

Table 6. Laboratory Analysis for Wells with Detectable Hydrocarbons

This report was prepared by Sublette County Conservation District.
 Telephone: (307)367-2257 Website: www.sublettecountycd.com
 Address: P.O. Box 36, Pinedale, WY 82941

Well Id	Lab Code ID	Sample Collection Date	Sample Collection Time	Alkalinity, Total as CaCO3 (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	pH	Total Dissolved Solids @180 C	Calcium, SAR (meq/L)	Magnesium, SAR (meq/L)	Sodium, SAR (meq/L)
AMI132	C04120453-005	12/9/2004	12:45 PM	242	1.3	13	5.7	0	0	125	0	550		366	0.07	0	5.45
	C05081023-004	8/19/2005	2:15 PM	257	0.8	13	5.4	0	0	119	3	558		316	0.04	0	5.19
	C06090648-010	9/13/2006	4:40 PM	240	1	17	6.3	0	0	126	1	596		308	0.05	0	5.47
	C07080217-002	8/1/2007	1:45 PM	260	0.9	13	6.5	0	0	137	2	557		274	0	0	0
	C08070350-001	7/2/2008	12:45 PM	256	2.1	10	6	0	0	139	7	567	9.46	317	0.11	0	6.06
	C08070350-003	7/2/2008	12:50 PM	255	2.8	11	6.1	0	0.6	137	7	565	9.45	307	0.14	0	5.96
	C08071131-001	7/23/2008	11:30 AM	269	5.9	82	5.7	0.5	1.6	210	25	873	9.42	486	0.3	0.04	9.12
	C08071131-002	7/23/2008	11:00 AM	267	3.8	103	5.8	0	1.6	219	29	925	9.36	478	0.19	0	9.54

Well Id	Sodium Adsorption Ratio, SAR (unitless)	A/C Balance (-5)(%)	Anions (meq/L)	Cations (meq/L)	Solids, Total Dissolved Calculated (mg/L)	TDS Balance (0.80-1.20)	Non Polar Materials (SET_HEM) (mg/L)	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Notes	
AMI132	30.2	7.96	5.48	6.43	291	1.26	0									
	35.7	-4.54	5.86	5.35	296	1.07										0 = nondetect. TPH not taken.
	33.7	4.13	5.3	5.75	294	1.05										TPH not taken; 0 = ND (nondetect)
	34.3	0.897	5.91	6.02	314	0.87										0 = ND (Nondetect)
	26.3							8.8	0.346	0.76	1.8	8.9	4.4	100		0 = ND 'Nondetect'. Naphthalene ran later (invoice date of July 28th, 2008). Napthalene = 29 ug/L
	22.7							4.3	0.247	0.58	1.3	6.5	3.2	68		0 = ND 'Nondetect'. Naphthalene ran later (invoice date of July 28th, 2008). Napthalene = 36 ug/L
	22.2							380	241	6400	2500	25000	4900	34000		0 = ND 'Nondetect'. Napthalene = 590 ug/L
	29.2							210	143	7600	1600	17000	3300	34000		0 = ND 'Nondetect'. Napthalene = 0 ug/L

Well Id	Lab Code ID	Sample Collection Date	Sample Collection Time	Alkalinity, Total as CaCO3 (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	pH	Total Dissolved Solids @180 C	Calcium, SAR (meq/L)	Magnesium, SAR (meq/L)	Sodium, SAR (meq/L)
AMI140	C04110225-001	11/1/2004	4:15 PM	156	2.7	42	1.1	0	0.9	120	59	574		357	0.14	0	5.23
	C05100446-001	10/7/2005	11:25 AM	168	2.9	44	1	0.8	0.6	124	49	567		330	0.14	0.07	5.39
	C06090414-001	9/7/2006	3:30 PM														
	C06090306-001	9/7/2006	10:00 AM	162	4.3	67	0.4	1.5	0.7	122	54	699		384	0.22	0.12	5.3
	C06090793-001	9/18/2006	1:45 PM	197	19.8	21	3.2	1.5	0.8	107	36	548		322	0.99	0.13	4.66
	C07081675-010	8/28/2007	2:00 PM	155	4.7	64	1.2	2.4	0.6	127	50	591		328	0.24	0.2	5.51

Well Id	Sodium Adsorption Ratio, SAR (unitless)	A/C Balance (+-5)(%)	Anions (meq/L)	Cations (meq/L)	Solids, Total Dissolved Calculated (mg/L)	TDS Balance (0.80-1.20)	Non Polar Materials (SGT_HEM) (mg/L)	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	benzene (ug/L)	Ethylbenzene (ug/L)	m,p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Notes
AMI140	18.8	4.5	5.57	6.1	329	1.09	0								Lab had sample ID listed as 306AMF140HS
	16.6	0.064	5.64	5.65	330	1									0 = nondetect. TPH not taken.
									46	290	1200	16000	3000	4400	Qualifier D (reporting limit increased due to sample matrix interference) for each Volatile Organic Compound parameter and Organic Characteristic parameters.
	12.9						456	670							DRO surrogate diluted out. Qualifier for Diesel Range Organics (DRO) and Non-polar Materials (SGT-HEM) - reporting limit increased due to sample matrix interference.
	6.57	4.62	5.28	5.79	305	1.06	0	25	8.42	21	240	2300	560	640	0 = ND (nondetect). Xylenes: Total = 2800 ug/L Surr: 1,2-Dichlorobenzene-d4 = 99.0 %REC Surr: Dibromofluoromethane = 101 %REC Surr: p-Bromofluorobenzene = 98.0 %REC Surr: Toluene-d8 = 100 %REC. DRO surrogate diluted out, Qualifier D (Reporting limit increased due to sample matrix interference) on all Volatile Organic Compound parameters, Gasoline Range Organics (GRO), and Surr: Trifluorotoluene.
	11.8	4.08	5.96	6.46	352	0.93	0		0.149	1.2	2.1	22	4.2	3.5	0 = ND (Nondetect)

Well Id	Lab Code ID	Sample Collection Date	Sample Collection Time	Alkalinity, Total as CaCO3 (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	pH	Total Dissolved Solids @180 C	Calcium, SAR (meq/L)	Magnesium, SAR (meq/L)	Sodium, SAR (meq/L)
AMI149	C05050804-001	5/17/2005	1:30 PM	234	0.8	16	5.5	0	1.1	120	1	544		318	0.04	0	5.23
	C06070969-007	7/18/2006	10:30 AM	176	0.7	59	7.4	0	0	124	4	592		308	0	0	5.55
	C07100499-001	10/9/2007	10:15 AM	246	0.6	12	5.2	0	0	125	0	508	9.21	288	0.03	0	5.42
	C07110192-001	11/5/2007	10:05 AM	243	0.6	13	4.9	0	0	127	2	533	9.64	294	0.03	0	5.54
	C07110192-002	11/5/2007	1:30 PM	245	0.7	13	4.9	0	0	127	3	535	9.6	298	0.03	0	5.51
AMI160	C04110245-004	11/4/2004	3:20 PM	222	3.1	9	1.9	0	0.6	120	27	516		315	0.16	0	5.23
	C06090308-005	9/5/2006	2:50 PM	236	1	4	1.6	0	0.6	117	21	524		278	0.05	0	5.1
	C07051068-013	5/17/2007	2:30 PM	238	2.7	6	2.2	0	0	122	13	518	9.47	254	0.13	0	5.31
	C08060300-002	6/4/2008	10:45 AM	231	1.4	5	2.4	0	0	137	18	533	9.45	284	0.07	0	5.96
	C08070240-002	7/1/2008	1:45 PM	245	1.4	4	2.1	0	0	130	15	528		268	0.07	0	5.65

Well Id	Sodium Adsorption Ratio, SAR (unitless)	A/C Balance (-+5)(%)	Anions (meq/L)	Cations (meq/L)	Solids, Total Dissolved Calculated (mg/L)	TDS Balance (0.80-1.20)	Non Polar Materials (SGT_HEM) (mg/L)	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	benzene (ug/L)	Ethylbenzene (ug/L)	m,p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Notes
AMI149	36.7	-1.37	5.45	5.31	296	1.07	0								0 = Non Detect
	41.1	-2.07	5.65	5.42	312	0.99									0 = ND (nondetect) TPH not taken
	45.7	-0.786	5.55	5.46	291	0.99	0	0	0.101	4.8	0	0	0	27	0 = ND 'Nondetect'. See attached chromatograph, attached to filed lab data.
	44.6	2.99	5.26	5.58	289	1.02	0	0	0.051	5.2	0	0	0	13	0 = ND 'Nondetect'. Chromatograph attached to data.
	42.6	2.29	5.31	5.55	290	1.03	0	0	0.052	4.8	0	0	0	13	0 = ND 'Nondetect'. Chromatograph attached to data.
AMI160	17	2.15	5.37	5.6	302	1.04	0								
	32	-1.84	5.37	5.17	297	0.94									TPH not taken
	19.6	1.72	5.29	5.47	289	0.88	0								pH=9.47 s.u., 0=ND (nondetect)
	29.9							0	0.165						0 = ND 'Nondetect'. The lab's analytical report for the temperature blank that was sent with this sample read "ND" - 0.0 was entered.
	30.7							0	0.208	1.3	4.6	57	10	0.98	0 = ND 'Nondetect'.

Well Id	Lab Code ID	Sample Collection Date	Sample Collection Time	Alkalinity, Total as CaCO3 (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	pH	Total Dissolved Solids @180 C	Calcium, SAR (meq/L)	Magnesium, SAR (meq/L)	Sodium, SAR (meq/L)
AMI162	C05060634-006	6/13/2005	11:15 AM	123	1.1	39	8.8	0	0	117	54	548		355	0.06	0	5.08
	C05060634-008	6/13/2005	11:30 AM	124	1	31	9	0	0	115	53	549		338	0.05	0	5.01
	C06050638-002	5/9/2006	1:40 PM	130	1	33	1	0	0	114	56	534		286	0.05	0	4.98
	C07041161-001	4/23/2007	11:30 AM	126	1.3	32	11.7	0	0	112	60	558		300	0.06	0	4.87
	C08061334-002	6/26/2008	11:35 AM	128	1.1	32	9.6	0	0	125	60	545	9.6	293	0.05	0	5.43
	C08061334-003	6/26/2008	11:30 AM	129	1	32	9.6	0	0	123	60	546	9.57	300	0.05	0	5.35
	C08071131-004	7/23/2008	9:15 AM	128	1	32	10	0	0	123	63	548	9.78	282	0.05	0	5.33
AMI186	C05060634-001	6/14/2005	10:15 AM	123	2.2	231	8.9	0	0	212	5	1070		580	0.11	0	9.23
	C06060299-001	6/2/2006	3:15 PM	126	1.6	235	4.6	0	0.9	218	4	1050		514	0.08	0	9.5
	C06100108-001	9/29/2006	3:20 PM	124	1.8	242	9.6	0	0.9	223	2	1090		568	0.09	0	9.7
	C06100344-003	10/4/2006	10:55 AM	126	1.9	228	9.6	0	0.8	217	2	1040		536	0.1	0	9.44
	C07081675-009	8/29/2007	10:44 AM	126	2.2	258	11.5	0	0.8	226	3	1140		562	0.11	0	9.84
AMI187	C07050696-001	5/10/2007	10:30 AM	218	0.5	38	11.5	0	0	132	4	624	9.88	310	0.03	0	5.73
	C07060539-001	6/8/2007	10:15 AM	212	0.7	36	11.2	0	0	137	3	608	9.86	328	0.04	0	5.94

Well Id	Sodium Adsorption Ratio, SAR (unitless)	A/C Balance (-5)C%	Anions (meq/L)	Cations (meq/L)	Solids, Total Dissolved Calculated (mg/L)	TDS Balance (0.80-1.20)	Non Polar Materials (SGT_HEM) (mg/L)	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	benzene (ug/L)	Ethylbenzene (ug/L)	m,p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Notes
AMI162	28.5	0.428	5.15	5.19	305	1.16	0								0 = Nondetect
	31.3	1.26	4.95	5.08	295	1.15	0								0 = Nondetect
	31.3	3.11	4.74	5.05	295	0.97	0								0 = Nondetect (ND)
	27.4	-3.25	5.28	4.95	303	0.99									0 = ND (nondetect)
	33.2							1.4	0						0 = ND 'Nondetect'.
	33.9							0	0						0 = ND 'Nondetect'.
	33.4							0	0	0	0	0	0	0	0 = ND 'Nondetect'.
AMI186	36.9	-0.797	9.56	9.41	543	1.07	0								0 = Nondetect
	43.3	2.13	9.22	9.62	544	0.94									0 = Nondetect (ND). TPH not taken
	43.1	-0.054	9.86	9.85	554	1.03	22	38	0.358	3.4	3.8	54	12	27	0 = ND (nondetect); DRO surrogate diluted out.
	42	0.26	9.52	9.57	544	0.99	0	0	0	0	0	3.6	0.75	2.4	0 = ND (nondetect)
	42.4	0.619	9.85	9.97	574	0.98	0		0	0	0	0	0	0.91	0 = ND (Nondetect)
AMI187	49.8	-2.68	6.09	5.77	316	0.98	70		0	2.9	0	0	0	0	0=Nondetect (ND). pH=9.88s.u.
	43.7	0.973	5.91	6.03	330	0.99	53		0.078	25	0	0	0	1.3	0=ND (Nondetect).pH=9.86 s.u.

Well Id	Lab Code ID	Sample Collection Date	Sample Collection Time	Alkalinity, Total as CaCO3 (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	pH	Total Dissolved Solids @180 C	Calcium, SAR (meq/L)	Magnesium, SAR (meq/L)	Sodium, SAR (meq/L)
AMI198	C05051016-006	5/25/2005	10:00 AM	168	1	66	6.9	0	0	119	2	597		300	0.05	0	5.18
	C06070969-006	7/19/2006	2:50 PM	116	45.6	107	6	0.8	2.5	293	455	1020		614	2.49	0	14.6
	C07050727-012	5/10/2007	2:00 PM	166	0.9	68	6.9	0	0.5	134	5	623	9.58	304	0.05	0	5.82
	C08060781-003	6/13/2008	1:00 PM	138	6.4	326	6	1.2	1.7	343	206	1670	9.49	994	0.32	0.1	14.9
	C08070865-002	7/17/2008	12:15 PM	170	7	41	6.6	2.5	2.2	149	45	610	9.52	354	0.35	0.21	6.47
AMI199	C05070903-002	7/21/2005	11:45 AM	194	1.8	13	1.3	0	0	167	142	788		466	0.09	0	7.27
	C06100150-007	9/30/2006	1:22 PM	191	2.3	15	1.1	0	0.6	187	203	853		516	0.11	0	8.11
	C07071078-001	7/19/2007	11:20 AM	190	2.1	17	0.9	0	0.6	239	296	1060		634	0.1	0	10.4
	C07080568-001	8/6/2007	1:30 PM	194	2.5	16	1.1	0	0.6	205	221	897		508	0.13	0	8.91
AMI209	C05070297-004	7/6/2005	1:00 PM	171	3.6	27	4.5	2.2	0.9	166	147	776		448	0.18	0.18	7.22
	C06070969-014	7/17/2006	2:45 PM	150	1.9	22	4.1	0	0.6	157	178	774		422	0.09	0	6.81
	C07051131-001	5/22/2007	12:30 PM	160	1.8	19	2.6	0.8	0.6	161	183	814		422	0.09	0.07	6.99
	C08060391-004	6/5/2008	2:00 PM	146	1.7	18	2.7	0	0	184	189	792	9.8	447	0.09	0	8.02
	C08070240-001	7/1/2008	10:45 AM	152	2.3	16	1.7	0	0	189	210	824		474	0.11	0	8.2

Well Id	Sodium Adsorption Ratio, SAR (unitless)	A/C Balance (-5)C(%)	Anions (meq/L)	Cations (meq/L)	Solids, Total Dissolved Calculated (mg/L)	TDS Balance (0.80-1.20)	Non Polar Materials (SGT_HEM) (mg/L)	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	benzene (ug/L)	Ethylbenzene (ug/L)	m,p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Notes
AMI198	0.13	-2.79	5.61	5.31	307	0.98	0								0=NonDetect
	11.8	0.058	15.1	15.1	979	0.63									0 = ND (nondetect). TPH not taken.
	38.8	1.48	5.71	5.89	325	0.94	0								pH=9.58 s.u., 0=ND (nondetect)
	32.5							0	0.056						0 = ND 'Nondetect'.
	12.2							0	0	1	0	0.94	0	1	0 = ND 'Nondetect'.
AMI199	32.7	0.842	7.25	7.37	449	1.04	0								0 = nondetect
	32.7	-1.53	8.52	8.26	531	0.97									TPH not taken; 0 = ND (nondetect)
	29.4	0.388	10.5	10.6	676	0.94	0		0	0	0	0.89	0	0	0 = ND (nondetect)
	34.2	0.539	8.98	9.08	570	0.89	0		0	0	0	0	0	0.79	0 = ND (Nondetect)
AMI209	17.1	0.889	7.47	7.6	472	0.95	0								0 = nondetect
	28	-3.3	7.55	7.07	457	0.92									0 = ND (nondetect) TPH not taken
	25	-2.77	7.68	7.26	466	0.91	0								0 = ND (nondetect)
	35.4							2	0.169						0 = ND 'Nondetect'.
	31.8							0	0.311	0	0	2.2	0.52	85	0 = ND 'Nondetect'.

Well Id	Lab Code ID	Sample Collection Date	Sample Collection Time	Alkalinity, Total as CaCO3 (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	pH	Total Dissolved Solids @180 C	Calcium, SAR (meq/L)	Magnesium, SAR (meq/L)	Sodium, SAR (meq/L)
AMI210	C05070297-003	7/6/2005	10:30 AM	187	1	104	9.2	0	0	152	0	694		376	0.05	0	6.63
	C06070969-013	7/17/2006	11:00 AM	164	0.9	97	7.7	0	0	140	0	687		334	0.04	0	6.09
	C07050727-008	5/11/2007	1:45 PM	170	0.8	98	8.4	0	0	145	0	742	9.8	342	0.04	0	6.32
	C08060106-002	5/29/2008	11:30 AM	155	1.1	96	8.2	0	0	161	2	667	9.36	363	0.05	0	7
AMI233	C05070297-002	7/5/2005	2:00 PM	148	1.3	37	7.5	0	0	131	61	597		366	0.07	0	5.69
	C06070468-002	7/11/2006	11:00 AM	129	1.2	39	7.2	0	0	115	73	592		344	0.06	0	5.02
	C07050495-001	5/8/2007	10:00 AM	142	1.5	36	8.3	0	0	126	68	627		352	0.07	0	5.48
	C08060781-001	6/13/2008	10:15 AM	135	1.9	32	6.6	0	0	140	74	560	8.52	342	0.1	0	6.07
	C08070865-001	7/17/2008	1:30 PM	143	2	33	6.9	0	0	142	71	597	8.76	363	0.1	0	6.19

Well Id	Sodium Adsorption Ratio, SAR (unitless)	A/C Balance (-+5)(%)	Anions (meq/L)	Cations (meq/L)	Solids, Total Dissolved Calculated (mg/L)	TDS Balance (0.80-1.20)	Non Polar Materials (SGT_HEM) (mg/L)	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	benzene (ug/L)	Ethylbenzene (ug/L)	m,p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Notes
AMI210	35.7	-0.922	7.17	7.03	381	0.99	0								0 = nondetect
	41	-0.917	6.42	6.3	345	0.97									0 = ND (nondetect) TPH not taken
	44.9	2.14	6.59	6.88	356	0.96									pH=9.8 s.u., 0=ND (nondetect)
	42.4							0	0.055						0 = ND 'Nondetect'.
AMI233	28.6	1.26	5.67	5.82	336	1.09	0								0 = nondetect
	29	-4.51	5.57	5.09	313	1.1									0 = ND (nondetect) TPH not taken
	27.3	-1.13	5.7	5.57	325	1.08	0								0=Nondetect (ND)
	25.9							0	0.347						0 = ND 'Nondetect'.
	26.6							0	0.28	0	0	0	0	2.3	0 = ND 'Nondetect'.

Well Id	Lab Code ID	Sample Collection Date	Sample Collection Time	Alkalinity, Total as CaCO3 (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	pH	Total Dissolved Solids @180 C	Calcium, SAR (meq/L)	Magnesium, SAR (meq/L)	Sodium, SAR (meq/L)
AMI235	C05051016-007	5/25/2005	10:30 AM	188	4.7	31	5.7	0	0	193	201	987		586	0.24	0	8.37
	C06081330-005	8/23/2006	11:15 AM	246	26.9	26	0.5	1.7	2.1	596	1080	3810		2500	1.34	0.14	25.9
	C06100786-001	10/13/2006	2:40 PM	245	34.8	26	0.4	1.1	2.1	803	1490	3840	8.32	2660	1.74	0.09	34.9
	C06100766-001	10/13/2006	2:35 PM	253	35.3	27	0.4	1.1	2.2	865	1540	3850		2670	1.76	0.09	37.6
	C06110088-001	10/30/2006	2:25 PM	260	38.1	26	0.3	1.3	2.5	854	1540	3810		2580	1.91	0.11	35.9
	C07070517-001	7/10/2007	2:07 PM	262	39.8	27	0.5	1.5	2.2	874	1620	3760	8.27	2610	1.99	0.12	37
	C07070517-002	7/10/2007	2:10 PM	262	38.3	26	0.5	1.5	2.3	855	1550	3740	8.24	2540	1.91	0.12	35.6

Well Id	Sodium Adsorption Ratio, SAR (unitless)	A/C Balance (-5)C(%)	Anions (meq/L)	Cations (meq/L)	Solids, Total Dissolved Calculated (mg/L)	TDS Balance (0.80-1.20)	Non Polar Materials (SGT_HEM) (mg/L)	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	benzene (ug/L)	Ethylbenzene (ug/L)	m,p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Notes
AMI235	0.35	-2.59	9.1	8.64	558	1.05	0								0=NonDetect
	30.1	-1.18	28.1	27.5	1880	1.33	21								- The ion balance was affected by the presence of clay particles less than one micromole. An additional Solids, Total Dissolved TDS @ 180 C read 2570 mg/L with analysis performed past recommended holding time. The Qualifier D (- Reporting Limit increased due to sample matrix interference) was on Sodium, Sulfate and Sodium SAR.
	36.5	0.217	36.6	36.8	2500	1.06	0	0	0	0	0	0	0	1.8	0 = ND (nondetect). pH 8.32 s.u.
	39.1	2.11	37.9	39.5	2620	1.02	0	0	0	0	0	0	0	1.7	0 = ND (nondetect).
	37.1	1.58	38	39.2	2630	0.98	0	0	0	0	0	0	0	1	VOLATILE ORGANIC COMPOUNDS: Xylenes Total: ND
	37	0.774	39.7	40.3	2730	0.96	0		0	0	0	0	0	0	0=ND Nondetect
	36.9	1.44	38.3	39.4	2640	0.96	0		0	0	0	0	0	0	0=ND Nondetect

Well Id	Lab Code ID	Sample Collection Date	Sample Collection Time	Alkalinity, Total as CaCO3 (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	pH	Total Dissolved Solids @180 C	Calcium, SAR (meq/L)	Magnesium, SAR (meq/L)	Sodium, SAR (meq/L)
AMI237	C06070608-009	7/12/2006	3:40 PM	196	0.7	10	4.3	0	0	101	0	450		246	0.03	0	4.37
	C07060253-004	6/1/2007	9:30 AM	206	1.6	9	4.4	0.6	0.8	98.3	0	463		210	0.08	0.05	4.27
	C07061317-001	6/25/2007	11:00 AM	207	0.8	10	5	0	0	101	0	461	9.93	252	0.04	0	4.39
	C07071202-001	7/24/2007	10:30 AM	179	0.6	44	6.9	0	0	118	3	511		246	0.03	0	5.11
	C08060106-001	5/29/2008	12:00 PM	194	0.7	8	4.4	0	0	114	1	443	9.5	359	0.04	0	4.96
AMI252	C06070468-003	7/11/2006	12:30 PM	230	1.1	14	4.9	0	0	109	0	518		304	0.05	0	4.72
	C06071144-002	7/21/2006	4:05 PM	241	0.7	11	4.8	0	0	112	0	515		290	0.04	0	4.87
	C06071156-003	7/21/2006	4:10 PM	234	0.7	12	4.7	0	0	114	0	516		284	0.04	0	4.94
	C06071144-001	7/25/2006	9:40 AM	230	0.7	10	4.6	0	0	107	0	506		284	0.03	0	4.65
	C07071398-001	7/27/2007	10:50 AM	245	1.5	17	6.3	0	0	125	0	548	9.81	268	0.07	0	5.42
	C07071398-002	7/27/2007	10:15 AM	243	1.5	18	6.3	0	0.6	122	0	552	9.83	274	0.08	0	5.28
	C07081125-001	8/17/2007	1:20 PM	243	1.4	17	6.4	0	0	132	0	533		286	0.07	0	5.75

Well Id	Sodium Adsorption Ratio, SAR (unitless)	A/C Balance (-5)C%	Anions (meq/L)	Cations (meq/L)	Solids, Total Dissolved Calculated (mg/L)	TDS Balance (0.80-1.20)	Non Polar Materials (SGT_HEM) (mg/L)	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	benzene (ug/L)	Ethylbenzene (ug/L)	m,p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Notes
AMI237	33.3	0.352	4.42	4.46	244	1.01									0 = ND (nondetect). TPH not taken.
	16.8	-2.06	4.61	4.42	239	0.88	0		0.696	85	2.4	18	2.5	95	0=ND (Nondetect).
	27.9	-2.61	4.69	4.45	242	1.04	0		0.648	77	2.4	18	2.4	92	0=ND
	41.7	-0.939	5.25	5.15	280	0.88	0		0.265	34	1	7.5	1.1	37	0=ND Nondetect
	36.3							0	0.761						0 = ND 'Nondetect'.
AMI252	29.1	-4.76	5.26	4.78	267	1.14	20	49							0 = ND (nondetect);DRO surrogate diluted out
	36.2	-4.41	5.36	4.91	273	1.06		0							0 = ND (nondetect);
	36.2	-2.58	5.25	4.99	280	1.01	0								0 = Nondetect
	36.3	-4.6	5.14	4.69	261	1.09		0	0						0 = ND (nondetect); TPH not taken;
	28.4	1.13	5.71	5.84	299	0.9	0	1.1	0.104	0	0	0	0	27	0=ND Nondetect.
	26.9	-1.17	5.68	5.55	294	0.93	0		0.206	0.81	0	0.71	0	55	0=ND Nondetect. Diesel Range Organics (DRO): 1.7 mg/L, surr: o-Terphenyl 94% REC.
	28.9	1.46	5.68	5.85	304	0.94	0	0	0.188	0	0	1	0	44	0 = ND (Nondetect). Chromatograph filed with lab data.

Well Id	Lab Code ID	Sample Collection Date	Sample Collection Time	Alkalinity, Total as CaCO3 (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	pH	Total Dissolved Solids @180 C	Calcium, SAR (meq/L)	Magnesium, SAR (meq/L)	Sodium, SAR (meq/L)
AMI261	C06070608-004	7/13/2006	11:45 AM	276	1.1	3	3.1	0	1	134	14	618		332	0.06	0	5.83
	C07050516-001	5/7/2007	11:00 AM	294	0.7	2	3.9	0	0	150	18	641	9.42	350	0.04	0	6.51
	C07060539-002	6/8/2007	12:33 PM	300	1	2	3.1	0	0	153	19	634	9.36	350	0.05	0	6.65
	C08050391-003	5/5/2008	10:25 AM	293	0.9	2	3.1	0	0.5	156	8	601	9.59	328	0.04	0	6.79
AMI270	C06110609-001	11/9/2006	4:45 PM	169	2.3	11	0.5	0	0.5	159	156	747		420	0.11	0	6.91
	C07100970-001	10/17/2007	11:40 AM	182	1.8	7	0.5	0	0.5	158	137	734		444	0.09	0	6.85
AMI285	C07051068-002	5/18/2007	10:25 AM	164	1.7	129	9.3	0	0.5	190	19	843	9.33	408	0.09	0	8.25
	C08051277-005	5/28/2008	9:30 AM	157	1.5	121	9.4	0	0	180	11	754	9.19	416	0.07	0	7.82
AS014	C07070077-001	6/29/2007	12:30 PM	62	7.9	13	0.9	0	0.6	320	572	1580		960	0.4	0	13.9
	C08070240-003	7/1/2008	10:15 AM	66	9.5	12	0.7	0	0.8	342	628	1520		937	0.48	0	14.9
	C08080054-001	7/31/2008	10:30 AM	64	9.3	12	0.8	0	0.7	340	621	1550	8.75	970	0.47	0	14.8
	C08080054-002	7/31/2008	10:40 AM	62	9.6	12	0.8	0	0.7	353	627	1550	8.69	990	0.48	0	15.3

Well Id	Sodium Adsorption Ratio, SAR (unitless)	A/C Balance (-5)C%	Anions (meq/L)	Cations (meq/L)	Solids, Total Dissolved Calculated (mg/L)	TDS Balance (0.80-1.20)	Non Polar Materials (SGT_HEM) (mg/L)	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	benzene (ug/L)	Ethylbenzene (ug/L)	m,p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Notes
AMI261	33.4	-0.594	6.06	5.99	322	1.03	0								0 = ND (nondetect)
	48.6	0.379	6.51	6.56	351	1	0		0	0.51	0	0	0	0	0=Nondetect. pH=9.42 s.u.
	42.4	0.867	6.61	6.72	361	0.97	0		0	0	0	0	0	0	0=ND (Nondetect). pH=9.36 s.u.
	45.9							0	0						0 = ND 'Nondetect'.
AMI270	29	0.499	6.97	7.04	431	0.97		0	0	0	0	0	0	1.6	0 = Nondetect
	32.5	1.71	6.72	6.95	414		0								0 = ND 'Nondetect'.
AMI285	39.9	3.47	7.79	8.35	447	0.91	0								pH=9.33 s.u., 0=ND (nondetect)
	40.6							0	0.045						0 = ND 'Nondetect'.
AS014	31	2.73	13.6	14.3	951	1.01	0								0 = ND (nondetect)
	29.9							0	0	0	0	0	0	13	0 = ND 'Nondetect'.
	29.9							0	0	0	0	0	0	0.79	0 = ND 'Nondetect'.
	30.7							0	0	0	0	0	0	0.84	0 = ND 'Nondetect'.

Well Id	Lab Code ID	Sample Collection Date	Sample Collection Time	Alkalinity, Total as CaCO3 (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	pH	Total Dissolved Solids @180 C	Calcium, SAR (meq/L)	Magnesi um, SAR (meq/L)	Sodium, SAR (meq/L)
---------	-------------	------------------------------	------------------------------	--	-------------------	--------------------	--------------------	---------------------	---------------------	------------------	-------------------	----------------------------	----	-------------------------------------	----------------------------	-------------------------------	------------------------

Well Id	Sodium Adsorption Ratio, SAR (unitless)	A/C Balance (-5)C%	Anions (meq/L)	Cations (meq/L)	Solids, Total Dissolved Calculated (mg/L)	TDS Balance (0.80-1.20)	Non Polar Materials (SGT_HEM) (mg/L)	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	benzene (ug/L)	Ethyl-benzene (ug/L)	m,p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Notes
---------	---	--------------------	----------------	-----------------	---	-------------------------	--------------------------------------	------------------------------	--------------------------------	----------------	----------------------	--------------------	-----------------	----------------	-------

Disclaimer

The Sublette County Conservation District shall not be held liable for improper or incorrect use of the data described and/or contained herein. These data are not legal documents and are not intended to be used as such. The information contained in the data is dynamic and changes over time. It is the responsibility of the data user to use the data appropriately and consistently within the limits of the data.

The Sublette County Conservation District provides no warranty, expressed or implied, as to the accuracy, reliability, or completeness of the data. Although these data have been processed successfully on a computer system at the Sublette County Conservation District offices, no warranty expressed or implied is made regarding the utility of the data on another system or for general or scientific purposes, nor shall the act of distribution constitute any such warranty. This disclaimer applies both to individual use of the data and consolidated use with other data.