184801 -- SA01700105CAAA1031

#### 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 08...	1640	6	9	41.40	42.73	80.	.10	1	67	9.0	4040	4040	10
SEP 14...	1100	6	9	41.01	42.34	80.	.10	1	37	9.6	--	4040	--

  

Date	Type of blank solution, code (99100)	Type of blank sample, code (99102)	Specif. conduc-tance, uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Oxi-dation re-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)
AUG 08...	80.00	100.00	377	7.8	-26	21.5	4.6	765	.9	7	200	64.8	8.97
SEP 14...	--	--	377	7.9	-48	10.1	4.5	756	.2	1	--	--	--

  

Date	Sodium, water, fltrd, mg/L (00930)	Potas-sium, water, fltrd, mg/L (00935)	Bicar-bonate, wat flt incrm, 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)
AUG 08...	3.16	.99	218	179	9.0	3.98	E.1	12.1	219	215	.118	1.08	1.11
SEP 14...	--	--	--	--	--	--	--	--	--	--	.119	1.09	1.28

  

Date	Total nitro-gen, wat unfltrd by anal ysis, mg/L (62855)	Ammonia water, fltrd, mg/L 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, unfltrd per mil (82082)	O-18 / O-16 ratio, unfltrd per mil (82085)	Organic carbon, water, fltrd, mg/L (00681)
AUG 08...	1.13	E.005	.013	.008	.006	11	274	-132	-16.49	2.2
SEP 14...	1.15	<.010	.010	.009	E.004	--	--	-130	-16.52	2.1