

QUALITY OF GROUND WATER

SOUTH-CENTRAL ALASKA

MATANUSKA-SUSITNA BOROUGH

613441149293301 -- SB01700108DBBC1020

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 10...	1310	6	9	2.97	4.97	40.	.10	1	185	--	4040	4040	--
SEP 14...	1620	6	9	1.47	3.47	40.	.10	1	58	8.9	--	4040	100

Date	Type of blank solution, code (99100)	Type of blank sample, code (99102)	Type of repli-cate, code (99105)	Specif. conduc-tance, wat unfltrd, uS/cm 25 degC (00095)	pH, water, 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)
AUG 10...	--	--	--	319	7.6	-21	--	5.9	765	2.3	18	150	50.3
SEP 14...	50.00	100.00	20.00	283	7.8	-48	16.0	6.3	757	1.2	10	--	--

Date	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, 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)
AUG 10...	6.86	6.39	1.23	142	117	7.4	21.5	E.1	12.2	189	179	.002	.623
SEP 14...	--	--	--	--	--	--	--	--	--	--	--	E.001	.313

Date	Total nitro-gen, wat flt by anal, mg/L (62854)	Total nitro-gen, wat unfltrd by anal, mg/L (62855)	Ammonia water, fltrd, as N mg/L (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 10...	.64	.66	<.010	.026	.025	.020	120	6.3	-128	-16.51	.9
SEP 14...	.33	.35	<.010	.029	.026	.017	--	--	-129	-16.51	.7