Appendix C

Task 1 and 2 Groundwater Sample Laboratory Analytical Reports

Task 1 Laboratory Analytical Results

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703020

ACZ Sample ID: ***L63410-03***
Date Sampled: *06/22/07 08:50*
Date Received: *06/23/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	94.0			mg/L	0.2	1	06/29/07 21:34	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/29/07 21:34	msh
Magnesium, dissolved	M200.7 ICP	58.8			mg/L	0.2	1	06/29/07 21:34	msh
Potassium, dissolved	M200.7 ICP	3.4			mg/L	0.3	2	06/29/07 21:34	msh
Selenium, dissolved	M200.8 ICP-MS	0.0176			mg/L	0.0001	0.0005	06/26/07 21:00	jjr
Sodium, dissolved	M200.7 ICP	169			mg/L	0.3	2	06/29/07 21:34	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		665			mg/L	2	20	06/26/07 0:00	aeh/jlf
Carbonate as CaCO3			U		mg/L	2	20	06/26/07 0:00	aeh/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/26/07 0:00	aeh/jlf
Total Alkalinity		665			mg/L	2	20	06/26/07 0:00	aeh/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		3.0			%			07/19/07 0:00	calc
Sum of Anions		16.0			meq/L	0.1	0.5	07/19/07 0:00	calc
Sum of Cations		17.0			meq/L	0.1	0.5	07/19/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	8	B	*	mg/L	3	10	07/11/07 10:53	jlf
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	0.5	3	07/11/07 10:53	jlf
Hardness as CaCO3	SM2340B - Calculation	477			mg/L	1	7	07/19/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	9.9		*	mg/L	0.1	0.5	06/28/07 23:03	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.1	H		units	0.1	0.1	06/26/07 0:00	aeh/jlf
pH measured at		21.0			C	0.1	0.1	06/26/07 0:00	aeh/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	900			mg/L	10	20	06/27/07 15:29	seb
Sulfate	300.0 - Ion Chromatography	119			mg/L	3	10	07/11/07 10:53	jlf
TDS (calculated)	Calculation	851			mg/L	10	50	07/19/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.06						07/19/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703024

ACZ Sample ID: ***L63410-04***
Date Sampled: *06/22/07 10:03*
Date Received: *06/23/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	88.1			mg/L	0.2	1	06/29/07 21:46	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/29/07 21:46	msh
Magnesium, dissolved	M200.7 ICP	61.6			mg/L	0.2	1	06/29/07 21:46	msh
Potassium, dissolved	M200.7 ICP	3.6			mg/L	0.3	2	06/29/07 21:46	msh
Selenium, dissolved	M200.8 ICP-MS	0.0114			mg/L	0.0001	0.0005	06/26/07 21:06	jjr
Sodium, dissolved	M200.7 ICP	114			mg/L	0.3	2	06/29/07 21:46	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		499			mg/L	2	20	06/26/07 0:00	aeh/jlf
Carbonate as CaCO3			U		mg/L	2	20	06/26/07 0:00	aeh/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/26/07 0:00	aeh/jlf
Total Alkalinity		499			mg/L	2	20	06/26/07 0:00	aeh/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		0.3			%			07/19/07 0:00	calc
Sum of Anions		14.5			meq/L	0.1	0.5	07/19/07 0:00	calc
Sum of Cations		14.6			meq/L	0.1	0.5	07/19/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	10	B		mg/L	10	50	07/10/07 16:40	jlf
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	2	10	07/10/07 16:40	jlf
Hardness as CaCO3	SM2340B - Calculation	473			mg/L	1	7	07/19/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	2.91		*	mg/L	0.02	0.1	06/28/07 22:45	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.1	H		units	0.1	0.1	06/26/07 0:00	aeh/jlf
pH measured at		21.0			C	0.1	0.1	06/26/07 0:00	aeh/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	770			mg/L	10	20	06/27/07 15:31	seb
Sulfate	300.0 - Ion Chromatography	200			mg/L	10	50	07/10/07 16:40	jlf
TDS (calculated)	Calculation	777			mg/L	10	50	07/19/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.99						07/19/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703083

ACZ Sample ID: ***L63162-02***
Date Sampled: *06/08/07 16:52*
Date Received: *06/13/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.11		*	mg/L	0.03	0.05	06/25/07 22:30	scp
Calcium, dissolved	M200.7 ICP	42.9			mg/L	0.4	2	06/20/07 23:19	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.04	0.1	06/20/07 23:19	djt
Magnesium, dissolved	M200.7 ICP	3.1		*	mg/L	0.4	2	06/20/07 23:19	djt
Potassium, dissolved	M200.7 ICP	1.9	B		mg/L	0.6	3	06/20/07 23:19	djt
Sodium, dissolved	M200.7 ICP	739			mg/L	0.6	3	06/20/07 23:19	djt
Strontium, dissolved	M200.7 ICP	1.70			mg/L	0.02	0.1	06/20/07 23:19	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		378			mg/L	2	20	06/18/07 0:00	cas
Carbonate as CaCO3		16	B		mg/L	2	20	06/18/07 0:00	cas
Hydroxide as CaCO3			U		mg/L	2	20	06/18/07 0:00	cas
Total Alkalinity		394		*	mg/L	2	20	06/18/07 0:00	cas
Bromide	M300.0 - Ion Chromatography	3	B	*	mg/L	2	10	06/18/07 13:53	jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-6.2			%			06/26/07 0:00	calc
Sum of Anions		39.6			meq/L	0.1	0.5	06/26/07 0:00	calc
Sum of Cations		35.0			meq/L	0.1	0.5	06/26/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	370			mg/L	10	50	06/18/07 13:53	jlf
Fluoride	M300.0 - Ion Chromatography	2.2		*	mg/L	0.1	0.5	06/14/07 22:15	jlf
Hardness as CaCO3	SM2340B - Calculation	120			mg/L	1	7	06/26/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U		mg/L	0.02	0.1	06/16/07 16:29	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.4	H		units	0.1	0.1	06/18/07 0:00	cas
pH measured at		21.0			C	0.1	0.1	06/18/07 0:00	cas
Residue, Filterable (TDS) @180C	160.1 / SM2540C	2400			mg/L	10	20	06/14/07 11:31	aeh
Sulfate	300.0 - Ion Chromatography	1010		*	mg/L	10	50	06/18/07 13:53	jlf
TDS (calculated)	Calculation	2420			mg/L	10	50	06/26/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.99						06/26/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID:
Sample ID: 703183

ACZ Sample ID: ***L63426-01***
Date Sampled: *06/23/07 10:12*
Date Received: *06/26/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	11.0			mg/L	0.2	1	07/02/07 22:38	msh
Iron, dissolved	M200.7 ICP	0.10			mg/L	0.02	0.05	07/04/07 0:54	msh
Magnesium, dissolved	M200.7 ICP	5.0			mg/L	0.2	1	07/02/07 22:38	msh
Potassium, dissolved	M200.7 ICP	1.1	B		mg/L	0.3	2	07/02/07 22:38	msh
Selenium, dissolved	M200.8 ICP-MS	0.0148			mg/L	0.0001	0.0005	06/26/07 22:30	jjr
Sodium, dissolved	M200.7 ICP	318		*	mg/L	0.3	2	07/02/07 22:38	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		649			mg/L	2	20	06/28/07 0:00	lcp/jlf
Carbonate as CaCO3		12	B		mg/L	2	20	06/28/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/28/07 0:00	lcp/jlf
Total Alkalinity		660			mg/L	2	20	06/28/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		0.3			%			07/13/07 15:25	calc
Sum of Anions		14.9			meq/L	0.1	0.5	07/13/07 15:25	calc
Sum of Cations		15.0			meq/L	0.1	0.5	07/13/07 15:25	calc
Chloride	M300.0 - Ion Chromatography	14.1			mg/L	0.5	3	07/11/07 15:25	jlf
Fluoride	M300.0 - Ion Chromatography	3.8		*	mg/L	0.1	0.5	07/11/07 15:25	jlf
Hardness as CaCO3	SM2340B - Calculation	48			mg/L	1	7	07/13/07 15:25	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.87			mg/L	0.02	0.1	07/05/07 21:28	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.3	H		units	0.1	0.1	06/28/07 0:00	lcp/jlf
pH measured at		20.0			C	0.1	0.1	06/28/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	840			mg/L	10	20	06/28/07 15:30	aeh
Sulfate	300.0 - Ion Chromatography	52.4			mg/L	0.5	3	07/11/07 15:25	jlf
TDS (calculated)	Calculation	807			mg/L	10	50	07/13/07 15:25	calc
TDS (ratio - measured/calculated)	Calculation	1.04						07/13/07 15:25	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703226

ACZ Sample ID: ***L63410-11***
Date Sampled: *06/21/07 14:55*
Date Received: *06/23/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	56.8			mg/L	0.2	1	06/29/07 22:24	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/29/07 22:24	msh
Magnesium, dissolved	M200.7 ICP	70.9			mg/L	0.2	1	06/29/07 22:24	msh
Potassium, dissolved	M200.7 ICP	2.9			mg/L	0.3	2	06/29/07 22:24	msh
Selenium, dissolved	M200.8 ICP-MS	0.0216			mg/L	0.0001	0.0005	06/26/07 21:56	jjr
Sodium, dissolved	M200.7 ICP	146			mg/L	0.3	2	06/29/07 22:24	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		476			mg/L	2	20	06/26/07 0:00	aeh/jlf
Carbonate as CaCO3		16	B		mg/L	2	20	06/26/07 0:00	aeh/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/26/07 0:00	aeh/jlf
Total Alkalinity		492			mg/L	2	20	06/26/07 0:00	aeh/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		2.4			%			07/19/07 0:00	calc
Sum of Anions		14.5			meq/L	0.1	0.5	07/19/07 0:00	calc
Sum of Cations		15.2			meq/L	0.1	0.5	07/19/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	110		*	mg/L	10	50	07/10/07 19:41	jlf
Fluoride	M300.0 - Ion Chromatography	0.4	B	*	mg/L	0.1	0.5	07/11/07 13:00	jlf
Hardness as CaCO3	SM2340B - Calculation	433			mg/L	1	7	07/19/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	3.33		*	mg/L	0.02	0.1	06/28/07 23:01	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.3	H		units	0.1	0.1	06/26/07 0:00	aeh/jlf
pH measured at		20.0			C	0.1	0.1	06/26/07 0:00	aeh/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	760			mg/L	10	20	06/27/07 15:49	seb
Sulfate	300.0 - Ion Chromatography	72.7			mg/L	0.5	3	07/11/07 13:00	jlf
TDS (calculated)	Calculation	761			mg/L	10	50	07/19/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.00						07/19/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: L/01
Sample ID: 703248

ACZ Sample ID: ***L63269-09***
Date Sampled: *06/14/07 16:55*
Date Received: *06/16/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	53.8			mg/L	0.2	1	06/27/07 18:40	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/27/07 18:40	djt
Magnesium, dissolved	M200.7 ICP	28.4			mg/L	0.2	1	06/27/07 18:40	djt
Potassium, dissolved	M200.7 ICP	4.8			mg/L	0.3	2	06/27/07 18:40	djt
Selenium, dissolved	M200.8 ICP-MS	0.0035			mg/L	0.0001	0.0005	06/19/07 15:04	jjr
Sodium, dissolved	M200.7 ICP	81.0		*	mg/L	0.3	2	06/27/07 18:40	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		391			mg/L	2	20	06/23/07 0:00	cas
Carbonate as CaCO3			U		mg/L	2	20	06/23/07 0:00	cas
Hydroxide as CaCO3			U		mg/L	2	20	06/23/07 0:00	cas
Total Alkalinity		391			mg/L	2	20	06/23/07 0:00	cas
Cation-Anion Balance	Calculation								
Cation-Anion Balance		0.0			%			07/05/07 0:00	calc
Sum of Anions		8.7			meq/L	0.1	0.5	07/05/07 0:00	calc
Sum of Cations		8.7			meq/L	0.1	0.5	07/05/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	8.8			mg/L	0.5	3	06/27/07 17:51	jlf
Fluoride	M300.0 - Ion Chromatography	1.4		*	mg/L	0.1	0.5	06/27/07 17:51	jlf
Hardness as CaCO3	SM2340B - Calculation	251			mg/L	1	7	07/05/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.93		*	mg/L	0.02	0.1	06/22/07 22:27	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.2	H		units	0.1	0.1	06/21/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	06/21/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	470			mg/L	10	20	06/21/07 10:49	seb
Sulfate	300.0 - Ion Chromatography	29.0			mg/L	0.5	3	06/27/07 17:51	jlf
TDS (calculated)	Calculation	442			mg/L	10	50	07/05/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.06						07/05/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703256

ACZ Sample ID: ***L63250-02***
Date Sampled: *06/12/07 12:45*
Date Received: *06/15/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	181		*	mg/L	0.2	1	06/23/07 1:02	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/23/07 1:02	djt
Magnesium, dissolved	M200.7 ICP	87.8			mg/L	0.2	1	06/23/07 1:02	djt
Potassium, dissolved	M200.7 ICP	3.2			mg/L	0.3	2	06/23/07 1:02	djt
Selenium, dissolved	M200.8 ICP-MS	0.0268			mg/L	0.0001	0.0005	06/16/07 11:03	jjr
Sodium, dissolved	M200.7 ICP	354			mg/L	0.3	2	06/23/07 1:02	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		567			mg/L	2	20	06/20/07 0:00	cas
Carbonate as CaCO3			U		mg/L	2	20	06/20/07 0:00	cas
Hydroxide as CaCO3			U		mg/L	2	20	06/20/07 0:00	cas
Total Alkalinity		567			mg/L	2	20	06/20/07 0:00	cas
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-2.4			%			07/02/07 12:27	calc
Sum of Anions		33.5			meq/L	0.1	0.5	07/02/07 12:27	calc
Sum of Cations		31.9			meq/L	0.1	0.5	07/02/07 12:27	calc
Chloride	M300.0 - Ion Chromatography	130			mg/L	10	50	06/21/07 14:02	jlf
Fluoride	M300.0 - Ion Chromatography	1.1		*	mg/L	0.1	0.5	06/20/07 20:03	jlf
Hardness as CaCO3	SM2340B - Calculation	813			mg/L	1	7	07/02/07 12:27	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	2.35			mg/L	0.02	0.1	06/22/07 21:18	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.0	H		units	0.1	0.1	06/20/07 0:00	cas
pH measured at		21.0			C	0.1	0.1	06/20/07 0:00	cas
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1910			mg/L	10	20	06/19/07 14:13	seb
Sulfate	300.0 - Ion Chromatography	880			mg/L	10	50	06/21/07 14:02	jlf
TDS (calculated)	Calculation	1980			mg/L	10	50	07/02/07 12:27	calc
TDS (ratio - measured/calculated)	Calculation	0.96						07/02/07 12:27	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703260

ACZ Sample ID: ***L63250-01***
Date Sampled: *06/12/07 09:45*
Date Received: *06/15/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.078		*	mg/L	0.005	0.01	06/18/07 23:49	jjr
Calcium, dissolved	M200.7 ICP	43.7			mg/L	0.4	2	06/23/07 0:58	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.04	0.1	06/23/07 0:58	djt
Magnesium, dissolved	M200.7 ICP	2.8			mg/L	0.4	2	06/23/07 0:58	djt
Potassium, dissolved	M200.7 ICP	1.5	B		mg/L	0.6	3	06/23/07 0:58	djt
Sodium, dissolved	M200.7 ICP	717			mg/L	0.6	3	06/23/07 0:58	djt
Strontium, dissolved	M200.7 ICP	1.63			mg/L	0.02	0.1	06/23/07 0:58	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		179			mg/L	2	20	06/20/07 0:00	cas
Carbonate as CaCO3		8	B		mg/L	2	20	06/20/07 0:00	cas
Hydroxide as CaCO3			U		mg/L	2	20	06/20/07 0:00	cas
Total Alkalinity		186			mg/L	2	20	06/20/07 0:00	cas
Bromide	M300.0 - Ion Chromatography	2	B	*	mg/L	2	10	06/21/07 13:44	jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-7.1			%			07/02/07 12:27	calc
Sum of Anions		39.2			meq/L	0.1	0.5	07/02/07 12:27	calc
Sum of Cations		34.0			meq/L	0.1	0.5	07/02/07 12:27	calc
Chloride	M300.0 - Ion Chromatography	130			mg/L	10	50	06/21/07 13:44	jlf
Fluoride	M300.0 - Ion Chromatography	1.7			mg/L	0.1	0.5	06/20/07 19:08	jlf
Hardness as CaCO3	SM2340B - Calculation	121			mg/L	1	7	07/02/07 12:27	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.19			mg/L	0.02	0.1	06/22/07 21:17	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.4	H		units	0.1	0.1	06/20/07 0:00	cas
pH measured at		21.0			C	0.1	0.1	06/20/07 0:00	cas
Residue, Filterable (TDS) @180C	160.1 / SM2540C	2440			mg/L	10	20	06/19/07 13:57	seb
Sulfate	300.0 - Ion Chromatography	1510			mg/L	10	50	06/21/07 13:44	jlf
TDS (calculated)	Calculation	2530			mg/L	10	50	07/02/07 12:27	calc
TDS (ratio - measured/calculated)	Calculation	0.96						07/02/07 12:27	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703264

ACZ Sample ID: ***L63424-03***
Date Sampled: *06/25/07 12:20*
Date Received: *06/26/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	62.2			mg/L	0.2	1	07/03/07 22:26	djt
Iron, dissolved	M200.7 ICP	0.04	B		mg/L	0.02	0.05	07/03/07 22:26	djt
Magnesium, dissolved	M200.7 ICP	40.2			mg/L	0.2	1	07/03/07 22:26	djt
Potassium, dissolved	M200.7 ICP	3.4			mg/L	0.3	2	07/03/07 22:26	djt
Selenium, dissolved	M200.8 ICP-MS	0.0075			mg/L	0.0001	0.0005	06/26/07 22:24	jjr
Sodium, dissolved	M200.7 ICP	57.5			mg/L	0.3	2	07/03/07 22:26	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		274			mg/L	2	20	06/27/07 0:00	lcp/jlf
Carbonate as CaCO3		8	B		mg/L	2	20	06/27/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/27/07 0:00	lcp/jlf
Total Alkalinity		282			mg/L	2	20	06/27/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		4.7			%			07/16/07 0:00	calc
Sum of Anions		8.2			meq/L	0.1	0.5	07/16/07 0:00	calc
Sum of Cations		9.0			meq/L	0.1	0.5	07/16/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	43.9			mg/L	0.5	3	07/11/07 15:07	jlf
Fluoride	M300.0 - Ion Chromatography	0.4	B	*	mg/L	0.1	0.5	07/11/07 15:07	jlf
Hardness as CaCO3	SM2340B - Calculation	321			mg/L	1	7	07/16/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	4.10		*	mg/L	0.04	0.2	07/05/07 21:13	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.4	H		units	0.1	0.1	06/27/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	06/27/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	470			mg/L	10	20	06/28/07 15:28	aeh
Sulfate	300.0 - Ion Chromatography	64.0			mg/L	0.5	3	07/11/07 15:07	jlf
TDS (calculated)	Calculation	444			mg/L	10	50	07/16/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.06						07/16/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703265

ACZ Sample ID: ***L63250-05***
Date Sampled: *06/13/07 09:30*
Date Received: *06/15/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.18		*	mg/L	0.01	0.02	06/18/07 23:58	jjr
Calcium, dissolved	M200.7 ICP	19.1		*	mg/L	0.2	1	06/23/07 1:30	djt
Iron, dissolved	M200.7 ICP	0.09			mg/L	0.02	0.05	06/23/07 1:30	djt
Magnesium, dissolved	M200.7 ICP	6.3			mg/L	0.2	1	06/23/07 1:30	djt
Potassium, dissolved	M200.7 ICP	2.0	B		mg/L	0.3	2	06/23/07 1:30	djt
Selenium, dissolved	M200.8 ICP-MS	0.0089			mg/L	0.0001	0.0005	06/16/07 11:33	jjr
Sodium, dissolved	M200.7 ICP	531			mg/L	2	50	06/23/07 1:30	djt
Strontium, dissolved	M200.7 ICP	0.80		*	mg/L	0.01	0.05	06/23/07 1:30	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		713			mg/L	2	20	06/22/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	06/22/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/22/07 0:00	lcp/jlf
Total Alkalinity		713			mg/L	2	20	06/22/07 0:00	lcp/jlf
Bromide	M300.0 - Ion Chromatography	0.4	B	*	mg/L	0.1	0.5	06/20/07 20:57	jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		3.7			%			07/02/07 12:27	calc
Sum of Anions		23.1			meq/L	0.1	0.5	07/02/07 12:27	calc
Sum of Cations		24.9			meq/L	0.1	0.5	07/02/07 12:27	calc
Chloride	M300.0 - Ion Chromatography	80.2			mg/L	0.5	3	06/20/07 20:57	jlf
Fluoride	M300.0 - Ion Chromatography	3.3		*	mg/L	0.1	0.5	06/20/07 20:57	jlf
Hardness as CaCO3	SM2340B - Calculation	74			mg/L	1	7	07/02/07 12:27	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.02	0.1	06/22/07 21:25	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.2	H		units	0.1	0.1	06/21/07 0:00	lcp/jlf
pH measured at		21.0			C	0.1	0.1	06/21/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1340			mg/L	10	20	06/19/07 14:19	seb
Sulfate	300.0 - Ion Chromatography	305			mg/L	5	30	06/21/07 14:56	jlf
TDS (calculated)	Calculation	1380			mg/L	10	50	07/02/07 12:27	calc
TDS (ratio - measured/calculated)	Calculation	0.97						07/02/07 12:27	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703266

ACZ Sample ID: ***L63410-01***
Date Sampled: *06/22/07 10:48*
Date Received: *06/23/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	81.2			mg/L	0.2	1	06/29/07 21:25	msh
Iron, dissolved	M200.7 ICP	1.32		*	mg/L	0.02	0.05	06/29/07 21:25	msh
Magnesium, dissolved	M200.7 ICP	68.1			mg/L	0.2	1	06/29/07 21:25	msh
Potassium, dissolved	M200.7 ICP	4.3			mg/L	0.3	2	06/29/07 21:25	msh
Selenium, dissolved	M200.8 ICP-MS	0.0012			mg/L	0.0001	0.0005	06/26/07 20:38	jjr
Sodium, dissolved	M200.7 ICP	84.9			mg/L	0.3	2	06/29/07 21:25	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		473			mg/L	2	20	06/26/07 0:00	aeh/jlf
Carbonate as CaCO3		15	B		mg/L	2	20	06/26/07 0:00	aeh/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/26/07 0:00	aeh/jlf
Total Alkalinity		488			mg/L	2	20	06/26/07 0:00	aeh/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-7.2			%			07/19/07 0:00	calc
Sum of Anions		15.7			meq/L	0.1	0.5	07/19/07 0:00	calc
Sum of Cations		13.6			meq/L	0.1	0.5	07/19/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	6.8			mg/L	0.5	3	07/12/07 21:58	jag
Fluoride	M300.0 - Ion Chromatography	50		*	mg/L	2	10	07/03/07 5:17	jlf
Hardness as CaCO3	SM2340B - Calculation	483			mg/L	1	7	07/19/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.09	B	*	mg/L	0.02	0.1	06/28/07 22:38	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.3	H		units	0.1	0.1	06/26/07 0:00	aeh/jlf
pH measured at		21.0			C	0.1	0.1	06/26/07 0:00	aeh/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	700			mg/L	10	20	06/27/07 15:25	seb
Sulfate	300.0 - Ion Chromatography	147			mg/L	5	30	07/17/07 17:19	jag
TDS (calculated)	Calculation	742			mg/L	10	50	07/19/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.94						07/19/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703803

ACZ Sample ID: ***L63876-04***
Date Sampled: *07/13/07 11:15*
Date Received: *07/17/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	89.3			mg/L	0.2	1	07/31/07 2:12	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/31/07 2:12	msh
Magnesium, dissolved	M200.7 ICP	41.8			mg/L	0.2	1	07/31/07 2:12	msh
Potassium, dissolved	M200.7 ICP	1.6	B		mg/L	0.3	2	07/31/07 2:12	msh
Selenium, dissolved	M200.8 ICP-MS	0.0189			mg/L	0.0001	0.0005	07/18/07 18:57	jjr
Sodium, dissolved	M200.7 ICP	149			mg/L	0.3	2	07/31/07 2:12	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		543			mg/L	2	20	07/19/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Total Alkalinity		543			mg/L	2	20	07/19/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		1.8			%			08/01/07 0:00	calc
Sum of Anions		14.0			meq/L	0.1	0.5	08/01/07 0:00	calc
Sum of Cations		14.5			meq/L	0.1	0.5	08/01/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	89.5			mg/L	0.5	3	07/24/07 23:19	jag
Fluoride	M300.0 - Ion Chromatography	0.9		*	mg/L	0.1	0.5	07/24/07 23:19	jag
Hardness as CaCO3	SM2340B - Calculation	395			mg/L	1	7	08/01/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1.82		*	mg/L	0.02	0.1	07/26/07 20:13	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.0	H		units	0.1	0.1	07/19/07 0:00	lcp/jlf
pH measured at		21.0			C	0.1	0.1	07/19/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	750			mg/L	10	20	07/19/07 16:10	lcp
Sulfate	300.0 - Ion Chromatography	30.0		*	mg/L	0.5	3	07/24/07 23:19	jag
TDS (calculated)	Calculation	728			mg/L	10	50	08/01/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.03						08/01/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703866

ACZ Sample ID: ***L63825-05***
Date Sampled: *07/12/07 10:30*
Date Received: *07/13/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.17		*	mg/L	0.01	0.02	07/23/07 18:22	jjr
Calcium, dissolved	M200.7 ICP	73.3			mg/L	0.2	1	07/29/07 3:29	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/29/07 3:29	msh
Magnesium, dissolved	M200.7 ICP	47.6			mg/L	0.2	1	07/29/07 3:29	msh
Potassium, dissolved	M200.7 ICP	0.4	B	*	mg/L	0.3	2	07/31/07 18:26	djt
Sodium, dissolved	M200.7 ICP	132			mg/L	0.3	2	07/29/07 3:29	msh
Strontium, dissolved	M200.7 ICP	1.46			mg/L	0.01	0.05	07/29/07 3:29	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		523			mg/L	2	20	07/16/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	07/16/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	07/16/07 0:00	lcp/jlf
Total Alkalinity		523			mg/L	2	20	07/16/07 0:00	lcp/jlf
Bromide	M300.0 - Ion Chromatography	0.2	B	*	mg/L	0.1	0.5	07/20/07 10:37	jag
Cation-Anion Balance	Calculation								
Cation-Anion Balance		2.7			%			08/01/07 0:00	calc
Sum of Anions		12.7			meq/L	0.1	0.5	08/01/07 0:00	calc
Sum of Cations		13.4			meq/L	0.1	0.5	08/01/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	27.5		*	mg/L	0.5	3	07/20/07 10:37	jag
Fluoride	M300.0 - Ion Chromatography	1.2		*	mg/L	0.1	0.5	07/20/07 10:37	jag
Hardness as CaCO3	SM2340B - Calculation	379			mg/L	1	7	08/01/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.36		*	mg/L	0.02	0.1	07/20/07 20:57	lbn
pH (lab)	150.1 / SM4500H+ B								
pH		8.0	H		units	0.1	0.1	07/16/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	07/16/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	680			mg/L	10	20	07/19/07 14:39	lcp
Sulfate	300.0 - Ion Chromatography	69.1			mg/L	0.5	3	07/20/07 10:37	jag
TDS (calculated)	Calculation	667			mg/L	10	50	08/01/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.02						08/01/07 0:00	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703866

ACZ Sample ID: ***L63825-05***
Date Sampled: *07/12/07 10:30*
Date Received: *07/13/07*
Sample Matrix: *Ground Water*

Methane

Analysis Method: **RSK 175 (GC/FID)**
Extract Method:

Workgroup: WG229114
Analyst: jj
Extract Date:
Analysis Date: 07/26/07 14:17

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Methane	74-82-8	0.017		1	*	mg/L	0.002	0.002

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: L/01
Sample ID: 703898

ACZ Sample ID: ***L63269-04***
Date Sampled: *06/14/07 12:35*
Date Received: *06/16/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	8.9			mg/L	0.2	1	06/27/07 18:04	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/27/07 18:04	djt
Magnesium, dissolved	M200.7 ICP		U		mg/L	0.2	1	06/27/07 18:04	djt
Potassium, dissolved	M200.7 ICP	0.7	B		mg/L	0.3	2	06/27/07 18:04	djt
Selenium, dissolved	M200.8 ICP-MS	0.0043			mg/L	0.0001	0.0005	06/19/07 14:09	jjr
Sodium, dissolved	M200.7 ICP	330		*	mg/L	0.3	2	06/27/07 18:04	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		346			mg/L	2	20	06/23/07 0:00	cas
Carbonate as CaCO3		18	B		mg/L	2	20	06/23/07 0:00	cas
Hydroxide as CaCO3			U		mg/L	2	20	06/23/07 0:00	cas
Total Alkalinity		364			mg/L	2	20	06/23/07 0:00	cas
Cation-Anion Balance	Calculation								
Cation-Anion Balance		0.7			%			07/05/07 0:00	calc
Sum of Anions		14.8			meq/L	0.1	0.5	07/05/07 0:00	calc
Sum of Cations		15.0			meq/L	0.1	0.5	07/05/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	32.6		*	mg/L	0.5	3	06/27/07 15:45	jlf
Fluoride	M300.0 - Ion Chromatography	2.4		*	mg/L	0.1	0.5	06/27/07 15:45	jlf
Hardness as CaCO3	SM2340B - Calculation	22			mg/L	1	7	07/05/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.07	B		mg/L	0.02	0.1	06/22/07 22:19	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.6	H		units	0.1	0.1	06/21/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	06/21/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	920			mg/L	10	20	06/21/07 10:39	seb
Sulfate	300.0 - Ion Chromatography	307		*	mg/L	5	30	07/02/07 22:56	jlf
TDS (calculated)	Calculation	907			mg/L	10	50	07/05/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.01						07/05/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703918

ACZ Sample ID: ***L63825-02***
Date Sampled: *07/12/07 11:15*
Date Received: *07/13/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	74.2			mg/L	0.2	1	07/29/07 2:22	djt
Iron, dissolved	M200.7 ICP		U	*	mg/L	0.02	0.05	07/29/07 2:22	djt
Magnesium, dissolved	M200.7 ICP	42.6			mg/L	0.2	1	07/29/07 2:22	djt
Potassium, dissolved	M200.7 ICP	3.5		*	mg/L	0.3	2	07/29/07 2:22	djt
Selenium, dissolved	M200.8 ICP-MS	0.0025			mg/L	0.0001	0.0005	07/18/07 13:34	jjr
Sodium, dissolved	M200.7 ICP	30.8			mg/L	0.3	2	07/29/07 2:22	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		384			mg/L	2	20	07/16/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	07/16/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	07/16/07 0:00	lcp/jlf
Total Alkalinity		384			mg/L	2	20	07/16/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		3.0			%			08/01/07 0:00	calc
Sum of Anions		8.1			meq/L	0.1	0.5	08/01/07 0:00	calc
Sum of Cations		8.6			meq/L	0.1	0.5	08/01/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	3.5		*	mg/L	0.5	3	07/20/07 9:43	jag
Fluoride	M300.0 - Ion Chromatography	0.6		*	mg/L	0.1	0.5	07/20/07 9:43	jag
Hardness as CaCO3	SM2340B - Calculation	361			mg/L	1	7	08/01/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.38			mg/L	0.02	0.1	07/21/07 15:07	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.1	H		units	0.1	0.1	07/16/07 0:00	lcp/jlf
pH measured at		23.0			C	0.1	0.1	07/16/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	420			mg/L	10	20	07/19/07 14:34	lcp
Sulfate	300.0 - Ion Chromatography	17.0			mg/L	0.5	3	07/20/07 9:43	jag
TDS (calculated)	Calculation	403			mg/L	10	50	08/01/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.04						08/01/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID:
Sample ID: 703933

ACZ Sample ID: ***L63426-05***
Date Sampled: *06/23/07 13:55*
Date Received: *06/26/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	35.1			mg/L	0.2	1	07/02/07 23:10	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/04/07 1:26	msh
Magnesium, dissolved	M200.7 ICP	33.4			mg/L	0.2	1	07/02/07 23:10	msh
Potassium, dissolved	M200.7 ICP	1.7	B		mg/L	0.3	2	07/02/07 23:10	msh
Selenium, dissolved	M200.8 ICP-MS	0.2020			mg/L	0.0001	0.0005	06/26/07 23:03	jjr
Sodium, dissolved	M200.7 ICP	316		*	mg/L	0.3	2	07/02/07 23:10	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		567			mg/L	2	20	06/28/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	06/28/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/28/07 0:00	lcp/jlf
Total Alkalinity		567			mg/L	2	20	06/28/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		1.1			%			07/13/07 15:25	calc
Sum of Anions		18.0			meq/L	0.1	0.5	07/13/07 15:25	calc
Sum of Cations		18.4			meq/L	0.1	0.5	07/13/07 15:25	calc
Chloride	M300.0 - Ion Chromatography	20	B		mg/L	10	50	07/10/07 23:55	jlf
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	2	10	07/10/07 23:55	jlf
Hardness as CaCO3	SM2340B - Calculation	225			mg/L	1	7	07/13/07 15:25	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	2.06		*	mg/L	0.02	0.1	07/05/07 20:27	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.2	H		units	0.1	0.1	06/28/07 0:00	lcp/jlf
pH measured at		21.0			C	0.1	0.1	06/28/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1060			mg/L	10	20	06/28/07 15:35	aeh
Sulfate	300.0 - Ion Chromatography	290			mg/L	10	50	07/10/07 23:55	jlf
TDS (calculated)	Calculation	1040			mg/L	10	50	07/13/07 15:25	calc
TDS (ratio - measured/calculated)	Calculation	1.02						07/13/07 15:25	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703934

ACZ Sample ID: ***L63702-01***
Date Sampled: *07/06/07 19:45*
Date Received: *07/10/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	38.3			mg/L	0.2	1	07/18/07 0:31	wfg
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/18/07 0:31	wfg
Magnesium, dissolved	M200.7 ICP	1.0	B		mg/L	0.2	1	07/18/07 0:31	wfg
Potassium, dissolved	M200.7 ICP	1.3	B		mg/L	0.3	2	07/20/07 19:50	djt
Selenium, dissolved	M200.8 ICP-MS	0.0132			mg/L	0.0001	0.0005	07/11/07 11:07	jjr
Sodium, dissolved	M200.7 ICP	565			mg/L	2	50	07/18/07 0:31	wfg

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		154			mg/L	2	20	07/12/07 0:00	cas
Carbonate as CaCO3			U		mg/L	2	20	07/12/07 0:00	cas
Hydroxide as CaCO3			U		mg/L	2	20	07/12/07 0:00	cas
Total Alkalinity		154			mg/L	2	20	07/12/07 0:00	cas
Cation-Anion Balance	Calculation								
Cation-Anion Balance		0.4			%			08/02/07 0:00	calc
Sum of Anions		26.7			meq/L	0.1	0.5	08/02/07 0:00	calc
Sum of Cations		26.9			meq/L	0.1	0.5	08/02/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	470			mg/L	10	50	07/24/07 17:35	jag
Fluoride	M300.0 - Ion Chromatography	3.1		*	mg/L	0.1	0.5	07/18/07 5:41	jag
Hardness as CaCO3	SM2340B - Calculation	100			mg/L	1	7	08/02/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U		mg/L	0.02	0.1	07/14/07 19:51	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.1	H		units	0.1	0.1	07/12/07 0:00	cas
pH measured at		22.0			C	0.1	0.1	07/12/07 0:00	cas
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1700	H	*	mg/L	10	20	07/26/07 17:15	aeh
Sulfate	300.0 - Ion Chromatography	490			mg/L	10	50	07/24/07 17:35	jag
TDS (calculated)	Calculation	1660			mg/L	10	50	08/02/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.02						08/02/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703956

ACZ Sample ID: ***L63250-07***
Date Sampled: *06/13/07 12:45*
Date Received: *06/15/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	66.4		*	mg/L	0.2	1	06/23/07 1:38	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/23/07 1:38	djt
Magnesium, dissolved	M200.7 ICP	50.6			mg/L	0.2	1	06/23/07 1:38	djt
Potassium, dissolved	M200.7 ICP	0.8	B		mg/L	0.3	2	06/23/07 1:38	djt
Selenium, dissolved	M200.8 ICP-MS	0.0077			mg/L	0.0001	0.0005	06/16/07 11:45	jjr
Sodium, dissolved	M200.7 ICP	144			mg/L	0.3	2	06/23/07 1:38	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		532			mg/L	2	20	06/22/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	06/22/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/22/07 0:00	lcp/jlf
Total Alkalinity		532			mg/L	2	20	06/22/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		3.4			%			07/02/07 12:28	calc
Sum of Anions		12.9			meq/L	0.1	0.5	07/02/07 12:28	calc
Sum of Cations		13.8			meq/L	0.1	0.5	07/02/07 12:28	calc
Chloride	M300.0 - Ion Chromatography	7.5			mg/L	0.5	3	06/20/07 22:09	jlf
Fluoride	M300.0 - Ion Chromatography	0.9		*	mg/L	0.1	0.5	06/20/07 22:09	jlf
Hardness as CaCO3	SM2340B - Calculation	374			mg/L	1	7	07/02/07 12:28	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.75		*	mg/L	0.02	0.1	06/22/07 21:27	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.1	H		units	0.1	0.1	06/21/07 0:00	lcp/jlf
pH measured at		21.0			C	0.1	0.1	06/21/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	690			mg/L	10	20	06/19/07 14:25	seb
Sulfate	300.0 - Ion Chromatography	94.2			mg/L	0.5	3	06/20/07 22:09	jlf
TDS (calculated)	Calculation	684			mg/L	10	50	07/02/07 12:28	calc
TDS (ratio - measured/calculated)	Calculation	1.01						07/02/07 12:28	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: L/01
Sample ID: 703961

ACZ Sample ID: ***L63269-05***
Date Sampled: *06/14/07 16:00*
Date Received: *06/16/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	51.4			mg/L	0.4	2	06/27/07 18:16	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.04	0.1	06/27/07 18:16	djt
Magnesium, dissolved	M200.7 ICP	2.0	B		mg/L	0.4	2	06/27/07 18:16	djt
Potassium, dissolved	M200.7 ICP	3.6			mg/L	0.6	3	06/27/07 18:16	djt
Selenium, dissolved	M200.8 ICP-MS	0.7920			mg/L	0.0002	0.001	06/21/07 7:08	jjr
Sodium, dissolved	M200.7 ICP	829		*	mg/L	0.6	3	06/27/07 18:16	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		177			mg/L	2	20	06/23/07 0:00	cas
Carbonate as CaCO3			U		mg/L	2	20	06/23/07 0:00	cas
Hydroxide as CaCO3			U		mg/L	2	20	06/23/07 0:00	cas
Total Alkalinity		177			mg/L	2	20	06/23/07 0:00	cas
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-0.8			%			07/05/07 0:00	calc
Sum of Anions		39.9			meq/L	0.1	0.5	07/05/07 0:00	calc
Sum of Cations		39.3			meq/L	0.1	0.5	07/05/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	172		*	mg/L	1	5	06/27/07 16:03	jlf
Fluoride	M300.0 - Ion Chromatography	4.0		*	mg/L	0.2	1	06/27/07 16:03	jlf
Hardness as CaCO3	SM2340B - Calculation	137			mg/L	1	7	07/05/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	15.7			mg/L	0.2	1	06/22/07 22:46	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.3	H		units	0.1	0.1	06/21/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	06/21/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	2690			mg/L	10	20	06/21/07 10:41	seb
Sulfate	300.0 - Ion Chromatography	1490		*	mg/L	10	50	07/02/07 23:51	jlf
TDS (calculated)	Calculation	2660			mg/L	10	50	07/05/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.01						07/05/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703961

ACZ Sample ID: ***L63751-01***
Date Sampled: *06/14/07 16:00*
Date Received: *07/12/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.046		*	mg/L	0.005	0.01	07/13/07 11:31	scp
Strontium, dissolved	M200.7 ICP	2.22			mg/L	0.01	0.05	07/26/07 12:04	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Bromide	M300.0 - Ion Chromatography	2	BH	*	mg/L	2	10	07/17/07 2:53	jag

Note: This report is for additional analysis of the sample previously reported as ACZ project L63269-05.

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703967

ACZ Sample ID: ***L63162-01***
Date Sampled: *06/08/07 09:45*
Date Received: *06/13/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	61.5			mg/L	0.2	1	06/20/07 23:15	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/20/07 23:15	djt
Magnesium, dissolved	M200.7 ICP	40.6			mg/L	0.2	1	06/20/07 23:15	djt
Potassium, dissolved	M200.7 ICP	2.7			mg/L	0.3	2	06/20/07 23:15	djt
Selenium, dissolved	M200.8 ICP-MS	0.0322		*	mg/L	0.0001	0.0005	06/15/07 15:28	jjr
Sodium, dissolved	M200.7 ICP	338			mg/L	0.3	2	06/20/07 23:15	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		575			mg/L	2	20	06/18/07 0:00	cas
Carbonate as CaCO3			U		mg/L	2	20	06/18/07 0:00	cas
Hydroxide as CaCO3			U		mg/L	2	20	06/18/07 0:00	cas
Total Alkalinity		576		*	mg/L	2	20	06/18/07 0:00	cas
Cation-Anion Balance	Calculation								
Cation-Anion Balance		0.5			%			06/26/07 0:00	calc
Sum of Anions		21.1			meq/L	0.1	0.5	06/26/07 0:00	calc
Sum of Cations		21.3			meq/L	0.1	0.5	06/26/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	55.6			mg/L	0.5	3	06/14/07 21:39	jlf
Fluoride	M300.0 - Ion Chromatography	1.5		*	mg/L	0.1	0.5	06/14/07 21:39	jlf
Hardness as CaCO3	SM2340B - Calculation	321			mg/L	1	7	06/26/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.34			mg/L	0.02	0.1	06/16/07 16:26	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.3	H		units	0.1	0.1	06/18/07 0:00	cas
pH measured at		21.0			C	0.1	0.1	06/18/07 0:00	cas
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1230			mg/L	10	20	06/14/07 11:30	aeh
Sulfate	300.0 - Ion Chromatography	378		*	mg/L	5	30	06/18/07 13:17	jlf
TDS (calculated)	Calculation	1220			mg/L	10	50	06/26/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.01						06/26/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: L/01
Sample ID: 703983

ACZ Sample ID: ***L63269-06***
Date Sampled: *06/14/07 18:45*
Date Received: *06/16/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	7.0			mg/L	0.2	1	06/27/07 18:20	djt
Iron, dissolved	M200.7 ICP	0.06			mg/L	0.02	0.05	06/27/07 18:20	djt
Magnesium, dissolved	M200.7 ICP	1.3			mg/L	0.2	1	06/27/07 18:20	djt
Potassium, dissolved	M200.7 ICP	0.8	B		mg/L	0.3	2	06/27/07 18:20	djt
Selenium, dissolved	M200.8 ICP-MS	0.0005			mg/L	0.0001	0.0005	06/19/07 14:33	jjr
Sodium, dissolved	M200.7 ICP	291		*	mg/L	0.3	2	06/27/07 18:20	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		271			mg/L	2	20	06/23/07 0:00	cas
Carbonate as CaCO3		18	B		mg/L	2	20	06/23/07 0:00	cas
Hydroxide as CaCO3			U		mg/L	2	20	06/23/07 0:00	cas
Total Alkalinity		290			mg/L	2	20	06/23/07 0:00	cas
Cation-Anion Balance	Calculation								
Cation-Anion Balance		1.1			%			07/05/07 0:00	calc
Sum of Anions		13.0			meq/L	0.1	0.5	07/05/07 0:00	calc
Sum of Cations		13.3			meq/L	0.1	0.5	07/05/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	203		*	mg/L	3	10	07/03/07 0:09	jlf
Fluoride	M300.0 - Ion Chromatography	6.7		*	mg/L	0.5	3	07/03/07 0:09	jlf
Hardness as CaCO3	SM2340B - Calculation	23			mg/L	1	7	07/05/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U		mg/L	0.02	0.1	06/22/07 21:55	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.6	H		units	0.1	0.1	06/21/07 0:00	lcp/jlf
pH measured at		21.0			C	0.1	0.1	06/21/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	760			mg/L	10	20	06/21/07 10:43	seb
Sulfate	300.0 - Ion Chromatography	55.9			mg/L	0.5	3	06/27/07 16:21	jlf
TDS (calculated)	Calculation	746			mg/L	10	50	07/05/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.02						07/05/07 0:00	calc

S.S. Papaodopulos & Assoc.
Project ID: L/01
Sample ID: 703983

ACZ Sample ID: ***L63269-06***
Date Sampled: *06/14/07 18:45*
Date Received: *06/16/07*
Sample Matrix: *Ground Water*

Methane

Analysis Method: **RSK 175 (GC/FID)**
Extract Method:

Workgroup: WG227108
Analyst: jj
Extract Date:
Analysis Date: 06/25/07 17:10

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Methane	74-82-8	3.93		25	*	mg/L	0.05	0.05

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2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703996

ACZ Sample ID: ***L63825-04***
Date Sampled: *07/12/07 09:00*
Date Received: *07/13/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	26.0			mg/L	0.2	1	07/29/07 3:25	msh
Iron, dissolved	M200.7 ICP	0.03	B		mg/L	0.02	0.05	07/29/07 3:25	msh
Magnesium, dissolved	M200.7 ICP	15.5			mg/L	0.2	1	07/29/07 3:25	msh
Potassium, dissolved	M200.7 ICP	0.7	B		mg/L	0.3	2	07/31/07 22:32	djt
Sodium, dissolved	M200.7 ICP	390			mg/L	0.3	2	07/29/07 3:25	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		590			mg/L	2	20	07/16/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	07/16/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	07/16/07 0:00	lcp/jlf
Total Alkalinity		590			mg/L	2	20	07/16/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		4.2			%			08/01/07 0:00	calc
Sum of Anions		18.2			meq/L	0.1	0.5	08/01/07 0:00	calc
Sum of Cations		19.8			meq/L	0.1	0.5	08/01/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	143			mg/L	3	10	07/20/07 15:09	jag
Hardness as CaCO3	SM2340B - Calculation	129			mg/L	1	7	08/01/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.03	B		mg/L	0.02	0.1	07/21/07 15:09	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.2	H		units	0.1	0.1	07/16/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	07/16/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1080			mg/L	10	20	07/19/07 14:38	lcp
Sulfate	300.0 - Ion Chromatography	116			mg/L	3	10	07/20/07 15:09	jag
TDS (calculated)	Calculation	1050			mg/L	10	50	08/01/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.03						08/01/07 0:00	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703996

ACZ Sample ID: ***L63825-04***
Date Sampled: *07/12/07 9:00*
Date Received: *07/13/07*
Sample Matrix: *Ground Water*

Methane

Analysis Method: **RSK 175 (GC/FID)**
Extract Method:

Workgroup: WG229114
Analyst: jj
Extract Date:
Analysis Date: 07/26/07 14:46

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Methane	74-82-8	6.1		75	*	mg/L	0.2	0.2

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704001

ACZ Sample ID: ***L63825-03***
Date Sampled: *07/12/07 14:15*
Date Received: *07/13/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	318			mg/L	0.4	2	07/29/07 3:21	msh
Iron, dissolved	M200.7 ICP	0.10			mg/L	0.04	0.1	07/29/07 3:21	msh
Magnesium, dissolved	M200.7 ICP	166			mg/L	0.4	2	07/29/07 3:21	msh
Potassium, dissolved	M200.7 ICP	5.6			mg/L	0.6	3	07/31/07 22:28	djt
Selenium, dissolved	M200.8 ICP-MS	0.0060			mg/L	0.0001	0.0005	07/18/07 13:40	jjr
Sodium, dissolved	M200.7 ICP	289			mg/L	0.6	3	07/29/07 3:21	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		463			mg/L	2	20	07/16/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	07/16/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	07/16/07 0:00	lcp/jlf
Total Alkalinity		463			mg/L	2	20	07/16/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-3.1			%			08/01/07 0:00	calc
Sum of Anions		45.1			meq/L	0.1	0.5	08/01/07 0:00	calc
Sum of Cations		42.4			meq/L	0.1	0.5	08/01/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	130			mg/L	30	100	07/20/07 14:51	jag
Fluoride	M300.0 - Ion Chromatography	0.4	B	*	mg/L	0.1	0.5	07/20/07 10:01	jag
Hardness as CaCO3	SM2340B - Calculation	1480			mg/L	1	7	08/01/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.34			mg/L	0.02	0.1	07/21/07 15:08	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		7.7	H		units	0.1	0.1	07/16/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	07/16/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	2810			mg/L	10	20	07/19/07 14:36	lcp
Sulfate	300.0 - Ion Chromatography	1530			mg/L	30	100	07/20/07 14:51	jag
TDS (calculated)	Calculation	2720			mg/L	10	50	08/01/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.03						08/01/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704010

ACZ Sample ID: ***L63876-01***
Date Sampled: *07/13/07 17:50*
Date Received: *07/17/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.19		*	mg/L	0.01	0.02	07/23/07 18:33	jjr
Calcium, dissolved	M200.7 ICP	63.4			mg/L	0.2	1	07/30/07 22:10	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/30/07 22:10	djt
Magnesium, dissolved	M200.7 ICP	23.8			mg/L	0.2	1	07/30/07 22:10	djt
Potassium, dissolved	M200.7 ICP	3.0		*	mg/L	0.3	2	07/30/07 22:10	djt
Selenium, dissolved	M200.8 ICP-MS	0.0309			mg/L	0.0001	0.0005	07/18/07 18:34	jjr
Sodium, dissolved	M200.7 ICP	387			mg/L	0.3	2	07/30/07 22:10	djt
Strontium, dissolved	M200.7 ICP	1.49		*	mg/L	0.01	0.05	07/30/07 22:10	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		709			mg/L	2	20	07/19/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Total Alkalinity		709			mg/L	2	20	07/19/07 0:00	lcp/jlf
Bromide	M300.0 - Ion Chromatography		U	*	mg/L	1	5	07/26/07 15:41	jag
Cation-Anion Balance	Calculation								
Cation-Anion Balance		2.3			%			08/01/07 0:00	calc
Sum of Anions		21.3			meq/L	0.1	0.5	08/01/07 0:00	calc
Sum of Cations		22.3			meq/L	0.1	0.5	08/01/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	82.4			mg/L	0.5	3	07/24/07 21:49	jag
Fluoride	M300.0 - Ion Chromatography	0.9		*	mg/L	0.1	0.5	07/24/07 21:49	jag
Hardness as CaCO3	SM2340B - Calculation	256			mg/L	1	7	08/01/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	7.3		*	mg/L	0.1	0.5	07/26/07 21:03	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.0	H		units	0.1	0.1	07/19/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	07/19/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1210			mg/L	10	20	07/19/07 16:06	lcp
Sulfate	300.0 - Ion Chromatography	225		*	mg/L	5	30	07/25/07 14:08	jag
TDS (calculated)	Calculation	1210			mg/L	10	50	08/01/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.00						08/01/07 0:00	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704010

ACZ Sample ID: ***L63876-01***
Date Sampled: *07/13/07 17:50*
Date Received: *07/17/07*
Sample Matrix: *Ground Water*

Methane

Analysis Method: **RSK 175 (GC/FID)**
Extract Method:

Workgroup: WG229114
Analyst: jj
Extract Date:
Analysis Date: 07/26/07 14:23

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Methane	74-82-8	0.006		1	*	mg/L	0.002	0.002

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704011

ACZ Sample ID: ***L63424-01***
Date Sampled: *06/25/07 10:30*
Date Received: *06/26/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	34.9			mg/L	0.2	1	07/03/07 22:18	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/03/07 22:18	djt
Magnesium, dissolved	M200.7 ICP	54.6			mg/L	0.2	1	07/03/07 22:18	djt
Potassium, dissolved	M200.7 ICP	4.2			mg/L	0.3	2	07/03/07 22:18	djt
Selenium, dissolved	M200.8 ICP-MS	0.0076			mg/L	0.0001	0.0005	06/26/07 22:13	jjr
Sodium, dissolved	M200.7 ICP	71.0			mg/L	0.3	2	07/03/07 22:18	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		376			mg/L	2	20	06/26/07 0:00	lcp/jlf
Carbonate as CaCO3		15	B		mg/L	2	20	06/26/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/26/07 0:00	lcp/jlf
Total Alkalinity		391			mg/L	2	20	06/26/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		3.9			%			07/16/07 0:00	calc
Sum of Anions		8.7			meq/L	0.1	0.5	07/16/07 0:00	calc
Sum of Cations		9.4			meq/L	0.1	0.5	07/16/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	9.0			mg/L	0.5	3	07/11/07 13:18	jlf
Fluoride	M300.0 - Ion Chromatography	0.2	B	*	mg/L	0.1	0.5	07/11/07 13:18	jlf
Hardness as CaCO3	SM2340B - Calculation	312			mg/L	1	7	07/16/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	2.51		*	mg/L	0.04	0.2	07/05/07 21:10	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.4	H		units	0.1	0.1	06/26/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	06/26/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	440			mg/L	10	20	06/28/07 15:59	lcp
Sulfate	300.0 - Ion Chromatography	30.1			mg/L	0.5	3	07/11/07 13:18	jlf
TDS (calculated)	Calculation	445			mg/L	10	50	07/16/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.99						07/16/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704023

ACZ Sample ID: ***L63424-04***
Date Sampled: *06/25/07 14:45*
Date Received: *06/26/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	41.5			mg/L	0.2	1	07/03/07 22:38	djt
Iron, dissolved	M200.7 ICP	0.02	B		mg/L	0.02	0.05	07/03/07 22:38	djt
Magnesium, dissolved	M200.7 ICP	5.7			mg/L	0.2	1	07/03/07 22:38	djt
Potassium, dissolved	M200.7 ICP	1.0	B		mg/L	0.3	2	07/03/07 22:38	djt
Sodium, dissolved	M200.7 ICP	316			mg/L	0.3	2	07/03/07 22:38	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		394			mg/L	2	20	06/27/07 0:00	lcp/jlf
Carbonate as CaCO3		18	B		mg/L	2	20	06/27/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/27/07 0:00	lcp/jlf
Total Alkalinity		412			mg/L	2	20	06/27/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		5.1			%			07/16/07 0:00	calc
Sum of Anions		14.9			meq/L	0.1	0.5	07/16/07 0:00	calc
Sum of Cations		16.5			meq/L	0.1	0.5	07/16/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	110			mg/L	10	50	07/10/07 21:48	jlf
Hardness as CaCO3	SM2340B - Calculation	127			mg/L	1	7	07/16/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.02	0.1	07/05/07 20:24	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.4	H		units	0.1	0.1	06/27/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	06/27/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	910	H	*	mg/L	10	20	07/06/07 12:35	kmc
Sulfate	300.0 - Ion Chromatography	170			mg/L	10	50	07/10/07 21:48	jlf
TDS (calculated)	Calculation	899			mg/L	10	50	07/16/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.01						07/16/07 0:00	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704023

ACZ Sample ID: ***L63424-04***
Date Sampled: *06/25/07 14:45*
Date Received: *06/26/07*
Sample Matrix: *Ground Water*

Methane

Analysis Method: **RSK 175 (GC/FID)**
Extract Method:

Workgroup: WG227447
Analyst: jj
Extract Date:
Analysis Date: 06/29/07 8:50

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Methane	74-82-8	1.6		75		mg/L	0.2	0.2

ACZ Laboratories, Inc.
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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: L/01
Sample ID: 704033

ACZ Sample ID: ***L63269-02***
Date Sampled: *06/14/07 11:15*
Date Received: *06/16/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	39.2			mg/L	0.2	1	06/27/07 11:35	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/27/07 11:35	msh
Magnesium, dissolved	M200.7 ICP	44.5			mg/L	0.2	1	06/27/07 11:35	msh
Potassium, dissolved	M200.7 ICP	1.7	B		mg/L	0.3	2	06/27/07 11:35	msh
Selenium, dissolved	M200.8 ICP-MS	0.0044			mg/L	0.0001	0.0005	06/19/07 13:57	jjr
Sodium, dissolved	M200.7 ICP	153			mg/L	0.3	2	06/27/07 11:35	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		435			mg/L	2	20	06/23/07 0:00	cas
Carbonate as CaCO3			U		mg/L	2	20	06/23/07 0:00	cas
Hydroxide as CaCO3			U		mg/L	2	20	06/23/07 0:00	cas
Total Alkalinity		435			mg/L	2	20	06/23/07 0:00	cas
Cation-Anion Balance	Calculation								
Cation-Anion Balance		4.6			%			07/05/07 0:00	calc
Sum of Anions		11.3			meq/L	0.1	0.5	07/05/07 0:00	calc
Sum of Cations		12.4			meq/L	0.1	0.5	07/05/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	10.6		*	mg/L	0.5	3	06/27/07 14:32	jlf
Fluoride	M300.0 - Ion Chromatography	2.2		*	mg/L	0.1	0.5	06/27/07 14:32	jlf
Hardness as CaCO3	SM2340B - Calculation	281			mg/L	1	7	07/05/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.36			mg/L	0.02	0.1	06/22/07 22:16	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.2	H		units	0.1	0.1	06/21/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	06/21/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	630			mg/L	10	20	06/21/07 10:35	seb
Sulfate	300.0 - Ion Chromatography	105		*	mg/L	1	5	07/02/07 22:20	jlf
TDS (calculated)	Calculation	617			mg/L	10	50	07/05/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.02						07/05/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704047

ACZ Sample ID: ***L63410-05***
Date Sampled: *06/21/07 14:40*
Date Received: *06/23/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	25.6			mg/L	0.2	1	06/29/07 21:59	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/29/07 21:59	msh
Magnesium, dissolved	M200.7 ICP	35.3			mg/L	0.2	1	06/29/07 21:59	msh
Potassium, dissolved	M200.7 ICP	5.4			mg/L	0.3	2	06/29/07 21:59	msh
Selenium, dissolved	M200.8 ICP-MS	0.0076			mg/L	0.0001	0.0005	06/26/07 21:11	jjr
Sodium, dissolved	M200.7 ICP	74.8			mg/L	0.3	2	06/29/07 21:59	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		279			mg/L	2	20	06/26/07 0:00	aeh/jlf
Carbonate as CaCO3		16	B		mg/L	2	20	06/26/07 0:00	aeh/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/26/07 0:00	aeh/jlf
Total Alkalinity		295			mg/L	2	20	06/26/07 0:00	aeh/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		3.4			%			07/19/07 0:00	calc
Sum of Anions		7.1			meq/L	0.1	0.5	07/19/07 0:00	calc
Sum of Cations		7.6			meq/L	0.1	0.5	07/19/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	20.6		*	mg/L	0.5	3	07/11/07 11:29	jlf
Fluoride	M300.0 - Ion Chromatography	0.4	B	*	mg/L	0.1	0.5	07/11/07 11:29	jlf
Hardness as CaCO3	SM2340B - Calculation	209			mg/L	1	7	07/19/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	2.84		*	mg/L	0.02	0.1	06/28/07 22:46	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.5	H		units	0.1	0.1	06/26/07 0:00	aeh/jlf
pH measured at		21.0			C	0.1	0.1	06/26/07 0:00	aeh/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	380			mg/L	10	20	06/27/07 15:33	seb
Sulfate	300.0 - Ion Chromatography	32.8			mg/L	0.5	3	07/11/07 11:29	jlf
TDS (calculated)	Calculation	378			mg/L	10	50	07/19/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.01						07/19/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704050

ACZ Sample ID: ***L63250-03***
Date Sampled: *06/12/07 15:30*
Date Received: *06/15/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	115		*	mg/L	0.4	2	06/23/07 1:14	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.04	0.1	06/23/07 1:14	djt
Magnesium, dissolved	M200.7 ICP	60.4			mg/L	0.4	2	06/23/07 1:14	djt
Potassium, dissolved	M200.7 ICP	6.3			mg/L	0.6	3	06/23/07 1:14	djt
Selenium, dissolved	M200.8 ICP-MS	0.0505			mg/L	0.0001	0.0005	06/16/07 11:09	jjr
Sodium, dissolved	M200.7 ICP	1150			mg/L	4	100	06/23/07 1:14	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		847			mg/L	2	20	06/20/07 0:00	cas
Carbonate as CaCO3			U		mg/L	2	20	06/20/07 0:00	cas
Hydroxide as CaCO3			U		mg/L	2	20	06/20/07 0:00	cas
Total Alkalinity		847			mg/L	2	20	06/20/07 0:00	cas
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-3.8			%			07/02/07 12:27	calc
Sum of Anions		66.3			meq/L	0.1	0.5	07/02/07 12:27	calc
Sum of Cations		61.5			meq/L	0.1	0.5	07/02/07 12:27	calc
Chloride	M300.0 - Ion Chromatography	210			mg/L	10	50	06/21/07 14:20	jlf
Fluoride	M300.0 - Ion Chromatography	1.0		*	mg/L	0.1	0.5	06/20/07 20:21	jlf
Hardness as CaCO3	SM2340B - Calculation	536			mg/L	1	7	07/02/07 12:27	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	20.4			mg/L	0.4	2	06/22/07 21:58	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.2	H		units	0.1	0.1	06/20/07 0:00	cas
pH measured at		21.0			C	0.1	0.1	06/20/07 0:00	cas
Residue, Filterable (TDS) @180C	160.1 / SM2540C	3970			mg/L	10	20	06/19/07 14:15	seb
Sulfate	300.0 - Ion Chromatography	2070			mg/L	30	100	06/27/07 13:38	jlf
TDS (calculated)	Calculation	4120			mg/L	10	50	07/02/07 12:27	calc
TDS (ratio - measured/calculated)	Calculation	0.96						07/02/07 12:27	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704050

ACZ Sample ID: ***L63250-03***
Date Sampled: *06/12/07 15:30*
Date Received: *06/15/07*
Sample Matrix: *Ground Water*

Methane

Analysis Method: **RSK 175 (GC/FID)**
Extract Method:

Workgroup: WG227108
Analyst: jj
Extract Date:
Analysis Date: 06/25/07 8:56

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Methane	74-82-8	0.063		1		mg/L	0.002	0.002

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704051

ACZ Sample ID: ***L63250-04***
Date Sampled: *06/12/07 18:00*
Date Received: *06/15/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.27		*	mg/L	0.01	0.02	06/18/07 23:53	jjr
Calcium, dissolved	M200.7 ICP	84.9		*	mg/L	0.4	2	06/23/07 1:26	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.04	0.1	06/23/07 1:26	djt
Magnesium, dissolved	M200.7 ICP	36.5			mg/L	0.4	2	06/23/07 1:26	djt
Potassium, dissolved	M200.7 ICP	2.0	B		mg/L	0.6	3	06/23/07 1:26	djt
Sodium, dissolved	M200.7 ICP	667			mg/L	0.6	3	06/23/07 1:26	djt
Strontium, dissolved	M200.7 ICP	3.17		*	mg/L	0.02	0.1	06/23/07 1:26	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		565			mg/L	2	20	06/20/07 0:00	cas
Carbonate as CaCO3			U		mg/L	2	20	06/20/07 0:00	cas
Hydroxide as CaCO3			U		mg/L	2	20	06/20/07 0:00	cas
Total Alkalinity		565			mg/L	2	20	06/20/07 0:00	cas
Bromide	M300.0 - Ion Chromatography	0.5	B	*	mg/L	0.2	1	06/20/07 20:39	jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-7.3			%			07/02/07 12:27	calc
Sum of Anions		42.5			meq/L	0.1	0.5	07/02/07 12:27	calc
Sum of Cations		36.7			meq/L	0.1	0.5	07/02/07 12:27	calc
Chloride	M300.0 - Ion Chromatography	128			mg/L	1	5	06/20/07 20:39	jlf
Fluoride	M300.0 - Ion Chromatography	1.3		*	mg/L	0.2	1	06/20/07 20:39	jlf
Hardness as CaCO3	SM2340B - Calculation	362			mg/L	1	7	07/02/07 12:27	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.02	0.1	06/22/07 21:22	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.2	H		units	0.1	0.1	06/20/07 0:00	cas
pH measured at		21.0			C	0.1	0.1	06/20/07 0:00	cas
Residue, Filterable (TDS) @180C	160.1 / SM2540C	2350			mg/L	10	20	06/19/07 14:17	seb
Sulfate	300.0 - Ion Chromatography	1310			mg/L	30	100	06/21/07 14:38	jlf
TDS (calculated)	Calculation	2570			mg/L	10	50	07/02/07 12:27	calc
TDS (ratio - measured/calculated)	Calculation	0.91						07/02/07 12:27	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704053

ACZ Sample ID: ***L63825-06***
Date Sampled: *07/12/07 14:45*
Date Received: *07/13/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	477			mg/L	1	5	07/29/07 3:33	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.1	0.3	07/29/07 3:33	msh
Magnesium, dissolved	M200.7 ICP	286			mg/L	1	5	07/29/07 3:33	msh
Potassium, dissolved	M200.7 ICP	17		*	mg/L	2	8	07/31/07 18:38	djt
Selenium, dissolved	M200.8 ICP-MS	0.0218			mg/L	0.0001	0.0005	07/18/07 14:03	jjr
Sodium, dissolved	M200.7 ICP	324			mg/L	2	8	07/29/07 3:33	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		441			mg/L	2	20	07/16/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	07/16/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	07/16/07 0:00	lcp/jlf
Total Alkalinity		441			mg/L	2	20	07/16/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-2.2			%			08/01/07 0:00	calc
Sum of Anions		64.8			meq/L	0.1	0.5	08/01/07 0:00	calc
Sum of Cations		62.0			meq/L	0.1	0.5	08/01/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	125			mg/L	3	10	07/24/07 18:48	jag
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	0.5	3	07/24/07 18:48	jag
Hardness as CaCO3	SM2340B - Calculation	2370			mg/L	1	7	08/01/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	2.07		*	mg/L	0.02	0.1	07/20/07 20:58	lbn
pH (lab)	150.1 / SM4500H+ B								
pH		7.5	H		units	0.1	0.1	07/16/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	07/16/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	4290		*	mg/L	10	20	07/19/07 14:40	lcp
Sulfate	300.0 - Ion Chromatography	2500			mg/L	50	300	07/25/07 13:13	jag
TDS (calculated)	Calculation	3990			mg/L	10	50	08/01/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.08						08/01/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704063

ACZ Sample ID: ***L63673-02***
Date Sampled: *07/06/07 09:45*
Date Received: *07/09/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	53.9			mg/L	0.2	1	07/17/07 22:30	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/17/07 22:30	djt
Magnesium, dissolved	M200.7 ICP	75.2			mg/L	0.2	1	07/17/07 22:30	djt
Potassium, dissolved	M200.7 ICP	5.1			mg/L	0.3	2	07/17/07 22:30	djt
Selenium, dissolved	M200.8 ICP-MS	0.0162		*	mg/L	0.0001	0.0005	07/10/07 8:47	jjr
Sodium, dissolved	M200.7 ICP	70.4			mg/L	0.3	2	07/17/07 22:30	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		524			mg/L	2	20	07/11/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	07/11/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	07/11/07 0:00	lcp
Total Alkalinity		524			mg/L	2	20	07/11/07 0:00	lcp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		2.5			%			07/30/07 0:00	calc
Sum of Anions		11.5			meq/L	0.1	0.5	07/30/07 0:00	calc
Sum of Cations		12.1			meq/L	0.1	0.5	07/30/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	12.9			mg/L	0.5	3	07/18/07 4:29	jag
Fluoride	M300.0 - Ion Chromatography	0.2	B	*	mg/L	0.1	0.5	07/18/07 4:29	jag
Hardness as CaCO3	SM2340B - Calculation	444			mg/L	1	7	07/30/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	5.53		*	mg/L	0.04	0.2	07/14/07 20:04	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.2	H		units	0.1	0.1	07/11/07 0:00	lcp
pH measured at		22.0			C	0.1	0.1	07/11/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	620	H	*	mg/L	10	20	07/24/07 10:52	ear/lcp
Sulfate	300.0 - Ion Chromatography	32.6			mg/L	0.5	3	07/18/07 4:29	jag
TDS (calculated)	Calculation	565			mg/L	10	50	07/30/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.10						07/30/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704069

ACZ Sample ID: ***L63673-01***
Date Sampled: *07/06/07 11:30*
Date Received: *07/09/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	41.8			mg/L	0.2	1	07/17/07 22:26	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/17/07 22:26	djt
Magnesium, dissolved	M200.7 ICP	37.4			mg/L	0.2	1	07/17/07 22:26	djt
Potassium, dissolved	M200.7 ICP	3.6			mg/L	0.3	2	07/17/07 22:26	djt
Selenium, dissolved	M200.8 ICP-MS	0.0024			mg/L	0.0001	0.0005	07/11/07 9:30	jjr
Sodium, dissolved	M200.7 ICP	56.9			mg/L	0.3	2	07/17/07 22:26	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		293			mg/L	2	20	07/11/07 0:00	lcp
Carbonate as CaCO3		12	B		mg/L	2	20	07/11/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	07/11/07 0:00	lcp
Total Alkalinity		306			mg/L	2	20	07/11/07 0:00	lcp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		1.3			%			07/30/07 0:00	calc
Sum of Anions		7.5			meq/L	0.1	0.5	07/30/07 0:00	calc
Sum of Cations		7.7			meq/L	0.1	0.5	07/30/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	21.3			mg/L	0.5	3	07/18/07 3:53	jag
Fluoride	M300.0 - Ion Chromatography	0.3	B	*	mg/L	0.1	0.5	07/18/07 3:53	jag
Hardness as CaCO3	SM2340B - Calculation	258			mg/L	1	7	07/30/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1.40		*	mg/L	0.02	0.1	07/14/07 19:33	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.4	H		units	0.1	0.1	07/11/07 0:00	lcp
pH measured at		22.0			C	0.1	0.1	07/11/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	430	H	*	mg/L	10	20	07/24/07 10:50	ear/lcp
Sulfate	300.0 - Ion Chromatography	41.1			mg/L	0.5	3	07/18/07 3:53	jag
TDS (calculated)	Calculation	390			mg/L	10	50	07/30/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.10						07/30/07 0:00	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704073

ACZ Sample ID: ***L63673-04***
Date Sampled: *07/06/07 13:45*
Date Received: *07/09/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	22.5			mg/L	0.2	1	07/17/07 22:45	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/17/07 22:45	djt
Magnesium, dissolved	M200.7 ICP	59.1			mg/L	0.2	1	07/17/07 22:45	djt
Potassium, dissolved	M200.7 ICP	3.1			mg/L	0.3	2	07/17/07 22:45	djt
Sodium, dissolved	M200.7 ICP	579			mg/L	0.6	3	07/21/07 0:57	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		592			mg/L	2	20	07/11/07 0:00	lcp
Carbonate as CaCO3		9	B		mg/L	2	20	07/11/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	07/11/07 0:00	lcp
Total Alkalinity		600			mg/L	2	20	07/11/07 0:00	lcp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		1.4			%			07/30/07 0:00	calc
Sum of Anions		30.6			meq/L	0.1	0.5	07/30/07 0:00	calc
Sum of Cations		31.5			meq/L	0.1	0.5	07/30/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	250			mg/L	10	50	07/18/07 12:24	jag
Hardness as CaCO3	SM2340B - Calculation	299			mg/L	1	7	07/30/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.02	0.1	07/14/07 19:36	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.3	H		units	0.1	0.1	07/11/07 0:00	lcp
pH measured at		22.0			C	0.1	0.1	07/11/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1820	H	*	mg/L	10	20	07/24/07 10:58	ear/lcp
Sulfate	300.0 - Ion Chromatography	550			mg/L	10	50	07/18/07 12:24	jag
TDS (calculated)	Calculation	1830			mg/L	10	50	07/30/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.99						07/30/07 0:00	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704073

ACZ Sample ID: ***L63673-04***
Date Sampled: *07/06/07 13:45*
Date Received: *07/09/07*
Sample Matrix: *Ground Water*

Methane

Analysis Method: **RSK 175 (GC/FID)**
Extract Method:

Workgroup: WG227982
Analyst: jj
Extract Date:
Analysis Date: 07/10/07 9:50

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Methane	74-82-8	0.3		20	*	mg/L	0.04	0.04

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704074

ACZ Sample ID: ***L63876-02***
Date Sampled: *07/13/07 09:30*
Date Received: *07/17/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	91.4			mg/L	0.2	1	07/30/07 22:14	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/30/07 22:14	djt
Magnesium, dissolved	M200.7 ICP	34.4			mg/L	0.2	1	07/30/07 22:14	djt
Potassium, dissolved	M200.7 ICP	0.7	B	*	mg/L	0.3	2	07/30/07 22:14	djt
Sodium, dissolved	M200.7 ICP	122			mg/L	0.3	2	07/30/07 22:14	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		514			mg/L	2	20	07/19/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Total Alkalinity		514			mg/L	2	20	07/19/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		2.8			%			08/01/07 0:00	calc
Sum of Anions		12.1			meq/L	0.1	0.5	08/01/07 0:00	calc
Sum of Cations		12.8			meq/L	0.1	0.5	08/01/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	10.6			mg/L	0.5	3	07/24/07 22:25	jag
Hardness as CaCO3	SM2340B - Calculation	370			mg/L	1	7	08/01/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.27		*	mg/L	0.02	0.1	07/26/07 20:11	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.0	H		units	0.1	0.1	07/19/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	07/19/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	640			mg/L	10	20	07/19/07 16:08	lcp
Sulfate	300.0 - Ion Chromatography	71.6		*	mg/L	0.5	3	07/24/07 22:25	jag
TDS (calculated)	Calculation	639			mg/L	10	50	08/01/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.00						08/01/07 0:00	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704074

ACZ Sample ID: ***L63876-02***
Date Sampled: *07/13/07 9:30*
Date Received: *07/17/07*
Sample Matrix: *Ground Water*

Methane

Analysis Method: **RSK 175 (GC/FID)**
Extract Method:

Workgroup: WG229114
Analyst: jj
Extract Date:
Analysis Date: 07/26/07 14:27

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Methane	74-82-8	0.005		1	*	mg/L	0.002	0.002

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704076

ACZ Sample ID: ***L63876-05***
Date Sampled: *07/13/07 18:50*
Date Received: *07/17/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.11		*	mg/L	0.01	0.02	07/23/07 18:39	jjr
Calcium, dissolved	M200.7 ICP	40.1			mg/L	0.2	1	07/31/07 2:24	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/31/07 2:24	msh
Magnesium, dissolved	M200.7 ICP	2.9			mg/L	0.2	1	07/31/07 2:24	msh
Potassium, dissolved	M200.7 ICP	1.5	B		mg/L	0.3	2	07/31/07 2:24	msh
Selenium, dissolved	M200.8 ICP-MS	0.0909			mg/L	0.0001	0.0005	07/18/07 19:03	jjr
Sodium, dissolved	M200.7 ICP	492			mg/L	0.3	2	07/31/07 2:24	msh
Strontium, dissolved	M200.7 ICP	1.07			mg/L	0.01	0.05	07/31/07 2:24	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		486			mg/L	2	20	07/19/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Total Alkalinity		486			mg/L	2	20	07/19/07 0:00	lcp/jlf
Bromide	M300.0 - Ion Chromatography		U	*	mg/L	1	5	07/26/07 15:59	jag
Cation-Anion Balance	Calculation								
Cation-Anion Balance		2.1			%			08/01/07 0:00	calc
Sum of Anions		23.0			meq/L	0.1	0.5	08/01/07 0:00	calc
Sum of Cations		24.0			meq/L	0.1	0.5	08/01/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	111			mg/L	5	30	07/26/07 15:59	jag
Fluoride	M300.0 - Ion Chromatography	1.5		*	mg/L	0.1	0.5	07/24/07 23:37	jag
Hardness as CaCO3	SM2340B - Calculation	112			mg/L	1	7	08/01/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	4.39		*	mg/L	0.04	0.2	07/26/07 21:09	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.3	H		units	0.1	0.1	07/19/07 0:00	lcp/jlf
pH measured at		21.0			C	0.1	0.1	07/19/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1450			mg/L	10	20	07/19/07 16:12	lcp
Sulfate	300.0 - Ion Chromatography	479			mg/L	5	30	07/26/07 15:59	jag
TDS (calculated)	Calculation	1420			mg/L	10	50	08/01/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.02						08/01/07 0:00	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704076

ACZ Sample ID: ***L63876-05***
Date Sampled: *07/13/07 18:50*
Date Received: *07/17/07*
Sample Matrix: *Ground Water*

Methane

Analysis Method: **RSK 175 (GC/FID)**
Extract Method:

Workgroup: WG229114
Analyst: jj
Extract Date:
Analysis Date: 07/26/07 14:38

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Methane	74-82-8	1.9		75	*	mg/L	0.2	0.2

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704084

ACZ Sample ID: ***L63410-07***
Date Sampled: *06/21/07 16:30*
Date Received: *06/23/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	35.5			mg/L	0.2	1	06/29/07 22:07	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/29/07 22:07	msh
Magnesium, dissolved	M200.7 ICP	34.4			mg/L	0.2	1	06/29/07 22:07	msh
Potassium, dissolved	M200.7 ICP	3.8			mg/L	0.3	2	06/29/07 22:07	msh
Selenium, dissolved	M200.8 ICP-MS	0.0087			mg/L	0.0001	0.0005	06/26/07 21:23	jjr
Sodium, dissolved	M200.7 ICP	70.6			mg/L	0.3	2	06/29/07 22:07	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		296			mg/L	2	20	06/26/07 0:00	aeh/jlf
Carbonate as CaCO3		17	B		mg/L	2	20	06/26/07 0:00	aeh/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/26/07 0:00	aeh/jlf
Total Alkalinity		313			mg/L	2	20	06/26/07 0:00	aeh/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		2.6			%			07/19/07 0:00	calc
Sum of Anions		7.4			meq/L	0.1	0.5	07/19/07 0:00	calc
Sum of Cations		7.8			meq/L	0.1	0.5	07/19/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	21.5		*	mg/L	0.5	3	07/11/07 12:06	jlf
Fluoride	M300.0 - Ion Chromatography	0.3	B	*	mg/L	0.1	0.5	07/11/07 12:06	jlf
Hardness as CaCO3	SM2340B - Calculation	230			mg/L	1	7	07/19/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	2.80		*	mg/L	0.04	0.2	06/28/07 23:05	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.4	H		units	0.1	0.1	06/26/07 0:00	aeh/jlf
pH measured at		20.0			C	0.1	0.1	06/26/07 0:00	aeh/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	390			mg/L	10	20	06/27/07 15:40	seb
Sulfate	300.0 - Ion Chromatography	25.3			mg/L	0.5	3	07/11/07 12:06	jlf
TDS (calculated)	Calculation	386			mg/L	10	50	07/19/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.01						07/19/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704151

ACZ Sample ID: ***L63491-02***
Date Sampled: *06/26/07 12:30*
Date Received: *06/28/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	35.9			mg/L	0.2	1	07/07/07 0:33	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/07/07 0:33	msh
Magnesium, dissolved	M200.7 ICP	1.5			mg/L	0.2	1	07/07/07 0:33	msh
Potassium, dissolved	M200.7 ICP	1.0	B	*	mg/L	0.3	2	07/07/07 0:33	msh
Selenium, dissolved	M200.8 ICP-MS	0.0805			mg/L	0.0001	0.0005	07/03/07 3:34	jjr
Sodium, dissolved	M200.7 ICP	356		*	mg/L	0.3	2	07/07/07 0:33	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		346			mg/L	2	20	06/29/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	06/29/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	06/29/07 0:00	lcp
Total Alkalinity		346		*	mg/L	2	20	06/29/07 0:00	lcp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		5.1			%			07/17/07 11:51	calc
Sum of Anions		15.9			meq/L	0.1	0.5	07/17/07 11:51	calc
Sum of Cations		17.6			meq/L	0.1	0.5	07/17/07 11:51	calc
Chloride	M300.0 - Ion Chromatography	231			mg/L	3	10	07/13/07 12:52	jag
Fluoride	M300.0 - Ion Chromatography	2.0			mg/L	0.1	0.5	07/12/07 23:10	jag
Hardness as CaCO3	SM2340B - Calculation	96			mg/L	1	7	07/17/07 11:51	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	2.77		*	mg/L	0.02	0.1	07/07/07 17:04	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.2	H		units	0.1	0.1	06/29/07 0:00	lcp
pH measured at		22.0			C	0.1	0.1	06/29/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	980			mg/L	10	20	07/02/07 11:42	aeh
Sulfate	300.0 - Ion Chromatography	116			mg/L	3	10	07/13/07 12:52	jag
TDS (calculated)	Calculation	951			mg/L	10	50	07/17/07 11:51	calc
TDS (ratio - measured/calculated)	Calculation	1.03						07/17/07 11:51	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704151

ACZ Sample ID: ***L63491-02***
Date Sampled: *06/26/07 12:30*
Date Received: *06/28/07*
Sample Matrix: *Ground Water*

Methane

Analysis Method: **RSK 175 (GC/FID)**
Extract Method:

Workgroup: WG227447
Analyst: jj
Extract Date:
Analysis Date: 06/29/07 9:01

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Methane	74-82-8	6.1		150		mg/L	0.3	0.3

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID:
Sample ID: 704158

ACZ Sample ID: ***L63426-04***
Date Sampled: *06/23/07 16:55*
Date Received: *06/26/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	102			mg/L	0.2	1	07/02/07 23:06	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/04/07 1:22	msh
Magnesium, dissolved	M200.7 ICP	19.8			mg/L	0.2	1	07/02/07 23:06	msh
Potassium, dissolved	M200.7 ICP	4.2			mg/L	0.3	2	07/02/07 23:06	msh
Selenium, dissolved	M200.8 ICP-MS	0.0698			mg/L	0.0001	0.0005	06/26/07 22:57	jjr
Sodium, dissolved	M200.7 ICP	380		*	mg/L	0.3	2	07/02/07 23:06	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		546			mg/L	2	20	06/28/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	06/28/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/28/07 0:00	lcp/jlf
Total Alkalinity		546			mg/L	2	20	06/28/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-1.9			%			07/13/07 15:25	calc
Sum of Anions		24.5			meq/L	0.1	0.5	07/13/07 15:25	calc
Sum of Cations		23.6			meq/L	0.1	0.5	07/13/07 15:25	calc
Chloride	M300.0 - Ion Chromatography	230			mg/L	10	50	07/10/07 23:37	jlf
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	2	10	07/10/07 23:37	jlf
Hardness as CaCO3	SM2340B - Calculation	336			mg/L	1	7	07/13/07 15:25	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1.75		*	mg/L	0.02	0.1	07/05/07 20:26	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.0	H		units	0.1	0.1	06/28/07 0:00	lcp/jlf
pH measured at		21.0			C	0.1	0.1	06/28/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1400			mg/L	10	20	06/28/07 15:34	aeh
Sulfate	300.0 - Ion Chromatography	340			mg/L	10	50	07/10/07 23:37	jlf
TDS (calculated)	Calculation	1400			mg/L	10	50	07/13/07 15:25	calc
TDS (ratio - measured/calculated)	Calculation	1.00						07/13/07 15:25	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704204

ACZ Sample ID: ***L63825-01***
Date Sampled: *07/12/07 13:20*
Date Received: *07/13/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.07		*	mg/L	0.01	0.02	07/23/07 18:17	jjr
Calcium, dissolved	M200.7 ICP	30.5			mg/L	0.2	1	07/29/07 2:18	djt
Iron, dissolved	M200.7 ICP		U	*	mg/L	0.02	0.05	07/29/07 2:18	djt
Magnesium, dissolved	M200.7 ICP	12.5			mg/L	0.2	1	07/29/07 2:18	djt
Potassium, dissolved	M200.7 ICP	1.8	B	*	mg/L	0.3	2	07/29/07 2:18	djt
Selenium, dissolved	M200.8 ICP-MS	0.0124			mg/L	0.0001	0.0005	07/18/07 13:28	jjr
Sodium, dissolved	M200.7 ICP	186			mg/L	0.3	2	07/29/07 2:18	djt
Strontium, dissolved	M200.7 ICP	0.53			mg/L	0.01	0.05	07/29/07 2:18	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		375			mg/L	2	20	07/16/07 0:00	lcp/jlf
Carbonate as CaCO3		5	B		mg/L	2	20	07/16/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	07/16/07 0:00	lcp/jlf
Total Alkalinity		381			mg/L	2	20	07/16/07 0:00	lcp/jlf
Bromide	M300.0 - Ion Chromatography	0.1	B	*	mg/L	0.1	0.5	07/20/07 9:25	jag
Cation-Anion Balance	Calculation								
Cation-Anion Balance		3.3			%			08/01/07 0:00	calc
Sum of Anions		10.1			meq/L	0.1	0.5	08/01/07 0:00	calc
Sum of Cations		10.8			meq/L	0.1	0.5	08/01/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	18.6		*	mg/L	0.5	3	07/20/07 9:25	jag
Fluoride	M300.0 - Ion Chromatography	1.4		*	mg/L	0.1	0.5	07/20/07 9:25	jag
Hardness as CaCO3	SM2340B - Calculation	128			mg/L	1	7	08/01/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.60			mg/L	0.02	0.1	07/21/07 15:04	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.3	H		units	0.1	0.1	07/16/07 0:00	lcp/jlf
pH measured at		23.0			C	0.1	0.1	07/16/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	570			mg/L	10	20	07/19/07 14:33	lcp
Sulfate	300.0 - Ion Chromatography	91.6			mg/L	0.5	3	07/20/07 9:25	jag
TDS (calculated)	Calculation	573			mg/L	10	50	08/01/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.99						08/01/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704288

ACZ Sample ID: ***L63250-08***
Date Sampled: *06/13/07 14:10*
Date Received: *06/15/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	22.7		*	mg/L	0.2	1	06/23/07 1:42	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/23/07 1:42	djt
Magnesium, dissolved	M200.7 ICP	11.4			mg/L	0.2	1	06/23/07 1:42	djt
Potassium, dissolved	M200.7 ICP	1.2	B		mg/L	0.3	2	06/23/07 1:42	djt
Selenium, dissolved	M200.8 ICP-MS	0.0063			mg/L	0.0001	0.0005	06/16/07 11:51	jjr
Sodium, dissolved	M200.7 ICP	266			mg/L	0.3	2	06/23/07 1:42	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		452			mg/L	2	20	06/22/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	06/22/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/22/07 0:00	lcp/jlf
Total Alkalinity		452			mg/L	2	20	06/22/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		3.8			%			07/02/07 12:28	calc
Sum of Anions		12.8			meq/L	0.1	0.5	07/02/07 12:28	calc
Sum of Cations		13.8			meq/L	0.1	0.5	07/02/07 12:28	calc
Chloride	M300.0 - Ion Chromatography	69.3		*	mg/L	0.5	3	06/27/07 13:56	jlf
Fluoride	M300.0 - Ion Chromatography	3.1		*	mg/L	0.1	0.5	06/27/07 13:56	jlf
Hardness as CaCO3	SM2340B - Calculation	104			mg/L	1	7	07/02/07 12:28	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1.58		*	mg/L	0.02	0.1	06/22/07 21:32	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.3	H		units	0.1	0.1	06/21/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	06/21/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	730			mg/L	10	20	06/19/07 14:27	seb
Sulfate	300.0 - Ion Chromatography	79.1			mg/L	0.5	3	06/27/07 13:56	jlf
TDS (calculated)	Calculation	724			mg/L	10	50	07/02/07 12:28	calc
TDS (ratio - measured/calculated)	Calculation	1.01						07/02/07 12:28	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID:
Sample ID: 704320

ACZ Sample ID: ***L63426-02***
Date Sampled: *06/23/07 12:15*
Date Received: *06/26/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	62.8			mg/L	0.2	1	07/02/07 22:50	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/04/07 1:06	msh
Magnesium, dissolved	M200.7 ICP	49.5			mg/L	0.2	1	07/02/07 22:50	msh
Potassium, dissolved	M200.7 ICP	1.6	B		mg/L	0.3	2	07/02/07 22:50	msh
Selenium, dissolved	M200.8 ICP-MS	0.0370			mg/L	0.0001	0.0005	06/26/07 22:46	jjr
Sodium, dissolved	M200.7 ICP	134		*	mg/L	0.3	2	07/02/07 22:50	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		563			mg/L	2	20	06/28/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	06/28/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/28/07 0:00	lcp/jlf
Total Alkalinity		563			mg/L	2	20	06/28/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		0.4			%			07/13/07 15:25	calc
Sum of Anions		13.0			meq/L	0.1	0.5	07/13/07 15:25	calc
Sum of Cations		13.1			meq/L	0.1	0.5	07/13/07 15:25	calc
Chloride	M300.0 - Ion Chromatography	28.1			mg/L	0.5	3	07/11/07 15:43	jlf
Fluoride	M300.0 - Ion Chromatography	2.5		*	mg/L	0.1	0.5	07/11/07 15:43	jlf
Hardness as CaCO3	SM2340B - Calculation	360			mg/L	1	7	07/13/07 15:25	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1.07			mg/L	0.02	0.1	07/05/07 21:31	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.2	H		units	0.1	0.1	06/28/07 0:00	lcp/jlf
pH measured at		21.0			C	0.1	0.1	06/28/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	670			mg/L	10	20	06/28/07 15:31	aeh
Sulfate	300.0 - Ion Chromatography	38.3			mg/L	0.5	3	07/11/07 15:43	jlf
TDS (calculated)	Calculation	655			mg/L	10	50	07/13/07 15:25	calc
TDS (ratio - measured/calculated)	Calculation	1.02						07/13/07 15:25	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704322

ACZ Sample ID: ***L63424-02***
Date Sampled: *06/23/07 11:00*
Date Received: *06/26/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	81.2			mg/L	0.2	1	07/03/07 22:22	djt
Iron, dissolved	M200.7 ICP	1.92			mg/L	0.02	0.05	07/03/07 22:22	djt
Magnesium, dissolved	M200.7 ICP	43.9			mg/L	0.2	1	07/03/07 22:22	djt
Potassium, dissolved	M200.7 ICP	1.6	B		mg/L	0.3	2	07/03/07 22:22	djt
Selenium, dissolved	M200.8 ICP-MS	0.0014			mg/L	0.0001	0.0005	06/26/07 22:18	jjr
Sodium, dissolved	M200.7 ICP	57.5			mg/L	0.3	2	07/03/07 22:22	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		463			mg/L	2	20	06/27/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	06/27/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/27/07 0:00	lcp/jlf
Total Alkalinity		463			mg/L	2	20	06/27/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		3.5			%			07/16/07 0:00	calc
Sum of Anions		9.6			meq/L	0.1	0.5	07/16/07 0:00	calc
Sum of Cations		10.3			meq/L	0.1	0.5	07/16/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	8.8			mg/L	0.5	3	07/11/07 14:31	jlf
Fluoride	M300.0 - Ion Chromatography	0.9		*	mg/L	0.1	0.5	07/11/07 14:31	jlf
Hardness as CaCO3	SM2340B - Calculation	383			mg/L	1	7	07/16/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.02	0.1	07/05/07 20:20	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.2	H		units	0.1	0.1	06/27/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	06/27/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	490			mg/L	10	20	06/28/07 16:00	lcp
Sulfate	300.0 - Ion Chromatography	6.1			mg/L	0.5	3	07/11/07 14:31	jlf
TDS (calculated)	Calculation	480			mg/L	10	50	07/16/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.02						07/16/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704327

ACZ Sample ID: ***L63410-10***
Date Sampled: *06/22/07 14:18*
Date Received: *06/23/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	12.4			mg/L	0.2	1	06/29/07 22:20	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/29/07 22:20	msh
Magnesium, dissolved	M200.7 ICP	0.5	B		mg/L	0.2	1	06/29/07 22:20	msh
Potassium, dissolved	M200.7 ICP	1.2	B		mg/L	0.3	2	06/29/07 22:20	msh
Selenium, dissolved	M200.8 ICP-MS	0.2530			mg/L	0.0001	0.0005	06/26/07 21:51	jjr
Sodium, dissolved	M200.7 ICP	313			mg/L	0.3	2	06/29/07 22:20	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		527			mg/L	2	20	06/26/07 0:00	aeh/jlf
Carbonate as CaCO3		40			mg/L	2	20	06/26/07 0:00	aeh/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/26/07 0:00	aeh/jlf
Total Alkalinity		566			mg/L	2	20	06/26/07 0:00	aeh/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		1.0			%			07/19/07 0:00	calc
Sum of Anions		14.2			meq/L	0.1	0.5	07/19/07 0:00	calc
Sum of Cations		14.5			meq/L	0.1	0.5	07/19/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	30		*	mg/L	1	5	07/11/07 12:42	jlf
Fluoride	M300.0 - Ion Chromatography	0.8	B	*	mg/L	0.2	1	07/11/07 12:42	jlf
Hardness as CaCO3	SM2340B - Calculation	33			mg/L	1	7	07/19/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	2.63		*	mg/L	0.02	0.1	06/28/07 23:00	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.5	H		units	0.1	0.1	06/26/07 0:00	aeh/jlf
pH measured at		21.0			C	0.1	0.1	06/26/07 0:00	aeh/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	800			mg/L	10	20	06/27/07 15:46	seb
Sulfate	300.0 - Ion Chromatography	93			mg/L	1	5	07/11/07 12:42	jlf
TDS (calculated)	Calculation	807			mg/L	10	50	07/19/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.99						07/19/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID:
Sample ID: 704328

ACZ Sample ID: ***L63426-03***
Date Sampled: *06/23/07 12:10*
Date Received: *06/26/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	10.7			mg/L	0.2	1	07/02/07 22:54	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/04/07 1:10	msh
Magnesium, dissolved	M200.7 ICP		U		mg/L	0.2	1	07/02/07 22:54	msh
Potassium, dissolved	M200.7 ICP	0.8	B		mg/L	0.3	2	07/02/07 22:54	msh
Selenium, dissolved	M200.8 ICP-MS	0.0306			mg/L	0.0001	0.0005	06/26/07 22:52	jjr
Sodium, dissolved	M200.7 ICP	314		*	mg/L	0.3	2	07/02/07 22:54	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		330			mg/L	2	20	06/28/07 0:00	lcp/jlf
Carbonate as CaCO3		13	B		mg/L	2	20	06/28/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/28/07 0:00	lcp/jlf
Total Alkalinity		343			mg/L	2	20	06/28/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		0.0			%			07/13/07 15:25	calc
Sum of Anions		14.4			meq/L	0.1	0.5	07/13/07 15:25	calc
Sum of Cations		14.4			meq/L	0.1	0.5	07/13/07 15:25	calc
Chloride	M300.0 - Ion Chromatography	120			mg/L	10	50	07/10/07 23:19	jlf
Fluoride	M300.0 - Ion Chromatography	4	B	*	mg/L	2	10	07/10/07 23:19	jlf
Hardness as CaCO3	SM2340B - Calculation	27			mg/L	1	7	07/13/07 15:25	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.68		*	mg/L	0.02	0.1	07/05/07 20:25	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.4	H		units	0.1	0.1	06/28/07 0:00	lcp/jlf
pH measured at		21.0			C	0.1	0.1	06/28/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	860			mg/L	10	20	06/28/07 15:32	aeh
Sulfate	300.0 - Ion Chromatography	190			mg/L	10	50	07/10/07 23:19	jlf
TDS (calculated)	Calculation	851			mg/L	10	50	07/13/07 15:25	calc
TDS (ratio - measured/calculated)	Calculation	1.01						07/13/07 15:25	calc

S.S. Papaodopulos & Assoc.
Project ID:
Sample ID: 704330

ACZ Sample ID: ***L63426-07***
Date Sampled: *06/23/07 13:30*
Date Received: *06/26/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	235			mg/L	0.4	2	07/02/07 23:18	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.04	0.1	07/04/07 1:34	msh
Magnesium, dissolved	M200.7 ICP	2.9			mg/L	0.4	2	07/02/07 23:18	msh
Potassium, dissolved	M200.7 ICP	2.1	B		mg/L	0.6	3	07/02/07 23:18	msh
Sodium, dissolved	M200.7 ICP	909		*	mg/L	0.6	3	07/02/07 23:18	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		61			mg/L	2	20	06/28/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	06/28/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/28/07 0:00	lcp/jlf
Total Alkalinity		61			mg/L	2	20	06/28/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-0.2			%			07/13/07 15:26	calc
Sum of Anions		52.2			meq/L	0.1	0.5	07/13/07 15:26	calc
Sum of Cations		52.0			meq/L	0.1	0.5	07/13/07 15:26	calc
Chloride	M300.0 - Ion Chromatography	1790			mg/L	10	50	07/11/07 0:49	jlf
Hardness as CaCO3	SM2340B - Calculation	599			mg/L	1	7	07/13/07 15:26	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.38		*	mg/L	0.02	0.1	07/05/07 20:33	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		7.9	H		units	0.1	0.1	06/28/07 0:00	lcp/jlf
pH measured at		21.0			C	0.1	0.1	06/28/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	3280			mg/L	10	20	06/28/07 15:38	aeh
Sulfate	300.0 - Ion Chromatography	40	B	*	mg/L	10	50	07/11/07 0:49	jlf
TDS (calculated)	Calculation	3020			mg/L	10	50	07/13/07 15:26	calc
TDS (ratio - measured/calculated)	Calculation	1.09						07/13/07 15:26	calc

S.S. Papaodopulos & Assoc.
Project ID:
Sample ID: 704330

ACZ Sample ID: ***L63426-07***
Date Sampled: *06/23/07 13:30*
Date Received: *06/26/07*
Sample Matrix: *Ground Water*

Methane

Analysis Method: **RSK 175 (GC/FID)**
Extract Method:

Workgroup: WG227447
Analyst: jj
Extract Date:
Analysis Date: 06/29/07 8:57

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Methane	74-82-8	11		200		mg/L	0.4	0.4

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID:
Sample ID: 704332

ACZ Sample ID: ***L63426-06***
Date Sampled: *06/23/07 10:30*
Date Received: *06/26/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	69.6			mg/L	0.2	1	07/02/07 23:14	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/04/07 1:30	msh
Magnesium, dissolved	M200.7 ICP	37.2			mg/L	0.2	1	07/02/07 23:14	msh
Potassium, dissolved	M200.7 ICP	2.8			mg/L	0.3	2	07/02/07 23:14	msh
Selenium, dissolved	M200.8 ICP-MS	0.0186			mg/L	0.0001	0.0005	06/26/07 23:09	jjr
Sodium, dissolved	M200.7 ICP	145		*	mg/L	0.3	2	07/02/07 23:14	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		483			mg/L	2	20	06/28/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	06/28/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/28/07 0:00	lcp/jlf
Total Alkalinity		483			mg/L	2	20	06/28/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		3.6			%			07/13/07 15:25	calc
Sum of Anions		12.1			meq/L	0.1	0.5	07/13/07 15:25	calc
Sum of Cations		13.0			meq/L	0.1	0.5	07/13/07 15:25	calc
Chloride	M300.0 - Ion Chromatography	12			mg/L	1	5	07/11/07 16:01	jlf
Fluoride	M300.0 - Ion Chromatography	0.5	B	*	mg/L	0.2	1	07/11/07 16:01	jlf
Hardness as CaCO3	SM2340B - Calculation	327			mg/L	1	7	07/13/07 15:25	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1.18		*	mg/L	0.02	0.1	07/05/07 20:32	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.0	H		units	0.1	0.1	06/28/07 0:00	lcp/jlf
pH measured at		21.0			C	0.1	0.1	06/28/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	700			mg/L	10	20	06/28/07 15:36	aeh
Sulfate	300.0 - Ion Chromatography	101			mg/L	1	5	07/11/07 16:01	jlf
TDS (calculated)	Calculation	658			mg/L	10	50	07/13/07 15:25	calc
TDS (ratio - measured/calculated)	Calculation	1.06						07/13/07 15:25	calc

S.S. Papaodopulos & Assoc.
Project ID:
Sample ID: 704332

ACZ Sample ID: ***L63426-06***
Date Sampled: *06/23/07 10:30*
Date Received: *06/26/07*
Sample Matrix: *Ground Water*

Methane

Analysis Method: **RSK 175 (GC/FID)**
Extract Method:

Workgroup: WG227447
Analyst: jj
Extract Date:
Analysis Date: 06/29/07 8:04

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Methane	74-82-8	0.004		1		mg/L	0.002	0.002

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704374

ACZ Sample ID: ***L63410-02***
Date Sampled: *06/22/07 12:31*
Date Received: *06/23/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	120			mg/L	0.2	1	06/29/07 21:29	msh
Iron, dissolved	M200.7 ICP	0.03	B	*	mg/L	0.02	0.05	06/29/07 21:29	msh
Magnesium, dissolved	M200.7 ICP	73.5			mg/L	0.2	1	06/29/07 21:29	msh
Potassium, dissolved	M200.7 ICP	3.5			mg/L	0.3	2	06/29/07 21:29	msh
Selenium, dissolved	M200.8 ICP-MS	0.0126			mg/L	0.0001	0.0005	06/26/07 20:54	jjr
Sodium, dissolved	M200.7 ICP	162			mg/L	0.3	2	06/29/07 21:29	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		539			mg/L	2	20	06/26/07 0:00	aeh/jlf
Carbonate as CaCO3			U		mg/L	2	20	06/26/07 0:00	aeh/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/26/07 0:00	aeh/jlf
Total Alkalinity		539			mg/L	2	20	06/26/07 0:00	aeh/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		0.5			%			07/19/07 0:00	calc
Sum of Anions		19.0			meq/L	0.1	0.5	07/19/07 0:00	calc
Sum of Cations		19.2			meq/L	0.1	0.5	07/19/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	70		*	mg/L	10	50	07/03/07 5:35	jlf
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	2	10	07/03/07 5:35	jlf
Hardness as CaCO3	SM2340B - Calculation	602			mg/L	1	7	07/19/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	3.05		*	mg/L	0.02	0.1	06/28/07 22:42	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.1	H		units	0.1	0.1	06/26/07 0:00	aeh/jlf
pH measured at		21.0			C	0.1	0.1	06/26/07 0:00	aeh/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1070			mg/L	10	20	06/27/07 15:27	seb
Sulfate	300.0 - Ion Chromatography	300		*	mg/L	10	50	07/03/07 5:35	jlf
TDS (calculated)	Calculation	1050			mg/L	10	50	07/19/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.02						07/19/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704392

ACZ Sample ID: ***L63825-07***
Date Sampled: *07/12/07 15:30*
Date Received: *07/13/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.26		*	mg/L	0.01	0.02	07/23/07 18:28	jjr
Calcium, dissolved	M200.7 ICP	48.9			mg/L	0.2	1	07/29/07 3:37	msh
Iron, dissolved	M200.7 ICP	0.60			mg/L	0.02	0.05	07/29/07 3:37	msh
Magnesium, dissolved	M200.7 ICP	24.3			mg/L	0.2	1	07/29/07 3:37	msh
Potassium, dissolved	M200.7 ICP	1.7	B	*	mg/L	0.3	2	07/31/07 18:41	djt
Selenium, dissolved	M200.8 ICP-MS	0.0006		*	mg/L	0.0001	0.0005	07/18/07 14:09	jjr
Sodium, dissolved	M200.7 ICP	438			mg/L	0.3	2	07/29/07 3:37	msh
Strontium, dissolved	M200.7 ICP	1.62			mg/L	0.01	0.05	07/29/07 3:37	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		442			mg/L	2	20	07/16/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	07/16/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	07/16/07 0:00	lcp/jlf
Total Alkalinity		442			mg/L	2	20	07/16/07 0:00	lcp/jlf
Bromide	M300.0 - Ion Chromatography	1	B	*	mg/L	1	5	07/26/07 15:05	jag
Cation-Anion Balance	Calculation								
Cation-Anion Balance		3.0			%			08/01/07 0:00	calc
Sum of Anions		22.4			meq/L	0.1	0.5	08/01/07 0:00	calc
Sum of Cations		23.8			meq/L	0.1	0.5	08/01/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	277			mg/L	5	30	07/25/07 13:31	jag
Fluoride	M300.0 - Ion Chromatography	3.5		*	mg/L	0.1	0.5	07/24/07 19:06	jag
Hardness as CaCO3	SM2340B - Calculation	222			mg/L	1	7	08/01/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U		mg/L	0.02	0.1	07/20/07 21:00	lbn
pH (lab)	150.1 / SM4500H+ B								
pH		8.3	H		units	0.1	0.1	07/16/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	07/16/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1320			mg/L	10	20	07/19/07 14:42	lcp
Sulfate	300.0 - Ion Chromatography	265			mg/L	5	30	07/25/07 13:31	jag
TDS (calculated)	Calculation	1330			mg/L	10	50	08/01/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.99						08/01/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704404

ACZ Sample ID: ***L63702-02***
Date Sampled: *07/07/07 09:00*
Date Received: *07/10/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.14		*	mg/L	0.01	0.02	07/13/07 11:27	scp
Calcium, dissolved	M200.7 ICP	211			mg/L	1	5	07/18/07 0:35	wfg
Iron, dissolved	M200.7 ICP		U		mg/L	0.1	0.3	07/18/07 0:35	wfg
Magnesium, dissolved	M200.7 ICP	121			mg/L	1	5	07/18/07 0:35	wfg
Potassium, dissolved	M200.7 ICP	3	B		mg/L	2	8	07/20/07 19:54	djt
Sodium, dissolved	M200.7 ICP	443			mg/L	2	8	07/18/07 0:35	wfg
Strontium, dissolved	M200.7 ICP	3.31			mg/L	0.05	0.3	07/20/07 0:08	wfg

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		403			mg/L	2	20	07/12/07 0:00	cas
Carbonate as CaCO3			U		mg/L	2	20	07/12/07 0:00	cas
Hydroxide as CaCO3			U		mg/L	2	20	07/12/07 0:00	cas
Total Alkalinity		403			mg/L	2	20	07/12/07 0:00	cas
Bromide	M300.0 - Ion Chromatography	1.9		*	mg/L	0.2	1	07/18/07 5:59	jag
Cation-Anion Balance	Calculation								
Cation-Anion Balance		4.6			%			08/02/07 0:00	calc
Sum of Anions		36.6			meq/L	0.1	0.5	08/02/07 0:00	calc
Sum of Cations		40.1			meq/L	0.1	0.5	08/02/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	460			mg/L	10	50	07/24/07 18:11	jag
Fluoride	M300.0 - Ion Chromatography	1.1		*	mg/L	0.2	1	07/18/07 5:59	jag
Hardness as CaCO3	SM2340B - Calculation	1020			mg/L	1	7	08/02/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	3.07			mg/L	0.02	0.1	07/14/07 19:52	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		7.9	H		units	0.1	0.1	07/12/07 0:00	cas
pH measured at		22.0			C	0.1	0.1	07/12/07 0:00	cas
Residue, Filterable (TDS) @180C	160.1 / SM2540C	2450	H	*	mg/L	10	20	07/23/07 15:10	aeh
Sulfate	300.0 - Ion Chromatography	740			mg/L	10	50	07/24/07 18:11	jag
TDS (calculated)	Calculation	2230			mg/L	10	50	08/02/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.10						08/02/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: L/01
Sample ID: 704423

ACZ Sample ID: ***L63269-01***
Date Sampled: *06/14/07 08:45*
Date Received: *06/16/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.16		*	mg/L	0.03	0.05	06/25/07 22:43	scp
Calcium, dissolved	M200.7 ICP	23.8			mg/L	0.2	1	06/27/07 11:31	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/27/07 11:31	msh
Magnesium, dissolved	M200.7 ICP	5.9			mg/L	0.2	1	06/27/07 11:31	msh
Potassium, dissolved	M200.7 ICP	1.9	B		mg/L	0.3	2	06/27/07 11:31	msh
Sodium, dissolved	M200.7 ICP	650			mg/L	2	50	06/27/07 11:31	msh
Strontium, dissolved	M200.7 ICP	1.01			mg/L	0.01	0.05	06/27/07 11:31	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		189			mg/L	2	20	06/23/07 0:00	cas
Carbonate as CaCO3		6	B		mg/L	2	20	06/23/07 0:00	cas
Hydroxide as CaCO3			U		mg/L	2	20	06/23/07 0:00	cas
Total Alkalinity		196			mg/L	2	20	06/23/07 0:00	cas
Bromide	M300.0 - Ion Chromatography	2	B	*	mg/L	2	10	07/02/07 21:44	jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		0.5			%			07/05/07 0:00	calc
Sum of Anions		30.0			meq/L	0.1	0.5	07/05/07 0:00	calc
Sum of Cations		30.3			meq/L	0.1	0.5	07/05/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	77.7		*	mg/L	0.5	3	06/27/07 14:14	jlf
Fluoride	M300.0 - Ion Chromatography	2.7		*	mg/L	0.1	0.5	06/27/07 14:14	jlf
Hardness as CaCO3	SM2340B - Calculation	84			mg/L	1	7	07/05/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.30			mg/L	0.02	0.1	06/22/07 21:54	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.5	H		units	0.1	0.1	06/21/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	06/21/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1880			mg/L	10	20	06/21/07 10:33	seb
Sulfate	300.0 - Ion Chromatography	1130		*	mg/L	10	50	07/02/07 21:44	jlf
TDS (calculated)	Calculation	2010			mg/L	10	50	07/05/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.94						07/05/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704426

ACZ Sample ID: ***L63491-01***
Date Sampled: *06/26/07 11:30*
Date Received: *06/28/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	69.2			mg/L	0.2	1	07/07/07 0:21	msh
Iron, dissolved	M200.7 ICP	0.03	B		mg/L	0.02	0.05	07/07/07 0:21	msh
Magnesium, dissolved	M200.7 ICP	10.1			mg/L	0.2	1	07/07/07 0:21	msh
Potassium, dissolved	M200.7 ICP	1.6	B	*	mg/L	0.3	2	07/07/07 0:21	msh
Selenium, dissolved	M200.8 ICP-MS	0.0014			mg/L	0.0001	0.0005	07/03/07 3:17	jjr
Sodium, dissolved	M200.7 ICP	448		*	mg/L	0.3	2	07/07/07 0:21	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		595			mg/L	2	20	06/29/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	06/29/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	06/29/07 0:00	lcp
Total Alkalinity		595		*	mg/L	2	20	06/29/07 0:00	lcp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-1.4			%			07/17/07 11:51	calc
Sum of Anions		24.7			meq/L	0.1	0.5	07/17/07 11:51	calc
Sum of Cations		24.0			meq/L	0.1	0.5	07/17/07 11:51	calc
Chloride	M300.0 - Ion Chromatography	332			mg/L	5	30	07/13/07 12:16	jag
Fluoride	M300.0 - Ion Chromatography	1.8			mg/L	0.1	0.5	07/12/07 22:34	jag
Hardness as CaCO3	SM2340B - Calculation	215			mg/L	1	7	07/17/07 11:51	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.17		*	mg/L	0.02	0.1	07/10/07 21:00	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.2	H		units	0.1	0.1	06/29/07 0:00	lcp
pH measured at		22.0			C	0.1	0.1	06/29/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1440			mg/L	10	20	07/02/07 11:41	aeh
Sulfate	300.0 - Ion Chromatography	164			mg/L	5	30	07/13/07 12:16	jag
TDS (calculated)	Calculation	1380			mg/L	10	50	07/17/07 11:51	calc
TDS (ratio - measured/calculated)	Calculation	1.04						07/17/07 11:51	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704434

ACZ Sample ID: ***L63279-01***
Date Sampled: *06/15/07 10:00*
Date Received: *06/19/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	87.8			mg/L	0.2	1	06/27/07 6:08	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/27/07 6:08	djt
Magnesium, dissolved	M200.7 ICP	25.9			mg/L	0.2	1	06/27/07 6:08	djt
Potassium, dissolved	M200.7 ICP	2.6		*	mg/L	0.3	2	06/27/07 6:08	djt
Selenium, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	06/22/07 19:32	jjr
Sodium, dissolved	M200.7 ICP	451			mg/L	0.3	2	06/27/07 6:08	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		233			mg/L	2	20	06/22/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	06/22/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/22/07 0:00	lcp/jlf
Total Alkalinity		233			mg/L	2	20	06/22/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		1.7			%			07/06/07 0:00	calc
Sum of Anions		25.5			meq/L	0.1	0.5	07/06/07 0:00	calc
Sum of Cations		26.4			meq/L	0.1	0.5	07/06/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	389			mg/L	5	30	06/28/07 15:47	jlf
Fluoride	M300.0 - Ion Chromatography	2.3		*	mg/L	0.1	0.5	06/27/07 18:28	jlf
Hardness as CaCO3	SM2340B - Calculation	326			mg/L	1	7	07/06/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.04	B		mg/L	0.02	0.1	06/27/07 22:02	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.1	H		units	0.1	0.1	06/21/07 0:00	lcp/jlf
pH measured at		21.0			C	0.1	0.1	06/21/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1570			mg/L	10	20	06/21/07 10:55	seb
Sulfate	300.0 - Ion Chromatography	468		*	mg/L	5	30	07/03/07 1:39	jlf
TDS (calculated)	Calculation	1570			mg/L	10	50	07/06/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.00						07/06/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704434

ACZ Sample ID: ***L63751-02***
Date Sampled: *06/15/07 10:00*
Date Received: *07/12/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.09		*	mg/L	0.01	0.02	07/13/07 11:44	scp
Strontium, dissolved	M200.7 ICP	2.27			mg/L	0.01	0.05	07/26/07 12:08	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Bromide	M300.0 - Ion Chromatography	2	BH	*	mg/L	1	5	07/17/07 3:12	jag

Note: This report is for additional analysis of the sample previously reported as ACZ project L63279-01.

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704440

ACZ Sample ID: ***L63876-06***
Date Sampled: *07/13/07 11:15*
Date Received: *07/17/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	41.7			mg/L	0.2	1	07/31/07 2:28	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/31/07 2:28	msh
Magnesium, dissolved	M200.7 ICP	48.9			mg/L	0.2	1	07/31/07 2:28	msh
Potassium, dissolved	M200.7 ICP	3.4			mg/L	0.3	2	07/31/07 2:28	msh
Selenium, dissolved	M200.8 ICP-MS	0.0099			mg/L	0.0001	0.0005	07/18/07 19:08	jjr
Sodium, dissolved	M200.7 ICP	53.6			mg/L	0.3	2	07/31/07 2:28	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		347			mg/L	2	20	07/19/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Total Alkalinity		347			mg/L	2	20	07/19/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		3.0			%			08/01/07 0:00	calc
Sum of Anions		8.0			meq/L	0.1	0.5	08/01/07 0:00	calc
Sum of Cations		8.5			meq/L	0.1	0.5	08/01/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	16.2			mg/L	0.5	3	07/25/07 0:32	jag
Fluoride	M300.0 - Ion Chromatography	0.2	B	*	mg/L	0.1	0.5	07/25/07 0:32	jag
Hardness as CaCO3	SM2340B - Calculation	305			mg/L	1	7	08/01/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	3.57		*	mg/L	0.02	0.1	07/26/07 20:16	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.2	H		units	0.1	0.1	07/19/07 0:00	lcp/jlf
pH measured at		21.0			C	0.1	0.1	07/19/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	430			mg/L	10	20	07/19/07 16:13	lcp
Sulfate	300.0 - Ion Chromatography	30.4		*	mg/L	0.5	3	07/25/07 0:32	jag
TDS (calculated)	Calculation	403			mg/L	10	50	08/01/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.07						08/01/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704444

ACZ Sample ID: ***L63876-03***
Date Sampled: *07/12/07 17:36*
Date Received: *07/17/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	256			mg/L	0.4	2	07/31/07 2:07	msh
Iron, dissolved	M200.7 ICP	0.51			mg/L	0.04	0.1	07/31/07 2:07	msh
Magnesium, dissolved	M200.7 ICP	153			mg/L	0.4	2	07/31/07 2:07	msh
Potassium, dissolved	M200.7 ICP	8.2			mg/L	0.6	3	07/31/07 2:07	msh
Selenium, dissolved	M200.8 ICP-MS	0.1490			mg/L	0.0001	0.0005	07/18/07 18:40	jjr
Sodium, dissolved	M200.7 ICP	546			mg/L	0.6	3	07/31/07 2:07	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		275			mg/L	2	20	07/19/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Total Alkalinity		275			mg/L	2	20	07/19/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-9.2			%			08/01/07 0:00	calc
Sum of Anions		59.6			meq/L	0.1	0.5	08/01/07 0:00	calc
Sum of Cations		49.6			meq/L	0.1	0.5	08/01/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	200	B		mg/L	50	300	07/25/07 14:44	jag
Fluoride	M300.0 - Ion Chromatography	0.7		*	mg/L	0.1	0.5	07/24/07 23:01	jag
Hardness as CaCO3	SM2340B - Calculation	1270			mg/L	1	7	08/01/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.88			mg/L	0.02	0.1	07/27/07 19:23	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.0	H		units	0.1	0.1	07/19/07 0:00	lcp/jlf
pH measured at		21.0			C	0.1	0.1	07/19/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	3360			mg/L	10	20	07/19/07 16:09	lcp
Sulfate	300.0 - Ion Chromatography	2310		*	mg/L	50	300	07/25/07 14:44	jag
TDS (calculated)	Calculation	3640			mg/L	10	50	08/01/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.92						08/01/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: L/01
Sample ID: 704454

ACZ Sample ID: ***L63269-03***
Date Sampled: *06/14/07 13:00*
Date Received: *06/16/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.13		*	mg/L	0.03	0.05	06/25/07 22:47	scp
Calcium, dissolved	M200.7 ICP	40.5			mg/L	0.2	1	06/27/07 11:44	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/27/07 11:44	msh
Magnesium, dissolved	M200.7 ICP	2.4			mg/L	0.2	1	06/27/07 11:44	msh
Potassium, dissolved	M200.7 ICP	1.8	B		mg/L	0.3	2	06/27/07 11:44	msh
Sodium, dissolved	M200.7 ICP	745			mg/L	2	50	06/27/07 11:44	msh
Strontium, dissolved	M200.7 ICP	1.59		*	mg/L	0.01	0.05	06/27/07 11:44	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		476			mg/L	2	20	06/23/07 0:00	cas
Carbonate as CaCO3			U		mg/L	2	20	06/23/07 0:00	cas
Hydroxide as CaCO3			U		mg/L	2	20	06/23/07 0:00	cas
Total Alkalinity		476			mg/L	2	20	06/23/07 0:00	cas
Bromide	M300.0 - Ion Chromatography	0.6	B	*	mg/L	0.2	1	06/27/07 14:50	jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-0.4			%			07/05/07 0:00	calc
Sum of Anions		35.4			meq/L	0.1	0.5	07/05/07 0:00	calc
Sum of Cations		35.1			meq/L	0.1	0.5	07/05/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	140		*	mg/L	1	5	06/27/07 14:50	jlf
Fluoride	M300.0 - Ion Chromatography	1.7		*	mg/L	0.2	1	06/27/07 14:50	jlf
Hardness as CaCO3	SM2340B - Calculation	111			mg/L	1	7	07/05/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.71			mg/L	0.02	0.1	06/22/07 22:18	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.3	H		units	0.1	0.1	06/21/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	06/21/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	2220			mg/L	10	20	06/21/07 10:37	seb
Sulfate	300.0 - Ion Chromatography	1040		*	mg/L	10	50	07/02/07 22:38	jlf
TDS (calculated)	Calculation	2260			mg/L	10	50	07/05/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.98						07/05/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: L/01
Sample ID: 704460

ACZ Sample ID: ***L63269-08***
Date Sampled: *06/14/07 15:45*
Date Received: *06/16/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	195			mg/L	0.4	2	06/27/07 18:36	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.04	0.1	06/27/07 18:36	djt
Magnesium, dissolved	M200.7 ICP	121			mg/L	0.4	2	06/27/07 18:36	djt
Potassium, dissolved	M200.7 ICP	3.5			mg/L	0.6	3	06/27/07 18:36	djt
Selenium, dissolved	M200.8 ICP-MS	0.1890			mg/L	0.0001	0.0005	06/19/07 14:45	jjr
Sodium, dissolved	M200.7 ICP	588		*	mg/L	0.6	3	06/27/07 18:36	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		317			mg/L	2	20	06/23/07 0:00	cas
Carbonate as CaCO3			U		mg/L	2	20	06/23/07 0:00	cas
Hydroxide as CaCO3			U		mg/L	2	20	06/23/07 0:00	cas
Total Alkalinity		317			mg/L	2	20	06/23/07 0:00	cas
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-6.3			%			07/05/07 0:00	calc
Sum of Anions		51.7			meq/L	0.1	0.5	07/05/07 0:00	calc
Sum of Cations		45.6			meq/L	0.1	0.5	07/05/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	214			mg/L	3	10	06/27/07 17:15	jlf
Fluoride	M300.0 - Ion Chromatography	1.4	B	*	mg/L	0.5	3	06/27/07 17:15	jlf
Hardness as CaCO3	SM2340B - Calculation	985			mg/L	1	7	07/05/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	3.50			mg/L	0.02	0.1	06/22/07 22:26	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.0	H		units	0.1	0.1	06/21/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	06/21/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	3020			mg/L	10	20	06/21/07 10:47	seb
Sulfate	300.0 - Ion Chromatography	1870		*	mg/L	30	100	07/03/07 0:45	jlf
TDS (calculated)	Calculation	3180			mg/L	10	50	07/05/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.95						07/05/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704475

ACZ Sample ID: ***L63876-08***
Date Sampled: *07/13/07 15:30*
Date Received: *07/17/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.13		*	mg/L	0.01	0.02	07/30/07 20:08	scp
Calcium, dissolved	M200.7 ICP	143			mg/L	0.4	2	07/31/07 2:45	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.04	0.1	07/31/07 2:45	msh
Magnesium, dissolved	M200.7 ICP	43.4			mg/L	0.4	2	07/31/07 2:45	msh
Potassium, dissolved	M200.7 ICP	5.0			mg/L	0.6	3	07/31/07 2:45	msh
Selenium, dissolved	M200.8 ICP-MS	0.0397			mg/L	0.0001	0.0005	07/18/07 19:20	jjr
Sodium, dissolved	M200.7 ICP	761			mg/L	0.6	3	07/31/07 2:45	msh
Strontium, dissolved	M200.7 ICP	5.01			mg/L	0.02	0.1	07/31/07 2:45	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		187			mg/L	2	20	07/19/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Total Alkalinity		187			mg/L	2	20	07/19/07 0:00	lcp/jlf
Bromide	M300.0 - Ion Chromatography		U	*	mg/L	10	50	07/26/07 16:35	jag
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-6.6			%			08/01/07 0:00	calc
Sum of Anions		50.7			meq/L	0.1	0.5	08/01/07 0:00	calc
Sum of Cations		44.4			meq/L	0.1	0.5	08/01/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	340			mg/L	50	300	07/25/07 15:20	jag
Fluoride	M300.0 - Ion Chromatography	0.2	B	*	mg/L	0.2	1	07/25/07 1:08	jag
Hardness as CaCO3	SM2340B - Calculation	536			mg/L	1	7	08/01/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	5.09		*	mg/L	0.06	0.3	07/26/07 21:10	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.0	H		units	0.1	0.1	07/19/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	07/19/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	2980			mg/L	10	20	07/19/07 16:16	lcp
Sulfate	300.0 - Ion Chromatography	1780		*	mg/L	50	300	07/25/07 15:20	jag
TDS (calculated)	Calculation	3190			mg/L	10	50	08/01/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.93						08/01/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704477

ACZ Sample ID: ***L63410-08***
Date Sampled: *06/22/07 09:30*
Date Received: *06/23/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.119		*	mg/L	0.005	0.01	06/28/07 17:42	jjr
Calcium, dissolved	M200.7 ICP	61.5			mg/L	0.2	1	06/29/07 22:11	msh
Iron, dissolved	M200.7 ICP	0.03	B		mg/L	0.02	0.05	06/29/07 22:11	msh
Magnesium, dissolved	M200.7 ICP	19.2			mg/L	0.2	1	06/29/07 22:11	msh
Potassium, dissolved	M200.7 ICP	3.5			mg/L	0.3	2	06/29/07 22:11	msh
Sodium, dissolved	M200.7 ICP	640			mg/L	0.6	3	07/02/07 18:41	djt
Strontium, dissolved	M200.7 ICP	1.98			mg/L	0.01	0.05	06/29/07 22:11	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		566			mg/L	2	20	06/26/07 0:00	aeh/jlf
Carbonate as CaCO3		17	B		mg/L	2	20	06/26/07 0:00	aeh/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/26/07 0:00	aeh/jlf
Total Alkalinity		583			mg/L	2	20	06/26/07 0:00	aeh/jlf
Bromide	M300.0 - Ion Chromatography	2	B	*	mg/L	2	10	07/10/07 18:11	jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-3.5			%			07/19/07 0:00	calc
Sum of Anions		35.3			meq/L	0.1	0.5	07/19/07 0:00	calc
Sum of Cations		32.9			meq/L	0.1	0.5	07/19/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	200		*	mg/L	10	50	07/10/07 18:11	jlf
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	2	10	07/10/07 18:11	jlf
Hardness as CaCO3	SM2340B - Calculation	233			mg/L	1	7	07/19/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.05	B	*	mg/L	0.02	0.1	06/28/07 22:52	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.3	H		units	0.1	0.1	06/26/07 0:00	aeh/jlf
pH measured at		21.0			C	0.1	0.1	06/26/07 0:00	aeh/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	2100			mg/L	10	20	06/27/07 15:42	seb
Sulfate	300.0 - Ion Chromatography	860			mg/L	10	50	07/10/07 18:11	jlf
TDS (calculated)	Calculation	2140			mg/L	10	50	07/19/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.98						07/19/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704479

ACZ Sample ID: ***L63410-09***
Date Sampled: *06/21/07 09:30*
Date Received: *06/23/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.5		*	mg/L	0.1	0.2	06/28/07 17:48	jjr
Calcium, dissolved	M200.7 ICP	125			mg/L	0.2	1	06/29/07 22:15	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/29/07 22:15	msh
Magnesium, dissolved	M200.7 ICP	306			mg/L	0.2	1	06/29/07 22:15	msh
Potassium, dissolved	M200.7 ICP	14.2			mg/L	0.3	2	06/29/07 22:15	msh
Sodium, dissolved	M200.7 ICP	2880			mg/L	3	20	07/02/07 18:45	djt
Strontium, dissolved	M200.7 ICP	5.73			mg/L	0.01	0.05	06/29/07 22:15	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		796			mg/L	2	20	06/26/07 0:00	aeh/jlf
Carbonate as CaCO3			U		mg/L	2	20	06/26/07 0:00	aeh/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/26/07 0:00	aeh/jlf
Total Alkalinity		796			mg/L	2	20	06/26/07 0:00	aeh/jlf
Bromide	M300.0 - Ion Chromatography	4	B	*	mg/L	2	10	07/10/07 18:29	jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-0.9			%			07/19/07 0:00	calc
Sum of Anions		162			meq/L	0.1	0.5	07/19/07 0:00	calc
Sum of Cations		159			meq/L	0.1	0.5	07/19/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	1790		*	mg/L	10	50	07/10/07 18:29	jlf
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	2	10	07/10/07 18:29	jlf
Hardness as CaCO3	SM2340B - Calculation	1570			mg/L	1	7	07/19/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	10.6		*	mg/L	0.1	0.5	06/28/07 23:07	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.2	H		units	0.1	0.1	06/26/07 0:00	aeh/jlf
pH measured at		21.0			C	0.1	0.1	06/26/07 0:00	aeh/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	10100	H	*	mg/L	10	20	07/12/07 11:13	aeh
Sulfate	300.0 - Ion Chromatography	4590			mg/L	50	300	07/11/07 12:24	jlf
TDS (calculated)	Calculation	10200			mg/L	10	50	07/19/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.99						07/19/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: L/01
Sample ID: 704500

ACZ Sample ID: ***L63269-10***
Date Sampled: *06/14/07 19:35*
Date Received: *06/16/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	25.8			mg/L	0.2	1	06/27/07 18:44	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/27/07 18:44	djt
Magnesium, dissolved	M200.7 ICP	8.4			mg/L	0.2	1	06/27/07 18:44	djt
Potassium, dissolved	M200.7 ICP	3.2			mg/L	0.3	2	06/27/07 18:44	djt
Selenium, dissolved	M200.8 ICP-MS	0.0161			mg/L	0.0001	0.0005	06/19/07 15:10	jjr
Sodium, dissolved	M200.7 ICP	349		*	mg/L	0.3	2	06/27/07 18:44	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		555			mg/L	2	20	06/23/07 0:00	cas
Carbonate as CaCO3			U		mg/L	2	20	06/23/07 0:00	cas
Hydroxide as CaCO3			U		mg/L	2	20	06/23/07 0:00	cas
Total Alkalinity		555			mg/L	2	20	06/23/07 0:00	cas
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-0.6			%			07/05/07 0:00	calc
Sum of Anions		17.6			meq/L	0.1	0.5	07/05/07 0:00	calc
Sum of Cations		17.4			meq/L	0.1	0.5	07/05/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	73.5			mg/L	0.5	3	06/27/07 18:09	jlf
Fluoride	M300.0 - Ion Chromatography	2.3		*	mg/L	0.1	0.5	06/27/07 18:09	jlf
Hardness as CaCO3	SM2340B - Calculation	99			mg/L	1	7	07/05/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.65			mg/L	0.02	0.1	06/22/07 21:56	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.2	H		units	0.1	0.1	06/21/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	06/21/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1020			mg/L	10	20	06/21/07 10:51	seb
Sulfate	300.0 - Ion Chromatography	204		*	mg/L	5	30	07/03/07 1:03	jlf
TDS (calculated)	Calculation	999			mg/L	10	50	07/05/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.02						07/05/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: L/01
Sample ID: 704501

ACZ Sample ID: ***L63269-07***
Date Sampled: *06/14/07 20:18*
Date Received: *06/16/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	73.9			mg/L	0.2	1	06/27/07 18:32	djt
Iron, dissolved	M200.7 ICP	0.06			mg/L	0.02	0.05	06/27/07 18:32	djt
Magnesium, dissolved	M200.7 ICP	44.2			mg/L	0.2	1	06/27/07 18:32	djt
Potassium, dissolved	M200.7 ICP	10.0			mg/L	0.3	2	06/27/07 18:32	djt
Selenium, dissolved	M200.8 ICP-MS	0.0025			mg/L	0.0001	0.0005	06/19/07 14:39	jjr
Sodium, dissolved	M200.7 ICP	480		*	mg/L	0.3	2	06/27/07 18:32	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		621			mg/L	2	20	06/23/07 0:00	cas
Carbonate as CaCO3			U		mg/L	2	20	06/23/07 0:00	cas
Hydroxide as CaCO3			U		mg/L	2	20	06/23/07 0:00	cas
Total Alkalinity		621			mg/L	2	20	06/23/07 0:00	cas
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-2.0			%			07/05/07 0:00	calc
Sum of Anions		29.9			meq/L	0.1	0.5	07/05/07 0:00	calc
Sum of Cations		28.7			meq/L	0.1	0.5	07/05/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	107			mg/L	3	10	06/27/07 16:39	jlf
Fluoride	M300.0 - Ion Chromatography	0.8	B	*	mg/L	0.5	3	06/27/07 16:39	jlf
Hardness as CaCO3	SM2340B - Calculation	366			mg/L	1	7	07/05/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U		mg/L	0.02	0.1	06/22/07 22:25	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.3	H		units	0.1	0.1	06/21/07 0:00	lcp/jlf
pH measured at		21.0			C	0.1	0.1	06/21/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1800			mg/L	10	20	06/21/07 10:45	seb
Sulfate	300.0 - Ion Chromatography	689		*	mg/L	5	30	07/03/07 0:27	jlf
TDS (calculated)	Calculation	1780			mg/L	10	50	07/05/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.01						07/05/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704516

ACZ Sample ID: ***L63250-06***
Date Sampled: *06/13/07 12:30*
Date Received: *06/15/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.073		*	mg/L	0.005	0.01	06/19/07 0:02	jjr
Calcium, dissolved	M200.7 ICP	18.6		*	mg/L	0.2	1	06/23/07 1:34	djt
Iron, dissolved	M200.7 ICP	0.05	B		mg/L	0.02	0.05	06/23/07 1:34	djt
Magnesium, dissolved	M200.7 ICP	4.7			mg/L	0.2	1	06/23/07 1:34	djt
Potassium, dissolved	M200.7 ICP	1.9	B		mg/L	0.3	2	06/23/07 1:34	djt
Sodium, dissolved	M200.7 ICP	576			mg/L	2	50	06/23/07 1:34	djt
Strontium, dissolved	M200.7 ICP	0.86		*	mg/L	0.01	0.05	06/23/07 1:34	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		336			mg/L	2	20	06/22/07 0:00	lcp/jlf
Carbonate as CaCO3		12	B		mg/L	2	20	06/22/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/22/07 0:00	lcp/jlf
Total Alkalinity		348			mg/L	2	20	06/22/07 0:00	lcp/jlf
Bromide	M300.0 - Ion Chromatography		U	*	mg/L	2	10	06/21/07 16:08	jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		3.1			%			07/02/07 12:27	calc
Sum of Anions		25.1			meq/L	0.1	0.5	07/02/07 12:27	calc
Sum of Cations		26.7			meq/L	0.1	0.5	07/02/07 12:27	calc
Chloride	M300.0 - Ion Chromatography	80			mg/L	10	50	06/21/07 16:08	jlf
Fluoride	M300.0 - Ion Chromatography	2.7		*	mg/L	0.1	0.5	06/20/07 21:33	jlf
Hardness as CaCO3	SM2340B - Calculation	66			mg/L	1	7	07/02/07 12:27	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.16		*	mg/L	0.02	0.1	06/22/07 21:26	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.4	H		units	0.1	0.1	06/21/07 0:00	lcp/jlf
pH measured at		21.0			C	0.1	0.1	06/21/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1590			mg/L	10	20	06/19/07 14:21	seb
Sulfate	300.0 - Ion Chromatography	750			mg/L	10	50	06/21/07 16:08	jlf
TDS (calculated)	Calculation	1650			mg/L	10	50	07/02/07 12:27	calc
TDS (ratio - measured/calculated)	Calculation	0.96						07/02/07 12:27	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704526

ACZ Sample ID: ***L63491-03***
Date Sampled: *06/25/07 18:15*
Date Received: *06/28/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.055		*	mg/L	0.005	0.01	07/05/07 12:30	jjr
Calcium, dissolved	M200.7 ICP	37.4			mg/L	0.4	2	07/07/07 0:45	msh
Iron, dissolved	M200.7 ICP	0.05	B		mg/L	0.04	0.1	07/07/07 0:45	msh
Magnesium, dissolved	M200.7 ICP	4.2			mg/L	0.4	2	07/07/07 0:45	msh
Potassium, dissolved	M200.7 ICP	1.6	B	*	mg/L	0.6	3	07/07/07 0:45	msh
Selenium, dissolved	M200.8 ICP-MS	0.0878			mg/L	0.0001	0.0005	07/03/07 3:40	jjr
Sodium, dissolved	M200.7 ICP	677		*	mg/L	0.6	3	07/07/07 0:45	msh
Strontium, dissolved	M200.7 ICP	1.41		*	mg/L	0.02	0.1	07/07/07 0:45	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		93			mg/L	2	20	06/29/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	06/29/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	06/29/07 0:00	lcp
Total Alkalinity		93		*	mg/L	2	20	06/29/07 0:00	lcp
Bromide	M300.0 - Ion Chromatography	1.3		*	mg/L	0.2	1	07/12/07 23:46	jag
Cation-Anion Balance	Calculation								
Cation-Anion Balance		0.5			%			07/17/07 11:51	calc
Sum of Anions		31.8			meq/L	0.1	0.5	07/17/07 11:51	calc
Sum of Cations		32.1			meq/L	0.1	0.5	07/17/07 11:51	calc
Chloride	M300.0 - Ion Chromatography	250			mg/L	10	50	07/13/07 13:28	jag
Fluoride	M300.0 - Ion Chromatography	4.2			mg/L	0.2	1	07/12/07 23:46	jag
Hardness as CaCO3	SM2340B - Calculation	111			mg/L	1	7	07/17/07 11:51	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	3.14		*	mg/L	0.02	0.1	07/07/07 17:05	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.2	H		units	0.1	0.1	06/29/07 0:00	lcp
pH measured at		22.0			C	0.1	0.1	06/29/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	2060			mg/L	10	20	07/02/07 11:53	aeh
Sulfate	300.0 - Ion Chromatography	1080			mg/L	10	50	07/13/07 13:28	jag
TDS (calculated)	Calculation	2110			mg/L	10	50	07/17/07 11:51	calc
TDS (ratio - measured/calculated)	Calculation	0.98						07/17/07 11:51	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704527

ACZ Sample ID: ***L63410-06***
Date Sampled: *06/21/07 12:30*
Date Received: *06/23/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	49.6			mg/L	0.2	1	06/29/07 22:03	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/29/07 22:03	msh
Magnesium, dissolved	M200.7 ICP	39.2			mg/L	0.2	1	06/29/07 22:03	msh
Potassium, dissolved	M200.7 ICP	3.1			mg/L	0.3	2	06/29/07 22:03	msh
Selenium, dissolved	M200.8 ICP-MS	0.0045			mg/L	0.0001	0.0005	06/26/07 21:17	jjr
Sodium, dissolved	M200.7 ICP	26.4			mg/L	0.3	2	06/29/07 22:03	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		282			mg/L	2	20	06/26/07 0:00	aeh/jlf
Carbonate as CaCO3		2	B		mg/L	2	20	06/26/07 0:00	aeh/jlf
Hydroxide as CaCO3			U		mg/L	2	20	06/26/07 0:00	aeh/jlf
Total Alkalinity		285			mg/L	2	20	06/26/07 0:00	aeh/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		2.2			%			07/19/07 0:00	calc
Sum of Anions		6.6			meq/L	0.1	0.5	07/19/07 0:00	calc
Sum of Cations		6.9			meq/L	0.1	0.5	07/19/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	20.3		*	mg/L	0.5	3	07/11/07 11:48	jlf
Fluoride	M300.0 - Ion Chromatography	0.2	B	*	mg/L	0.1	0.5	07/11/07 11:48	jlf
Hardness as CaCO3	SM2340B - Calculation	285			mg/L	1	7	07/19/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	2.36		*	mg/L	0.02	0.1	06/28/07 22:47	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.3	H		units	0.1	0.1	06/26/07 0:00	aeh/jlf
pH measured at		21.0			C	0.1	0.1	06/26/07 0:00	aeh/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C	350			mg/L	10	20	06/27/07 15:38	seb
Sulfate	300.0 - Ion Chromatography	19.0			mg/L	0.5	3	07/11/07 11:48	jlf
TDS (calculated)	Calculation	329			mg/L	10	50	07/19/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.06						07/19/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704534

ACZ Sample ID: ***L63673-03***
Date Sampled: *07/06/07 15:00*
Date Received: *07/09/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.19		*	mg/L	0.01	0.02	07/13/07 11:23	scp
Calcium, dissolved	M200.7 ICP	84.0			mg/L	0.2	1	07/17/07 22:34	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/17/07 22:34	djt
Magnesium, dissolved	M200.7 ICP	38.8			mg/L	0.2	1	07/17/07 22:34	djt
Potassium, dissolved	M200.7 ICP	2.8			mg/L	0.3	2	07/17/07 22:34	djt
Sodium, dissolved	M200.7 ICP	437		*	mg/L	0.3	2	07/17/07 22:34	djt
Strontium, dissolved	M200.7 ICP	2.81		*	mg/L	0.01	0.05	07/17/07 22:34	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		553			mg/L	2	20	07/11/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	07/11/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	07/11/07 0:00	lcp
Total Alkalinity		553			mg/L	2	20	07/11/07 0:00	lcp
Bromide	M300.0 - Ion Chromatography		U	*	mg/L	2	10	07/18/07 12:06	jag
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-0.2			%			07/30/07 0:00	calc
Sum of Anions		26.8			meq/L	0.1	0.5	07/30/07 0:00	calc
Sum of Cations		26.7			meq/L	0.1	0.5	07/30/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	37.5			mg/L	0.5	3	07/18/07 5:05	jag
Fluoride	M300.0 - Ion Chromatography	0.7		*	mg/L	0.1	0.5	07/18/07 5:05	jag
Hardness as CaCO3	SM2340B - Calculation	369			mg/L	1	7	07/30/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.39		*	mg/L	0.02	0.1	07/14/07 19:35	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.1	H		units	0.1	0.1	07/11/07 0:00	lcp
pH measured at		22.0			C	0.1	0.1	07/11/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1600	H	*	mg/L	10	20	07/24/07 10:55	ear/lcp
Sulfate	300.0 - Ion Chromatography	700			mg/L	10	50	07/18/07 12:06	jag
TDS (calculated)	Calculation	1640			mg/L	10	50	07/30/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.98						07/30/07 0:00	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704534

ACZ Sample ID: ***L63673-03***
Date Sampled: *07/06/07 15:00*
Date Received: *07/09/07*
Sample Matrix: *Ground Water*

Methane

Analysis Method: **RSK 175 (GC/FID)**
Extract Method:

Workgroup: WG227982
Analyst: jj
Extract Date:
Analysis Date: 07/10/07 9:42

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Methane	74-82-8		U	1	*	mg/L	0.002	0.002

Task 1 QA/QC

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703024-A

ACZ Sample ID: ***L64876-04***
Date Sampled: *09/05/07 15:15*
Date Received: *09/07/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	90.2			mg/L	0.2	1	09/10/07 20:38	erf
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	09/11/07 14:20	msh
Magnesium, dissolved	M200.7 ICP	63.5			mg/L	0.2	1	09/10/07 20:38	erf
Potassium, dissolved	M200.7 ICP	3.9		*	mg/L	0.3	2	09/10/07 20:38	erf
Selenium, dissolved	M200.8 ICP-MS	0.0083			mg/L	0.0001	0.0005	09/13/07 7:11	scp
Sodium, dissolved	M200.7 ICP	116			mg/L	0.3	2	09/10/07 20:38	erf

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		499			mg/L	2	20	09/10/07 0:00	aeh
Carbonate as CaCO3			U		mg/L	2	20	09/10/07 0:00	aeh
Hydroxide as CaCO3			U		mg/L	2	20	09/10/07 0:00	aeh
Total Alkalinity		499			mg/L	2	20	09/10/07 0:00	aeh
Cation-Anion Balance	Calculation								
Cation-Anion Balance		3.5			%			10/16/07 0:00	calc
Sum of Anions		13.9			meq/L	0.1	0.5	10/16/07 0:00	calc
Sum of Cations		14.9			meq/L	0.1	0.5	10/16/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	9.0			mg/L	0.5	3	09/22/07 17:25	ccp
Fluoride	M300.0 - Ion Chromatography	0.4	B		mg/L	0.1	0.5	09/22/07 17:25	ccp
Hardness as CaCO3	SM2340B - Calculation	486			mg/L	1	7	10/16/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	4.45		*	mg/L	0.04	0.2	09/15/07 15:55	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.1	H		units	0.1	0.1	09/10/07 0:00	aeh
pH measured at		21.0			C	0.1	0.1	09/10/07 0:00	aeh
Residue, Filterable (TDS) @180C	160.1 / SM2540C	760			mg/L	10	20	09/07/07 16:51	ear
Sulfate	300.0 - Ion Chromatography	172			mg/L	2	8	09/24/07 19:00	ccp
TDS (calculated)	Calculation	754			mg/L	10	50	10/16/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.01						10/16/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703266-A

ACZ Sample ID: ***L64876-04***
Date Sampled: *09/05/07 15:15*
Date Received: *09/07/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	90.2			mg/L	0.2	1	09/10/07 20:38	erf
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	09/11/07 14:20	msh
Magnesium, dissolved	M200.7 ICP	63.5			mg/L	0.2	1	09/10/07 20:38	erf
Potassium, dissolved	M200.7 ICP	3.9		*	mg/L	0.3	2	09/10/07 20:38	erf
Selenium, dissolved	M200.8 ICP-MS	0.0083			mg/L	0.0001	0.0005	09/13/07 7:11	scp
Sodium, dissolved	M200.7 ICP	116			mg/L	0.3	2	09/10/07 20:38	erf

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		499			mg/L	2	20	09/10/07 0:00	aeh
Carbonate as CaCO3			U		mg/L	2	20	09/10/07 0:00	aeh
Hydroxide as CaCO3			U		mg/L	2	20	09/10/07 0:00	aeh
Total Alkalinity		499			mg/L	2	20	09/10/07 0:00	aeh
Cation-Anion Balance	Calculation								
Cation-Anion Balance		3.5			%			10/02/07 0:00	calc
Sum of Anions		13.9			meq/L	0.1	0.5	10/02/07 0:00	calc
Sum of Cations		14.9			meq/L	0.1	0.5	10/02/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	9.0			mg/L	0.5	3	09/22/07 17:25	ccp
Fluoride	M300.0 - Ion Chromatography	0.4	B		mg/L	0.1	0.5	09/22/07 17:25	ccp
Hardness as CaCO3	SM2340B - Calculation	486			mg/L	1	7	10/02/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	4.45		*	mg/L	0.04	0.2	09/15/07 15:55	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.1	H		units	0.1	0.1	09/10/07 0:00	aeh
pH measured at		21.0			C	0.1	0.1	09/10/07 0:00	aeh
Residue, Filterable (TDS) @180C	160.1 / SM2540C	760			mg/L	10	20	09/07/07 16:51	ear
Sulfate	300.0 - Ion Chromatography	172			mg/L	2	8	09/24/07 19:00	ccp
TDS (calculated)	Calculation	754			mg/L	10	50	10/02/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.01						10/02/07 0:00	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703803-A

ACZ Sample ID: ***L64876-05***
Date Sampled: *09/05/07 14:00*
Date Received: *09/07/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	100			mg/L	0.2	1	09/10/07 20:43	erf
Iron, dissolved	M200.7 ICP	0.05			mg/L	0.02	0.05	09/11/07 14:23	msh
Magnesium, dissolved	M200.7 ICP	47.8			mg/L	0.2	1	09/10/07 20:43	erf
Potassium, dissolved	M200.7 ICP	1.7	B	*	mg/L	0.3	2	09/10/07 20:43	erf
Selenium, dissolved	M200.8 ICP-MS	0.0165			mg/L	0.0001	0.0005	09/13/07 7:17	scp
Sodium, dissolved	M200.7 ICP	138			mg/L	0.3	2	09/10/07 20:43	erf

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		544			mg/L	2	20	09/10/07 0:00	aeh
Carbonate as CaCO3			U		mg/L	2	20	09/10/07 0:00	aeh
Hydroxide as CaCO3			U		mg/L	2	20	09/10/07 0:00	aeh
Total Alkalinity		544			mg/L	2	20	09/10/07 0:00	aeh
Cation-Anion Balance	Calculation								
Cation-Anion Balance		2.4			%			10/02/07 0:00	calc
Sum of Anions		14.3			meq/L	0.1	0.5	10/02/07 0:00	calc
Sum of Cations		15.0			meq/L	0.1	0.5	10/02/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	99.9			mg/L	0.5	3	09/22/07 17:43	ccp
Fluoride	M300.0 - Ion Chromatography	0.9			mg/L	0.1	0.5	09/22/07 17:43	ccp
Hardness as CaCO3	SM2340B - Calculation	446			mg/L	1	7	10/02/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.87		*	mg/L	0.02	0.1	09/15/07 15:30	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.0	H		units	0.1	0.1	09/10/07 0:00	aeh
pH measured at		21.0			C	0.1	0.1	09/10/07 0:00	aeh
Residue, Filterable (TDS) @180C	160.1 / SM2540C	720			mg/L	10	20	09/07/07 16:53	ear
Sulfate	300.0 - Ion Chromatography	29.7			mg/L	0.5	3	09/22/07 17:43	ccp
TDS (calculated)	Calculation	744			mg/L	10	50	10/02/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.97						10/02/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703866-A

ACZ Sample ID: ***L64877-04***
Date Sampled: *09/06/07 10:30*
Date Received: *09/07/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	71.4			mg/L	0.2	1	09/11/07 19:12	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	09/11/07 19:12	msh
Magnesium, dissolved	M200.7 ICP	44.8			mg/L	0.2	1	09/11/07 19:12	msh
Potassium, dissolved	M200.7 ICP	0.4	B		mg/L	0.3	2	09/11/07 19:12	msh
Sodium, dissolved	M200.7 ICP	125			mg/L	0.3	2	09/11/07 19:12	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		520			mg/L	2	20	09/10/07 0:00	aeh
Carbonate as CaCO3			U		mg/L	2	20	09/10/07 0:00	aeh
Hydroxide as CaCO3			U		mg/L	2	20	09/10/07 0:00	aeh
Total Alkalinity		520			mg/L	2	20	09/10/07 0:00	aeh
Cation-Anion Balance	Calculation								
Cation-Anion Balance		0.8			%			10/02/07 0:00	calc
Sum of Anions		12.6			meq/L	0.1	0.5	10/02/07 0:00	calc
Sum of Cations		12.8			meq/L	0.1	0.5	10/02/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	22.4			mg/L	0.5	3	09/22/07 20:08	ccp
Hardness as CaCO3	SM2340B - Calculation	363			mg/L	1	7	10/02/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.03	B		mg/L	0.02	0.1	09/15/07 15:45	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.1	H		units	0.1	0.1	09/10/07 0:00	aeh
pH measured at		21.0			C	0.1	0.1	09/10/07 0:00	aeh
Residue, Filterable (TDS) @180C	160.1 / SM2540C	650			mg/L	10	20	09/12/07 14:21	lcp
Sulfate	300.0 - Ion Chromatography	75.4			mg/L	0.5	3	09/22/07 20:08	ccp
TDS (calculated)	Calculation	651			mg/L	10	50	10/02/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.00						10/02/07 0:00	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703866-A

ACZ Sample ID: ***L64877-04***
Date Sampled: *09/06/07 10:30*
Date Received: *09/07/07*
Sample Matrix: *Ground Water*

Methane

Analysis Method: **RSK 175 (GC/FID)**
Extract Method:

Workgroup: WG231930
Analyst: jj
Extract Date:
Analysis Date: 09/10/07 17:40

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Methane	74-82-8	0.003		1	*	mg/L	0.002	0.002

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703866-A-DUP

ACZ Sample ID: ***L64877-03***
Date Sampled: *09/06/07 10:30*
Date Received: *09/07/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	70.3			mg/L	0.2	1	09/11/07 19:08	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	09/11/07 19:08	msh
Magnesium, dissolved	M200.7 ICP	44.3			mg/L	0.2	1	09/11/07 19:08	msh
Potassium, dissolved	M200.7 ICP	0.5	B		mg/L	0.3	2	09/11/07 19:08	msh
Sodium, dissolved	M200.7 ICP	124			mg/L	0.3	2	09/11/07 19:08	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		525			mg/L	2	20	09/10/07 0:00	aeh
Carbonate as CaCO3			U		mg/L	2	20	09/10/07 0:00	aeh
Hydroxide as CaCO3			U		mg/L	2	20	09/10/07 0:00	aeh
Total Alkalinity		525			mg/L	2	20	09/10/07 0:00	aeh
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-0.4			%			10/02/07 0:00	calc
Sum of Anions		12.7			meq/L	0.1	0.5	10/02/07 0:00	calc
Sum of Cations		12.6			meq/L	0.1	0.5	10/02/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	22.3			mg/L	0.5	3	09/22/07 19:50	ccp
Hardness as CaCO3	SM2340B - Calculation	358			mg/L	1	7	10/02/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.03	B		mg/L	0.02	0.1	09/15/07 15:44	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.1	H		units	0.1	0.1	09/10/07 0:00	aeh
pH measured at		21.0			C	0.1	0.1	09/10/07 0:00	aeh
Residue, Filterable (TDS) @180C	160.1 / SM2540C	660			mg/L	10	20	09/12/07 14:20	lcp
Sulfate	300.0 - Ion Chromatography	75.6			mg/L	0.5	3	09/22/07 19:50	ccp
TDS (calculated)	Calculation	652			mg/L	10	50	10/02/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.01						10/02/07 0:00	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703866-A-DUP

ACZ Sample ID: ***L64877-03***
Date Sampled: *09/06/07 10:30*
Date Received: *09/07/07*
Sample Matrix: *Ground Water*

Methane

Analysis Method: **RSK 175 (GC/FID)**
Extract Method:

Workgroup: WG231930
Analyst: jj
Extract Date:
Analysis Date: 09/10/07 17:10

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Methane	74-82-8	0.009		1	*	mg/L	0.002	0.002

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 703967-A

ACZ Sample ID: ***L64876-02***
Date Sampled: *09/05/07 13:15*
Date Received: *09/07/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	73.0			mg/L	0.2	1	09/10/07 20:13	erf
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	09/11/07 13:59	msh
Magnesium, dissolved	M200.7 ICP	47.2			mg/L	0.2	1	09/10/07 20:13	erf
Potassium, dissolved	M200.7 ICP	3.1		*	mg/L	0.3	2	09/10/07 20:13	erf
Selenium, dissolved	M200.8 ICP-MS	0.0448			mg/L	0.0001	0.0005	09/13/07 6:38	scp
Sodium, dissolved	M200.7 ICP	408			mg/L	0.3	2	09/10/07 20:13	erf

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		583			mg/L	2	20	09/10/07 0:00	aeh
Carbonate as CaCO3			U		mg/L	2	20	09/10/07 0:00	aeh
Hydroxide as CaCO3			U		mg/L	2	20	09/10/07 0:00	aeh
Total Alkalinity		583			mg/L	2	20	09/10/07 0:00	aeh
Cation-Anion Balance	Calculation								
Cation-Anion Balance		0.4			%			10/02/07 0:00	calc
Sum of Anions		25.4			meq/L	0.1	0.5	10/02/07 0:00	calc
Sum of Cations		25.6			meq/L	0.1	0.5	10/02/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	85.0			mg/L	0.5	3	09/22/07 16:12	ccp
Fluoride	M300.0 - Ion Chromatography	1.3			mg/L	0.1	0.5	09/22/07 16:12	ccp
Hardness as CaCO3	SM2340B - Calculation	376			mg/L	1	7	10/02/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.81		*	mg/L	0.02	0.1	09/15/07 15:27	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.1	H		units	0.1	0.1	09/10/07 0:00	aeh
pH measured at		21.0			C	0.1	0.1	09/10/07 0:00	aeh
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1470			mg/L	10	20	09/07/07 16:46	ear
Sulfate	300.0 - Ion Chromatography	538			mg/L	5	30	09/24/07 17:47	ccp
TDS (calculated)	Calculation	1510			mg/L	10	50	10/02/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.97						10/02/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704011-A

ACZ Sample ID: ***L64876-06***
Date Sampled: *09/05/07 16:00*
Date Received: *09/07/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	31.6			mg/L	0.2	1	09/10/07 20:47	erf
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	09/11/07 14:26	msh
Magnesium, dissolved	M200.7 ICP	51.8			mg/L	0.2	1	09/10/07 20:47	erf
Potassium, dissolved	M200.7 ICP	3.7		*	mg/L	0.3	2	09/10/07 20:47	erf
Selenium, dissolved	M200.8 ICP-MS	0.0032			mg/L	0.0001	0.0005	09/13/07 7:22	scp
Sodium, dissolved	M200.7 ICP	69.7			mg/L	0.3	2	09/10/07 20:47	erf

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		374			mg/L	2	20	09/10/07 0:00	aeh
Carbonate as CaCO3		12	B		mg/L	2	20	09/10/07 0:00	aeh
Hydroxide as CaCO3			U		mg/L	2	20	09/10/07 0:00	aeh
Total Alkalinity		386			mg/L	2	20	09/10/07 0:00	aeh
Cation-Anion Balance	Calculation								
Cation-Anion Balance		2.3			%			10/02/07 0:00	calc
Sum of Anions		8.5			meq/L	0.1	0.5	10/02/07 0:00	calc
Sum of Cations		8.9			meq/L	0.1	0.5	10/02/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	8.8			mg/L	0.5	3	09/22/07 18:01	ccp
Fluoride	M300.0 - Ion Chromatography	0.3	B		mg/L	0.1	0.5	09/22/07 18:01	ccp
Hardness as CaCO3	SM2340B - Calculation	292			mg/L	1	7	10/02/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1.41			mg/L	0.02	0.1	09/15/07 15:33	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.4	H		units	0.1	0.1	09/10/07 0:00	aeh
pH measured at		21.0			C	0.1	0.1	09/10/07 0:00	aeh
Residue, Filterable (TDS) @180C	160.1 / SM2540C	420			mg/L	10	20	09/07/07 16:55	ear
Sulfate	300.0 - Ion Chromatography	28.6			mg/L	0.5	3	09/22/07 18:01	ccp
TDS (calculated)	Calculation	431			mg/L	10	50	10/02/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.97						10/02/07 0:00	calc

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704011-A-DUP

ACZ Sample ID: ***L64876-01***
Date Sampled: *09/05/07 16:00*
Date Received: *09/07/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	30.8			mg/L	0.2	1	09/10/07 20:09	erf
Iron, dissolved	M200.7 ICP		U	*	mg/L	0.02	0.05	09/11/07 13:55	msh
Magnesium, dissolved	M200.7 ICP	50.1			mg/L	0.2	1	09/10/07 20:09	erf
Potassium, dissolved	M200.7 ICP	3.4		*	mg/L	0.3	2	09/10/07 20:09	erf
Selenium, dissolved	M200.8 ICP-MS	0.0037			mg/L	0.0001	0.0005	09/13/07 6:32	scp
Sodium, dissolved	M200.7 ICP	67.9			mg/L	0.3	2	09/10/07 20:09	erf

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		375			mg/L	2	20	09/10/07 0:00	aeh
Carbonate as CaCO3		10	B		mg/L	2	20	09/10/07 0:00	aeh
Hydroxide as CaCO3			U		mg/L	2	20	09/10/07 0:00	aeh
Total Alkalinity		386			mg/L	2	20	09/10/07 0:00	aeh
Cation-Anion Balance	Calculation								
Cation-Anion Balance		1.2			%			10/02/07 0:00	calc
Sum of Anions		8.5			meq/L	0.1	0.5	10/02/07 0:00	calc
Sum of Cations		8.7			meq/L	0.1	0.5	10/02/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	8.8			mg/L	0.5	3	09/22/07 15:54	ccp
Fluoride	M300.0 - Ion Chromatography	0.3	B	*	mg/L	0.1	0.5	09/22/07 15:54	ccp
Hardness as CaCO3	SM2340B - Calculation	283			mg/L	1	7	10/02/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1.34		*	mg/L	0.02	0.1	09/15/07 15:26	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.3	H		units	0.1	0.1	09/10/07 0:00	aeh
pH measured at		21.0			C	0.1	0.1	09/10/07 0:00	aeh
Residue, Filterable (TDS) @180C	160.1 / SM2540C	420			mg/L	10	20	09/07/07 16:44	ear
Sulfate	300.0 - Ion Chromatography	28.6			mg/L	0.5	3	09/22/07 15:54	ccp
TDS (calculated)	Calculation	425			mg/L	10	50	10/02/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.99						10/02/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704050-A

ACZ Sample ID: ***L64877-02***
Date Sampled: *09/06/07 09:00*
Date Received: *09/07/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	65.8			mg/L	0.2	1	09/11/07 19:04	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	09/11/07 19:04	msh
Magnesium, dissolved	M200.7 ICP	35.9			mg/L	0.2	1	09/11/07 19:04	msh
Potassium, dissolved	M200.7 ICP	3.7			mg/L	0.3	2	09/11/07 19:04	msh
Sodium, dissolved	M200.7 ICP	706			mg/L	0.6	3	09/26/07 23:27	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		528			mg/L	2	20	09/10/07 0:00	aeh
Carbonate as CaCO3			U		mg/L	2	20	09/10/07 0:00	aeh
Hydroxide as CaCO3			U		mg/L	2	20	09/10/07 0:00	aeh
Total Alkalinity		528			mg/L	2	20	09/10/07 0:00	aeh
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-1.3			%			10/02/07 0:00	calc
Sum of Anions		38.4			meq/L	0.1	0.5	10/02/07 0:00	calc
Sum of Cations		37.4			meq/L	0.1	0.5	10/02/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	170			mg/L	10	50	09/28/07 16:45	jlf
Hardness as CaCO3	SM2340B - Calculation	312			mg/L	1	7	10/02/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	4.57			mg/L	0.04	0.2	09/15/07 15:59	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.3	H		units	0.1	0.1	09/10/07 0:00	aeh
pH measured at		21.0			C	0.1	0.1	09/10/07 0:00	aeh
Residue, Filterable (TDS) @180C	160.1 / SM2540C	2410			mg/L	10	20	09/12/07 14:18	lcp
Sulfate	300.0 - Ion Chromatography	1100			mg/L	10	50	09/28/07 16:45	jlf
TDS (calculated)	Calculation	2400			mg/L	10	50	10/02/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.00						10/02/07 0:00	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704050-A

ACZ Sample ID: ***L64877-02***
Date Sampled: *09/06/07 9:00*
Date Received: *09/07/07*
Sample Matrix: *Ground Water*

Methane

Analysis Method: **RSK 175 (GC/FID)**
Extract Method:

Workgroup: WG231930
Analyst: jj
Extract Date:
Analysis Date: 09/10/07 18:29

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Methane	74-82-8	1.74		25	*	mg/L	0.05	0.05

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704477-A

ACZ Sample ID: ***L64876-07***
Date Sampled: *09/05/07 17:45*
Date Received: *09/07/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.122		*	mg/L	0.005	0.01	09/25/07 17:50	msh
Calcium, dissolved	M200.7 ICP	58.6			mg/L	0.2	1	09/10/07 20:51	erf
Iron, dissolved	M200.7 ICP		U		mg/L	0.04	0.1	09/11/07 14:30	msh
Magnesium, dissolved	M200.7 ICP	19.7			mg/L	0.2	1	09/10/07 20:51	erf
Potassium, dissolved	M200.7 ICP	3.2		*	mg/L	0.3	2	09/10/07 20:51	erf
Sodium, dissolved	M200.7 ICP	578			mg/L	0.6	3	09/11/07 14:30	msh
Strontium, dissolved	M200.7 ICP	1.69			mg/L	0.02	0.1	09/11/07 14:30	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		533			mg/L	2	20	09/10/07 0:00	aeh
Carbonate as CaCO3		7	B		mg/L	2	20	09/10/07 0:00	aeh
Hydroxide as CaCO3			U		mg/L	2	20	09/10/07 0:00	aeh
Total Alkalinity		540			mg/L	2	20	09/10/07 0:00	aeh
Bromide	M300.0 - Ion Chromatography		U	*	mg/L	2	10	09/24/07 19:18	ccp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-5.2			%			10/02/07 0:00	calc
Sum of Anions		33.4			meq/L	0.1	0.5	10/02/07 0:00	calc
Sum of Cations		30.1			meq/L	0.1	0.5	10/02/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	190			mg/L	10	50	09/28/07 16:08	jlf
Fluoride	M300.0 - Ion Chromatography	2.0			mg/L	0.1	0.5	09/22/07 18:55	ccp
Hardness as CaCO3	SM2340B - Calculation	227			mg/L	1	7	10/02/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.22			mg/L	0.02	0.1	09/15/07 15:56	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.3	H		units	0.1	0.1	09/10/07 0:00	aeh
pH measured at		21.0			C	0.1	0.1	09/10/07 0:00	aeh
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1930			mg/L	10	20	09/07/07 16:57	ear
Sulfate	300.0 - Ion Chromatography	820			mg/L	10	50	09/28/07 16:08	jlf
TDS (calculated)	Calculation	2000			mg/L	10	50	10/02/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.97						10/02/07 0:00	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 704477-A-DUP

ACZ Sample ID: ***L64876-03***
Date Sampled: *09/05/07 17:45*
Date Received: *09/07/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.118		*	mg/L	0.005	0.01	09/25/07 17:44	msh
Calcium, dissolved	M200.7 ICP	56.6			mg/L	0.2	1	09/10/07 20:17	erf
Iron, dissolved	M200.7 ICP		U		mg/L	0.04	0.1	09/11/07 14:09	msh
Magnesium, dissolved	M200.7 ICP	19.1			mg/L	0.2	1	09/10/07 20:17	erf
Potassium, dissolved	M200.7 ICP	3.0		*	mg/L	0.3	2	09/10/07 20:17	erf
Sodium, dissolved	M200.7 ICP	623			mg/L	0.6	3	09/11/07 14:09	msh
Strontium, dissolved	M200.7 ICP	1.82			mg/L	0.02	0.1	09/11/07 14:09	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		539			mg/L	2	20	09/10/07 0:00	aeh
Carbonate as CaCO3			U		mg/L	2	20	09/10/07 0:00	aeh
Hydroxide as CaCO3			U		mg/L	2	20	09/10/07 0:00	aeh
Total Alkalinity		539			mg/L	2	20	09/10/07 0:00	aeh
Bromide	M300.0 - Ion Chromatography	2	B	*	mg/L	1	5	09/24/07 18:42	ccp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		0.8			%			10/02/07 0:00	calc
Sum of Anions		31.4			meq/L	0.1	0.5	10/02/07 0:00	calc
Sum of Cations		31.9			meq/L	0.1	0.5	10/02/07 0:00	calc
Chloride	M300.0 - Ion Chromatography	168			mg/L	5	30	09/24/07 18:42	ccp
Fluoride	M300.0 - Ion Chromatography	2.0			mg/L	0.1	0.5	09/22/07 17:07	ccp
Hardness as CaCO3	SM2340B - Calculation	220			mg/L	1	7	10/02/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.18		*	mg/L	0.02	0.1	09/15/07 15:28	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		8.2	H		units	0.1	0.1	09/10/07 0:00	aeh
pH measured at		21.0			C	0.1	0.1	09/10/07 0:00	aeh
Residue, Filterable (TDS) @180C	160.1 / SM2540C	1910			mg/L	10	20	09/07/07 16:48	ear
Sulfate	300.0 - Ion Chromatography	751			mg/L	5	30	09/24/07 18:42	ccp
TDS (calculated)	Calculation	1950			mg/L	10	50	10/02/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.98						10/02/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: CACY-B

ACZ Sample ID: ***L63876-09***
Date Sampled: *07/14/07 10:00*
Date Received: *07/17/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP		U		mg/L	0.2	1	07/31/07 2:49	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/31/07 2:49	msh
Magnesium, dissolved	M200.7 ICP		U		mg/L	0.2	1	07/31/07 2:49	msh
Potassium, dissolved	M200.7 ICP		U		mg/L	0.3	2	07/31/07 2:49	msh
Selenium, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	07/18/07 19:26	jjr
Sodium, dissolved	M200.7 ICP		U		mg/L	0.3	2	07/31/07 2:49	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Total Alkalinity			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		n/a			%			08/01/07 0:00	calc
Sum of Anions		N/A			meq/L	0.1	0.5	08/01/07 0:00	calc
Sum of Cations			U		meq/L	0.1	0.5	08/01/07 0:00	calc
Chloride	M300.0 - Ion Chromatography		U		mg/L	0.5	3	07/25/07 1:26	jag
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	0.1	0.5	07/25/07 1:26	jag
Hardness as CaCO3	SM2340B - Calculation	n/a			mg/L	1	7	08/01/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.02	0.1	07/26/07 20:23	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		6.0	H		units	0.1	0.1	07/19/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	07/19/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C		U		mg/L	10	20	07/19/07 16:17	lcp
Sulfate	300.0 - Ion Chromatography		U	*	mg/L	0.5	3	07/25/07 1:26	jag
TDS (calculated)	Calculation		U		mg/L	10	50	08/01/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	n/a						08/01/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: CACY-B

ACZ Sample ID: ***L63876-09***
Date Sampled: *07/14/07 10:00*
Date Received: *07/17/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP		U		mg/L	0.2	1	07/31/07 2:49	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/31/07 2:49	msh
Magnesium, dissolved	M200.7 ICP		U		mg/L	0.2	1	07/31/07 2:49	msh
Potassium, dissolved	M200.7 ICP		U		mg/L	0.3	2	07/31/07 2:49	msh
Selenium, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	07/18/07 19:26	jjr
Sodium, dissolved	M200.7 ICP		U		mg/L	0.3	2	07/31/07 2:49	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Total Alkalinity			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		n/a			%			08/01/07 0:00	calc
Sum of Anions		N/A			meq/L	0.1	0.5	08/01/07 0:00	calc
Sum of Cations			U		meq/L	0.1	0.5	08/01/07 0:00	calc
Chloride	M300.0 - Ion Chromatography		U		mg/L	0.5	3	07/25/07 1:26	jag
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	0.1	0.5	07/25/07 1:26	jag
Hardness as CaCO3	SM2340B - Calculation	n/a			mg/L	1	7	08/01/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.02	0.1	07/26/07 20:23	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		6.0	H		units	0.1	0.1	07/19/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	07/19/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C		U		mg/L	10	20	07/19/07 16:17	lcp
Sulfate	300.0 - Ion Chromatography		U	*	mg/L	0.5	3	07/25/07 1:26	jag
TDS (calculated)	Calculation		U		mg/L	10	50	08/01/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	n/a						08/01/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: KUHN-B

ACZ Sample ID: ***L63876-07***
Date Sampled: *07/13/07 15:50*
Date Received: *07/17/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP		U		mg/L	0.2	1	07/31/07 2:41	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/31/07 2:41	msh
Magnesium, dissolved	M200.7 ICP		U		mg/L	0.2	1	07/31/07 2:41	msh
Potassium, dissolved	M200.7 ICP		U		mg/L	0.3	2	07/31/07 2:41	msh
Selenium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	07/18/07 19:14	jjr
Sodium, dissolved	M200.7 ICP		U		mg/L	0.3	2	07/31/07 2:41	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Total Alkalinity			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		n/a			%			08/01/07 0:00	calc
Sum of Anions		N/A			meq/L	0.1	0.5	08/01/07 0:00	calc
Sum of Cations			U		meq/L	0.1	0.5	08/01/07 0:00	calc
Chloride	M300.0 - Ion Chromatography		U		mg/L	0.5	3	07/25/07 0:50	jag
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	0.1	0.5	07/25/07 0:50	jag
Hardness as CaCO3	SM2340B - Calculation	n/a			mg/L	1	7	08/01/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.02	0.1	07/26/07 20:17	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		6.1	H		units	0.1	0.1	07/19/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	07/19/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C		U		mg/L	10	20	07/19/07 16:14	lcp
Sulfate	300.0 - Ion Chromatography		U	*	mg/L	0.5	3	07/25/07 0:50	jag
TDS (calculated)	Calculation		U		mg/L	10	50	08/01/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	n/a						08/01/07 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: KUHN-B

ACZ Sample ID: ***L63876-07***
Date Sampled: *07/13/07 15:50*
Date Received: *07/17/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP		U		mg/L	0.2	1	07/31/07 2:41	msh
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/31/07 2:41	msh
Magnesium, dissolved	M200.7 ICP		U		mg/L	0.2	1	07/31/07 2:41	msh
Potassium, dissolved	M200.7 ICP		U		mg/L	0.3	2	07/31/07 2:41	msh
Selenium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	07/18/07 19:14	jjr
Sodium, dissolved	M200.7 ICP		U		mg/L	0.3	2	07/31/07 2:41	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Carbonate as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Hydroxide as CaCO3			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Total Alkalinity			U		mg/L	2	20	07/19/07 0:00	lcp/jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		n/a			%			08/01/07 0:00	calc
Sum of Anions		N/A			meq/L	0.1	0.5	08/01/07 0:00	calc
Sum of Cations			U		meq/L	0.1	0.5	08/01/07 0:00	calc
Chloride	M300.0 - Ion Chromatography		U		mg/L	0.5	3	07/25/07 0:50	jag
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	0.1	0.5	07/25/07 0:50	jag
Hardness as CaCO3	SM2340B - Calculation	n/a			mg/L	1	7	08/01/07 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.02	0.1	07/26/07 20:17	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		6.1	H		units	0.1	0.1	07/19/07 0:00	lcp/jlf
pH measured at		22.0			C	0.1	0.1	07/19/07 0:00	lcp/jlf
Residue, Filterable (TDS) @180C	160.1 / SM2540C		U		mg/L	10	20	07/19/07 16:14	lcp
Sulfate	300.0 - Ion Chromatography		U	*	mg/L	0.5	3	07/25/07 0:50	jag
TDS (calculated)	Calculation		U		mg/L	10	50	08/01/07 0:00	calc
TDS (ratio - measured/calculated)	Calculation	n/a						08/01/07 0:00	calc

** Please refer to Qualifier Reports for detail*

Task 2 Laboratory Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 05-045-06934

ACZ Sample ID: ***L66704-03***
Date Sampled: *12/06/07 15:15*
Date Received: *12/10/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	2.8		*	mg/L	0.1	0.2	12/19/07 18:47	gme/scp
Calcium, dissolved	M200.7 ICP	174			mg/L	2	10	12/20/07 10:35	djt
Iron, dissolved	M200.7 ICP	207			mg/L	0.2	0.5	12/20/07 10:35	djt
Magnesium, dissolved	M200.7 ICP	18			mg/L	2	10	12/20/07 10:35	djt
Potassium, dissolved	M200.7 ICP	73			mg/L	3	20	12/20/07 10:35	djt
Sodium, dissolved	M200.7 ICP	4490			mg/L	3	20	12/20/07 10:35	djt
Strontium, dissolved	M200.7 ICP	47.6			mg/L	0.1	0.5	12/22/07 14:59	erf

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		813			mg/L	2	20	12/13/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	12/13/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	12/13/07 0:00	lcp
Total Alkalinity		813			mg/L	2	20	12/13/07 0:00	lcp
Bromide	M300.0 - Ion Chromatography	52			mg/L	2	10	12/18/07 16:33	ccp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		1.4			%			01/23/08 0:00	calc
Sum of Anions		216			meq/L	0.1	0.5	01/23/08 0:00	calc
Sum of Cations		222			meq/L	0.1	0.5	01/23/08 0:00	calc
Chloride	M300.0 - Ion Chromatography	7100			mg/L	50	300	12/19/07 20:20	ccp
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	2	10	12/18/07 16:33	ccp
Hardness as CaCO3	SM2340B - Calculation	509			mg/L	1	7	01/23/08 0:00	calc
Lab Filtration	SM 3030 B			*				12/11/07 10:13	ear
Lab Filtration & Acidification	SM 3030 B			*				12/12/07 10:09	wpl
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.2	1	12/19/07 21:27	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		6.0	H		units	0.1	0.1	12/13/07 0:00	lcp
pH measured at		24.0			C	0.1	0.1	12/13/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	14700		*	mg/L	10	20	12/11/07 10:16	ear
Sulfate	300.0 - Ion Chromatography		U	*	mg/L	10	50	12/18/07 16:33	ccp
TDS (calculated)	Calculation	12600			mg/L	10	50	01/23/08 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.17						01/23/08 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 05-045-07155

ACZ Sample ID: ***L66705-04***
Date Sampled: *12/06/07 09:00*
Date Received: *12/10/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.57		*	mg/L	0.03	0.05	12/17/07 14:44	gme/scp
Calcium, dissolved	M200.7 ICP	19.3			mg/L	0.2	1	12/20/07 11:02	djt
Iron, dissolved	M200.7 ICP	0.06			mg/L	0.02	0.05	12/20/07 11:02	djt
Magnesium, dissolved	M200.7 ICP	1.4			mg/L	0.2	1	12/20/07 11:02	djt
Potassium, dissolved	M200.7 ICP	2.2			mg/L	0.3	2	12/20/07 11:02	djt
Sodium, dissolved	M200.7 ICP	220			mg/L	0.3	2	12/20/07 11:02	djt
Strontium, dissolved	M200.7 ICP	4.42			mg/L	0.01	0.05	12/22/07 15:19	erf

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		142			mg/L	2	20	12/13/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	12/13/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	12/13/07 0:00	lcp
Total Alkalinity		142			mg/L	2	20	12/13/07 0:00	lcp
Bromide	M300.0 - Ion Chromatography	2.1			mg/L	0.1	0.5	12/18/07 18:58	ccp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-3.1			%			01/10/08 15:14	calc
Sum of Anions		11.6			meq/L	0.1	0.5	01/10/08 15:14	calc
Sum of Cations		10.9			meq/L	0.1	0.5	01/10/08 15:14	calc
Chloride	M300.0 - Ion Chromatography	311			mg/L	3	10	12/19/07 23:21	ccp
Fluoride	M300.0 - Ion Chromatography	0.2	B	*	mg/L	0.1	0.5	12/18/07 18:58	ccp
Hardness as CaCO3	SM2340B - Calculation	54			mg/L	1	7	01/10/08 15:14	calc
Lab Filtration	SM 3030 B			*				12/11/07 10:44	ear
Lab Filtration & Acidification	SM 3030 B			*				12/12/07 10:56	wpl
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.02	0.1	12/19/07 21:17	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		7.6	H		units	0.1	0.1	12/13/07 0:00	lcp
pH measured at		24.0			C	0.1	0.1	12/13/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	690			mg/L	10	20	12/11/07 10:26	ear
Sulfate	300.0 - Ion Chromatography		U	*	mg/L	0.5	3	12/18/07 18:58	ccp
TDS (calculated)	Calculation	646			mg/L	10	50	01/10/08 15:14	calc
TDS (ratio - measured/calculated)	Calculation	1.07						01/10/08 15:14	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 05-045-07366

ACZ Sample ID: ***L66703-01***
Date Sampled: *12/06/07 17:00*
Date Received: *12/10/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	1.13		*	mg/L	0.05	0.1	12/14/07 18:20	gme/scp
Calcium, dissolved	M200.7 ICP	818			mg/L	2	10	12/19/07 14:05	erf
Iron, dissolved	M200.7 ICP	197			mg/L	0.2	0.5	12/19/07 14:05	erf
Magnesium, dissolved	M200.7 ICP	44			mg/L	2	10	12/19/07 14:05	erf
Potassium, dissolved	M200.7 ICP	173		*	mg/L	3	20	12/19/07 14:05	erf
Sodium, dissolved	M200.7 ICP	5090			mg/L	6	30	12/19/07 20:16	djt
Strontium, dissolved	M200.7 ICP	121			mg/L	0.2	1	12/19/07 20:16	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		415			mg/L	2	20	12/12/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	12/12/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	12/12/07 0:00	lcp
Total Alkalinity		415			mg/L	2	20	12/12/07 0:00	lcp
Bromide	M300.0 - Ion Chromatography	63		*	mg/L	2	10	12/18/07 12:36	ccp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-0.5			%			01/23/08 0:00	calc
Sum of Anions		289			meq/L	0.1	0.5	01/23/08 0:00	calc
Sum of Cations		286			meq/L	0.1	0.5	01/23/08 0:00	calc
Chloride	M300.0 - Ion Chromatography	10000			mg/L	100	500	12/19/07 17:01	ccp
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	2	10	12/18/07 12:36	ccp
Hardness as CaCO3	SM2340B - Calculation	2230			mg/L	1	7	01/23/08 0:00	calc
Lab Filtration	SM 3030 B			*				12/10/07 15:49	ear
Lab Filtration & Acidification	SM 3030 B			*				12/12/07 9:00	wpl
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.2	1	12/19/07 21:21	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		5.9	H		units	0.1	0.1	12/12/07 0:00	lcp
pH measured at		23.0			C	0.1	0.1	12/12/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	17600		*	mg/L	10	20	12/10/07 15:58	ear
Sulfate	300.0 - Ion Chromatography		U	*	mg/L	10	50	12/18/07 12:36	ccp
TDS (calculated)	Calculation	16800			mg/L	10	50	01/23/08 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.05						01/23/08 0:00	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 05-045-07585

ACZ Sample ID: ***L66704-05***
Date Sampled: *12/06/07 15:40*
Date Received: *12/10/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	4.0		*	mg/L	0.2	0.4	12/19/07 18:57	gme/scp
Calcium, dissolved	M200.7 ICP	414			mg/L	4	20	12/20/07 10:42	djt
Iron, dissolved	M200.7 ICP	897			mg/L	0.4	1	12/20/07 10:42	djt
Magnesium, dissolved	M200.7 ICP	28			mg/L	4	20	12/20/07 10:42	djt
Potassium, dissolved	M200.7 ICP	80			mg/L	6	30	12/20/07 10:42	djt
Sodium, dissolved	M200.7 ICP	6390			mg/L	6	30	12/20/07 10:42	djt
Strontium, dissolved	M200.7 ICP	64.2			mg/L	0.2	1	12/22/07 15:06	erf

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		1630			mg/L	2	20	12/13/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	12/13/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	12/13/07 0:00	lcp
Total Alkalinity		1630			mg/L	2	20	12/13/07 0:00	lcp
Bromide	M300.0 - Ion Chromatography	54			mg/L	2	10	12/18/07 17:09	ccp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		0.0			%			01/23/08 0:00	calc
Sum of Anions		355			meq/L	0.1	0.5	01/23/08 0:00	calc
Sum of Cations		355			meq/L	0.1	0.5	01/23/08 0:00	calc
Chloride	M300.0 - Ion Chromatography	11500	H	*	mg/L	100	500	01/18/08 13:14	ccp
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	2	10	12/18/07 17:09	ccp
Hardness as CaCO3	SM2340B - Calculation	1150			mg/L	1	7	01/23/08 0:00	calc
Lab Filtration	SM 3030 B			*				12/11/07 10:23	ear
Lab Filtration & Acidification	SM 3030 B			*				12/12/07 10:25	wpl
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.44		*	mg/L	0.02	0.1	12/15/07 15:54	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		6.4	H		units	0.1	0.1	12/13/07 0:00	lcp
pH measured at		24.0			C	0.1	0.1	12/13/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	21000	H	*	mg/L	100	200	12/17/07 8:39	ear
Sulfate	300.0 - Ion Chromatography		U	*	mg/L	10	50	12/18/07 17:09	ccp
TDS (calculated)	Calculation	20400			mg/L	10	50	01/23/08 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.03						01/23/08 0:00	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 05-045-07627

ACZ Sample ID: ***L66704-02***
Date Sampled: *12/06/07 12:45*
Date Received: *12/10/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	3.7		*	mg/L	0.1	0.2	12/17/07 13:40	gme/scp
Calcium, dissolved	M200.7 ICP	85			mg/L	1	5	12/20/07 10:32	djt
Iron, dissolved	M200.7 ICP	16.5			mg/L	0.1	0.3	12/20/07 10:32	djt
Magnesium, dissolved	M200.7 ICP	9			mg/L	1	5	12/20/07 10:32	djt
Potassium, dissolved	M200.7 ICP	55			mg/L	2	8	12/20/07 10:32	djt
Sodium, dissolved	M200.7 ICP	2590			mg/L	10	300	12/20/07 10:32	djt
Strontium, dissolved	M200.7 ICP	19.60			mg/L	0.05	0.3	12/22/07 14:49	erf

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		1480			mg/L	2	20	12/13/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	12/13/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	12/13/07 0:00	lcp
Total Alkalinity		1480			mg/L	2	20	12/13/07 0:00	lcp
Bromide	M300.0 - Ion Chromatography	15			mg/L	1	5	12/18/07 15:38	ccp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		0.8			%			01/23/08 0:00	calc
Sum of Anions		120			meq/L	0.1	0.5	01/23/08 0:00	calc
Sum of Cations		122			meq/L	0.1	0.5	01/23/08 0:00	calc
Chloride	M300.0 - Ion Chromatography	3210			mg/L	50	300	12/19/07 18:49	ccp
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	1	5	12/18/07 15:38	ccp
Hardness as CaCO3	SM2340B - Calculation	249			mg/L	1	7	01/23/08 0:00	calc
Lab Filtration	SM 3030 B			*				12/11/07 10:08	ear
Lab Filtration & Acidification	SM 3030 B			*				12/12/07 10:02	wpl
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.02	0.1	12/19/07 21:09	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		7.9	H		units	0.1	0.1	12/13/07 0:00	lcp
pH measured at		24.0			C	0.1	0.1	12/13/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	7390		*	mg/L	10	20	12/11/07 10:14	ear
Sulfate	300.0 - Ion Chromatography		U	*	mg/L	5	30	12/18/07 15:38	ccp
TDS (calculated)	Calculation	6890			mg/L	10	50	01/23/08 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.07						01/23/08 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 05-045-09123

ACZ Sample ID: ***L66705-01***
Date Sampled: *12/06/07 10:45*
Date Received: *12/10/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.44		*	mg/L	0.03	0.05	12/17/07 14:04	gme/scp
Calcium, dissolved	M200.7 ICP	260			mg/L	1	5	12/20/07 10:52	djt
Iron, dissolved	M200.7 ICP	3.7			mg/L	0.1	0.3	12/20/07 10:52	djt
Magnesium, dissolved	M200.7 ICP	15			mg/L	1	5	12/20/07 10:52	djt
Potassium, dissolved	M200.7 ICP	40			mg/L	2	8	12/20/07 10:52	djt
Sodium, dissolved	M200.7 ICP	2680			mg/L	10	300	12/20/07 10:52	djt
Strontium, dissolved	M200.7 ICP	39.10			mg/L	0.05	0.3	12/22/07 15:09	erf

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		452			mg/L	2	20	12/13/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	12/13/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	12/13/07 0:00	lcp
Total Alkalinity		452			mg/L	2	20	12/13/07 0:00	lcp
Bromide	M300.0 - Ion Chromatography	30			mg/L	1	5	12/19/07 21:14	ccp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-1.8			%			01/10/08 15:14	calc
Sum of Anions		139			meq/L	0.1	0.5	01/10/08 15:14	calc
Sum of Cations		134			meq/L	0.1	0.5	01/10/08 15:14	calc
Chloride	M300.0 - Ion Chromatography	4620			mg/L	50	300	12/19/07 21:32	ccp
Fluoride	M300.0 - Ion Chromatography	1.4	B	*	mg/L	0.5	3	12/18/07 17:27	ccp
Hardness as CaCO3	SM2340B - Calculation	712			mg/L	1	7	01/10/08 15:14	calc
Lab Filtration	SM 3030 B			*				12/11/07 10:29	ear
Lab Filtration & Acidification	SM 3030 B			*				12/12/07 10:33	wpl
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.02	0.1	12/19/07 21:13	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		7.4	H		units	0.1	0.1	12/13/07 0:00	lcp
pH measured at		24.0			C	0.1	0.1	12/13/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	8430		*	mg/L	10	20	12/11/07 10:21	ear
Sulfate	300.0 - Ion Chromatography		U	*	mg/L	3	10	12/18/07 17:27	ccp
TDS (calculated)	Calculation	7960			mg/L	10	50	01/10/08 15:14	calc
TDS (ratio - measured/calculated)	Calculation	1.06						01/10/08 15:14	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 05-045-09156

ACZ Sample ID: ***L66705-05***
Date Sampled: *12/06/07 07:45*
Date Received: *12/10/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	3.5		*	mg/L	0.1	0.2	12/17/07 14:50	gme/scp
Calcium, dissolved	M200.7 ICP	140			mg/L	1	5	12/20/07 11:12	djt
Iron, dissolved	M200.7 ICP	13.3			mg/L	0.1	0.3	12/20/07 11:12	djt
Magnesium, dissolved	M200.7 ICP	7			mg/L	1	5	12/20/07 11:12	djt
Potassium, dissolved	M200.7 ICP	50			mg/L	2	8	12/20/07 11:12	djt
Sodium, dissolved	M200.7 ICP	3160			mg/L	10	300	12/20/07 11:12	djt
Strontium, dissolved	M200.7 ICP	14.90			mg/L	0.05	0.3	12/22/07 15:22	erf

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		3730			mg/L	2	20	12/17/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	12/17/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	12/17/07 0:00	lcp
Total Alkalinity		3730			mg/L	2	20	12/17/07 0:00	lcp
Bromide	M300.0 - Ion Chromatography	13			mg/L	1	5	12/18/07 19:16	ccp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-0.7			%			01/10/08 15:15	calc
Sum of Anions		151			meq/L	0.1	0.5	01/10/08 15:15	calc
Sum of Cations		149			meq/L	0.1	0.5	01/10/08 15:15	calc
Chloride	M300.0 - Ion Chromatography	2740			mg/L	30	100	12/19/07 23:40	ccp
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	1	5	12/18/07 19:16	ccp
Hardness as CaCO3	SM2340B - Calculation	379			mg/L	1	7	01/10/08 15:15	calc
Lab Filtration	SM 3030 B			*				12/11/07 10:49	ear
Lab Filtration & Acidification	SM 3030 B			*				12/12/07 11:04	wpl
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.02	0.1	12/19/07 21:18	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		7.5	H		units	0.1	0.1	12/13/07 0:00	lcp
pH measured at		24.0			C	0.1	0.1	12/13/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	8850		*	mg/L	10	20	12/11/07 10:28	ear
Sulfate	300.0 - Ion Chromatography		U	*	mg/L	5	30	12/18/07 19:16	ccp
TDS (calculated)	Calculation	8380			mg/L	10	50	01/10/08 15:15	calc
TDS (ratio - measured/calculated)	Calculation	1.06						01/10/08 15:15	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 05-045-09158

ACZ Sample ID: ***L66705-06***
Date Sampled: *12/06/07 14:45*
Date Received: *12/10/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	2.2		*	mg/L	0.1	0.2	12/19/07 19:11	gme/scp
Calcium, dissolved	M200.7 ICP	282			mg/L	2	10	12/20/07 11:15	djt
Iron, dissolved	M200.7 ICP	44.0			mg/L	0.2	0.5	12/20/07 11:15	djt
Magnesium, dissolved	M200.7 ICP	21			mg/L	2	10	12/20/07 11:15	djt
Potassium, dissolved	M200.7 ICP	81			mg/L	3	20	12/20/07 11:15	djt
Sodium, dissolved	M200.7 ICP	4350			mg/L	3	20	12/20/07 11:15	djt
Strontium, dissolved	M200.7 ICP	55.7			mg/L	0.1	0.5	12/22/07 15:26	erf

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		725			mg/L	2	20	12/13/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	12/13/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	12/13/07 0:00	lcp
Total Alkalinity		725			mg/L	2	20	12/13/07 0:00	lcp
Bromide	M300.0 - Ion Chromatography	35			mg/L	2	10	12/18/07 19:34	ccp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-3.4			%			01/10/08 15:15	calc
Sum of Anions		228			meq/L	0.1	0.5	01/10/08 15:15	calc
Sum of Cations		213			meq/L	0.1	0.5	01/10/08 15:15	calc
Chloride	M300.0 - Ion Chromatography	7610			mg/L	50	300	12/19/07 23:58	ccp
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	2	10	12/18/07 19:34	ccp
Hardness as CaCO3	SM2340B - Calculation	791			mg/L	1	7	01/10/08 15:15	calc
Lab Filtration	SM 3030 B			*				12/11/07 10:55	ear
Lab Filtration & Acidification	SM 3030 B			*				12/12/07 11:11	wpl
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.16		*	mg/L	0.02	0.1	12/15/07 15:55	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		6.8	H		units	0.1	0.1	12/13/07 0:00	lcp
pH measured at		24.0			C	0.1	0.1	12/13/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	14200		*	mg/L	10	20	12/12/07 8:52	ear
Sulfate	300.0 - Ion Chromatography		U	*	mg/L	10	50	12/18/07 19:34	ccp
TDS (calculated)	Calculation	12900			mg/L	10	50	01/10/08 15:15	calc
TDS (ratio - measured/calculated)	Calculation	1.10						01/10/08 15:15	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 05-045-09162

ACZ Sample ID: ***L66704-04***
Date Sampled: *12/06/07 13:15*
Date Received: *12/10/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	1.9		*	mg/L	0.1	0.2	12/21/07 21:28	scp
Calcium, dissolved	M200.7 ICP	183			mg/L	2	10	12/20/07 10:39	djt
Iron, dissolved	M200.7 ICP	14.2			mg/L	0.2	0.5	12/20/07 10:39	djt
Magnesium, dissolved	M200.7 ICP	18			mg/L	2	10	12/20/07 10:39	djt
Potassium, dissolved	M200.7 ICP	44			mg/L	3	20	12/20/07 10:39	djt
Sodium, dissolved	M200.7 ICP	4680			mg/L	3	20	12/20/07 10:39	djt
Strontium, dissolved	M200.7 ICP	35.4			mg/L	0.1	0.5	12/22/07 15:03	erf

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		1780			mg/L	2	20	12/13/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	12/13/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	12/13/07 0:00	lcp
Total Alkalinity		1780			mg/L	2	20	12/13/07 0:00	lcp
Bromide	M300.0 - Ion Chromatography	32			mg/L	2	10	12/18/07 16:51	ccp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		0.5			%			11/20/08 0:00	calc
Sum of Anions		217			meq/L	0.1	0.5	11/20/08 0:00	calc
Sum of Cations		219			meq/L	0.1	0.5	11/20/08 0:00	calc
Chloride	M300.0 - Ion Chromatography	6450			mg/L	50	300	12/19/07 20:38	ccp
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	2	10	12/18/07 16:51	ccp
Hardness as CaCO3	SM2340B - Calculation	531			mg/L	1	7	11/20/08 0:00	calc
Lab Filtration	SM 3030 B			*				12/11/07 10:18	ear
Lab Filtration & Acidification	SM 3030 B			*				12/12/07 10:17	wpl
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.02	0.1	12/19/07 21:11	pjb
pH (lab)	SM4500H+ B								
pH		8.1	H		units	0.1	0.1	12/13/07 0:00	lcp
pH measured at		23.0			C	0.1	0.1	12/13/07 0:00	lcp
Residue, Filterable (TDS) @180C	SM2540C	13900		*	mg/L	10	20	12/11/07 10:17	ear
Sulfate	300.0 - Ion Chromatography		U	*	mg/L	10	50	12/18/07 16:51	ccp
TDS (calculated)	Calculation	12500			mg/L	10	50	11/20/08 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.11						11/20/08 0:00	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 05-045-09275

ACZ Sample ID: ***L66703-02***
Date Sampled: *12/06/07 12:00*
Date Received: *12/10/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	0.38		*	mg/L	0.03	0.05	12/14/07 18:25	gme/scp
Calcium, dissolved	M200.7 ICP	672			mg/L	2	10	12/19/07 14:08	erf
Iron, dissolved	M200.7 ICP	155			mg/L	0.2	0.5	12/19/07 14:08	erf
Magnesium, dissolved	M200.7 ICP	60			mg/L	2	10	12/19/07 14:08	erf
Potassium, dissolved	M200.7 ICP	139		*	mg/L	3	20	12/19/07 14:08	erf
Sodium, dissolved	M200.7 ICP	4120			mg/L	3	20	12/19/07 14:08	erf
Strontium, dissolved	M200.7 ICP	94.0			mg/L	0.2	1	12/19/07 20:20	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		667			mg/L	2	20	12/12/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	12/12/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	12/12/07 0:00	lcp
Total Alkalinity		667			mg/L	2	20	12/12/07 0:00	lcp
Bromide	M300.0 - Ion Chromatography	36		*	mg/L	2	10	12/18/07 12:54	ccp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		4.2			%			11/20/08 0:00	calc
Sum of Anions		215			meq/L	0.1	0.5	11/20/08 0:00	calc
Sum of Cations		234			meq/L	0.1	0.5	11/20/08 0:00	calc
Chloride	M300.0 - Ion Chromatography	7200			mg/L	100	500	12/19/07 17:19	ccp
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	2	10	12/18/07 12:54	ccp
Hardness as CaCO3	SM2340B - Calculation	1930			mg/L	1	7	11/20/08 0:00	calc
Lab Filtration	SM 3030 B			*				12/10/07 15:52	ear
Lab Filtration & Acidification	SM 3030 B			*				12/12/07 9:07	wpl
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.2	1	12/19/07 21:26	pjb
pH (lab)	SM4500H+ B								
pH		7.0	H		units	0.1	0.1	12/12/07 0:00	lcp
pH measured at		23.0			C	0.1	0.1	12/12/07 0:00	lcp
Residue, Filterable (TDS) @180C	SM2540C	13400		*	mg/L	10	20	12/10/07 15:59	ear
Sulfate	300.0 - Ion Chromatography		U	*	mg/L	10	50	12/18/07 12:54	ccp
TDS (calculated)	Calculation	12900			mg/L	10	50	11/20/08 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.04						11/20/08 0:00	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 05-045-09418

ACZ Sample ID: ***L66703-03***
Date Sampled: *12/05/07 15:20*
Date Received: *12/10/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	1.14		*	mg/L	0.05	0.1	12/14/07 18:30	gme/scp
Calcium, dissolved	M200.7 ICP	730			mg/L	4	20	12/19/07 14:18	erf
Iron, dissolved	M200.7 ICP	1.7			mg/L	0.4	1	12/19/07 14:18	erf
Magnesium, dissolved	M200.7 ICP	67			mg/L	4	20	12/19/07 14:18	erf
Potassium, dissolved	M200.7 ICP	1400		*	mg/L	6	30	12/19/07 14:18	erf
Sodium, dissolved	M200.7 ICP	6640			mg/L	6	30	12/19/07 14:18	erf
Strontium, dissolved	M200.7 ICP	145			mg/L	0.2	1	12/19/07 20:24	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		291			mg/L	2	20	12/12/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	12/12/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	12/12/07 0:00	lcp
Total Alkalinity		291			mg/L	2	20	12/12/07 0:00	lcp
Bromide	M300.0 - Ion Chromatography	38		*	mg/L	2	10	12/18/07 13:13	ccp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		5.2			%			11/20/08 0:00	calc
Sum of Anions		337			meq/L	0.1	0.5	11/20/08 0:00	calc
Sum of Cations		374			meq/L	0.1	0.5	11/20/08 0:00	calc
Chloride	M300.0 - Ion Chromatography	11800			mg/L	100	500	12/19/07 17:37	ccp
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	2	10	12/18/07 13:13	ccp
Hardness as CaCO3	SM2340B - Calculation	2100			mg/L	1	7	11/20/08 0:00	calc
Lab Filtration	SM 3030 B			*				12/10/07 15:55	ear
Lab Filtration & Acidification	SM 3030 B			*				12/12/07 9:15	wpl
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.02	0.1	12/19/07 20:53	pjb
pH (lab)	SM4500H+ B								
pH		7.4	H		units	0.1	0.1	12/12/07 0:00	lcp
pH measured at		23.0			C	0.1	0.1	12/12/07 0:00	lcp
Residue, Filterable (TDS) @180C	SM2540C	21700		*	mg/L	50	100	12/12/07 15:19	ear
Sulfate	300.0 - Ion Chromatography		U	*	mg/L	10	50	12/18/07 13:13	ccp
TDS (calculated)	Calculation	21000			mg/L	10	50	11/20/08 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.03						11/20/08 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 05-045-10106

ACZ Sample ID: ***L66704-01***
Date Sampled: *12/06/07 17:45*
Date Received: *12/10/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	2.6		*	mg/L	0.1	0.2	12/17/07 13:34	gme/scp
Calcium, dissolved	M200.7 ICP	626			mg/L	2	10	12/20/07 10:29	djt
Iron, dissolved	M200.7 ICP		U		mg/L	0.2	0.5	12/20/07 10:29	djt
Magnesium, dissolved	M200.7 ICP	25			mg/L	2	10	12/20/07 10:29	djt
Potassium, dissolved	M200.7 ICP	97			mg/L	3	20	12/20/07 10:29	djt
Sodium, dissolved	M200.7 ICP	4090			mg/L	3	20	12/20/07 10:29	djt
Strontium, dissolved	M200.7 ICP	149			mg/L	0.2	1	12/24/07 13:21	erf

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		1190			mg/L	2	20	12/13/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	12/13/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	12/13/07 0:00	lcp
Total Alkalinity		1190			mg/L	2	20	12/13/07 0:00	lcp
Bromide	M300.0 - Ion Chromatography	31		*	mg/L	1	5	12/18/07 15:19	ccp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-15.6			%			01/23/08 0:00	calc
Sum of Anions		300			meq/L	0.1	0.5	01/23/08 0:00	calc
Sum of Cations		219			meq/L	0.1	0.5	01/23/08 0:00	calc
Chloride	M300.0 - Ion Chromatography	9860			mg/L	50	300	12/19/07 18:31	ccp
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	1	5	12/18/07 15:19	ccp
Hardness as CaCO3	SM2340B - Calculation	1670			mg/L	1	7	01/23/08 0:00	calc
Lab Filtration	SM 3030 B			*				12/11/07 10:03	ear
Lab Filtration & Acidification	SM 3030 B			*				12/12/07 9:54	wpl
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.05	B	*	mg/L	0.02	0.1	12/19/07 21:02	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		7.1	H		units	0.1	0.1	12/13/07 0:00	lcp
pH measured at		24.0			C	0.1	0.1	12/13/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	16300		*	mg/L	10	20	12/11/07 10:12	ear
Sulfate	300.0 - Ion Chromatography	9	B	*	mg/L	5	30	12/18/07 15:19	ccp
TDS (calculated)	Calculation	15600			mg/L	10	50	01/23/08 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.04						01/23/08 0:00	calc

Note: Suspected analytes were retested to verify the Cation-Anion Balance.

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 05-045-10260

ACZ Sample ID: ***L66705-03***
Date Sampled: *12/06/07 16:15*
Date Received: *12/10/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	1.36		*	mg/L	0.05	0.1	12/19/07 19:06	gme/scp
Calcium, dissolved	M200.7 ICP	528			mg/L	2	10	12/20/07 10:58	djt
Iron, dissolved	M200.7 ICP	4.4			mg/L	0.2	0.5	12/20/07 10:58	djt
Magnesium, dissolved	M200.7 ICP	32			mg/L	2	10	12/20/07 10:58	djt
Potassium, dissolved	M200.7 ICP	68			mg/L	3	20	12/20/07 10:58	djt
Sodium, dissolved	M200.7 ICP	5410			mg/L	20	500	12/20/07 10:58	djt
Strontium, dissolved	M200.7 ICP	130			mg/L	0.2	1	12/22/07 15:16	erf

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		640			mg/L	2	20	12/13/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	12/13/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	12/13/07 0:00	lcp
Total Alkalinity		640			mg/L	2	20	12/13/07 0:00	lcp
Bromide	M300.0 - Ion Chromatography	53			mg/L	2	10	12/19/07 22:09	ccp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-1.1			%			01/10/08 15:14	calc
Sum of Anions		278			meq/L	0.1	0.5	01/10/08 15:14	calc
Sum of Cations		272			meq/L	0.1	0.5	01/10/08 15:14	calc
Chloride	M300.0 - Ion Chromatography	9450			mg/L	50	300	12/19/07 22:27	ccp
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	1	5	12/18/07 18:40	ccp
Hardness as CaCO3	SM2340B - Calculation	1450			mg/L	1	7	01/10/08 15:14	calc
Lab Filtration	SM 3030 B			*				12/11/07 10:39	ear
Lab Filtration & Acidification	SM 3030 B			*				12/12/07 10:48	wpl
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.04	B	*	mg/L	0.02	0.1	12/19/07 21:15	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		6.9	H		units	0.1	0.1	12/13/07 0:00	lcp
pH measured at		24.0			C	0.1	0.1	12/13/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	17200		*	mg/L	10	20	12/11/07 10:24	ear
Sulfate	300.0 - Ion Chromatography		U	*	mg/L	5	30	12/18/07 18:40	ccp
TDS (calculated)	Calculation	16100			mg/L	10	50	01/10/08 15:14	calc
TDS (ratio - measured/calculated)	Calculation	1.07						01/10/08 15:14	calc

** Please refer to Qualifier Reports for details.*

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 05-045-10760

ACZ Sample ID: ***L66703-06***
Date Sampled: *12/05/07 13:45*
Date Received: *12/10/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	4.7		*	mg/L	0.3	0.5	12/17/07 13:23	gme/scp
Calcium, dissolved	M200.7 ICP	21			mg/L	2	10	12/19/07 14:28	erf
Iron, dissolved	M200.7 ICP	1.4			mg/L	0.2	0.5	12/19/07 14:28	erf
Magnesium, dissolved	M200.7 ICP	3	B		mg/L	2	10	12/19/07 14:28	erf
Potassium, dissolved	M200.7 ICP	44		*	mg/L	3	20	12/19/07 14:28	erf
Sodium, dissolved	M200.7 ICP	4010			mg/L	3	20	12/19/07 14:28	erf
Strontium, dissolved	M200.7 ICP	5.4			mg/L	0.1	0.5	12/19/07 20:36	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		6010			mg/L	2	20	12/17/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	12/17/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	12/17/07 0:00	lcp
Total Alkalinity		6010			mg/L	2	20	12/17/07 0:00	lcp
Bromide	M300.0 - Ion Chromatography	6		*	mg/L	1	5	12/18/07 14:43	ccp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		4.1			%			01/23/08 0:00	calc
Sum of Anions		165			meq/L	0.1	0.5	01/23/08 0:00	calc
Sum of Cations		179			meq/L	0.1	0.5	01/23/08 0:00	calc
Chloride	M300.0 - Ion Chromatography	1600			mg/L	300	1000	12/19/07 18:13	ccp
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	1	5	12/18/07 14:43	ccp
Hardness as CaCO3	SM2340B - Calculation	65			mg/L	1	7	01/23/08 0:00	calc
Lab Filtration	SM 3030 B			*				12/10/07 16:04	ear
Lab Filtration & Acidification	SM 3030 B			*				12/12/07 9:38	wpl
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.02	0.1	12/19/07 20:57	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		7.9	H	*	units	0.1	0.1	12/13/07 0:00	lcp
pH measured at		24.0		*	C	0.1	0.1	12/13/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	10100		*	mg/L	10	20	12/10/07 16:04	ear
Sulfate	300.0 - Ion Chromatography		U	*	mg/L	5	30	12/18/07 14:43	ccp
TDS (calculated)	Calculation	9300			mg/L	10	50	01/23/08 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.09						01/23/08 0:00	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 05-045-10817

ACZ Sample ID: ***L66703-04***
Date Sampled: *12/05/07 14:15*
Date Received: *12/10/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	3.8		*	mg/L	0.3	0.5	12/14/07 18:35	gme/scp
Calcium, dissolved	M200.7 ICP	25			mg/L	1	5	12/19/07 14:21	erf
Iron, dissolved	M200.7 ICP	0.3			mg/L	0.1	0.3	12/19/07 14:21	erf
Magnesium, dissolved	M200.7 ICP	3	B		mg/L	1	5	12/19/07 14:21	erf
Potassium, dissolved	M200.7 ICP	37		*	mg/L	2	8	12/19/07 14:21	erf
Sodium, dissolved	M200.7 ICP	2940			mg/L	3	20	12/19/07 20:28	djt
Strontium, dissolved	M200.7 ICP	4.5			mg/L	0.1	0.5	12/19/07 20:28	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		5570			mg/L	2	20	12/17/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	12/17/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	12/17/07 0:00	lcp
Total Alkalinity		5570			mg/L	2	20	12/17/07 0:00	lcp
Bromide	M300.0 - Ion Chromatography	4.0		*	mg/L	0.5	3	12/18/07 13:31	ccp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-3.6			%			01/23/08 0:00	calc
Sum of Anions		142			meq/L	0.1	0.5	01/23/08 0:00	calc
Sum of Cations		132			meq/L	0.1	0.5	01/23/08 0:00	calc
Chloride	M300.0 - Ion Chromatography	1070			mg/L	10	60	12/19/07 17:55	ccp
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	0.5	3	12/18/07 13:31	ccp
Hardness as CaCO3	SM2340B - Calculation	75			mg/L	1	7	01/23/08 0:00	calc
Lab Filtration	SM 3030 B			*				12/10/07 15:58	ear
Lab Filtration & Acidification	SM 3030 B			*				12/12/07 9:23	wpl
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.02	0.1	12/19/07 20:54	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		7.6	H		units	0.1	0.1	12/12/07 0:00	lcp
pH measured at		23.0			C	0.1	0.1	12/12/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	8630		*	mg/L	10	20	12/10/07 16:02	ear
Sulfate	300.0 - Ion Chromatography	6	B	*	mg/L	3	10	12/18/07 13:31	ccp
TDS (calculated)	Calculation	7430			mg/L	10	50	01/23/08 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.16						01/23/08 0:00	calc

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Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 05-045-11402

ACZ Sample ID: ***L66703-07***
Date Sampled: *12/05/07 15:00*
Date Received: *12/10/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	2.1		*	mg/L	0.1	0.2	12/17/07 13:29	gme/scp
Calcium, dissolved	M200.7 ICP	23			mg/L	1	5	12/19/07 14:31	erf
Iron, dissolved	M200.7 ICP	1.8			mg/L	0.1	0.3	12/19/07 14:31	erf
Magnesium, dissolved	M200.7 ICP	3	B		mg/L	1	5	12/19/07 14:31	erf
Potassium, dissolved	M200.7 ICP	24		*	mg/L	2	8	12/19/07 14:31	erf
Sodium, dissolved	M200.7 ICP	2370			mg/L	2	8	12/19/07 14:31	erf
Strontium, dissolved	M200.7 ICP	5.37			mg/L	0.05	0.3	12/19/07 20:40	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		6110			mg/L	2	20	12/17/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	12/17/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	12/17/07 0:00	lcp
Total Alkalinity		6110			mg/L	2	20	12/17/07 0:00	lcp
Bromide	M300.0 - Ion Chromatography	4	B	*	mg/L	1	5	12/18/07 15:01	ccp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-16.1			%			01/23/08 0:00	calc
Sum of Anions		148			meq/L	0.1	0.5	01/23/08 0:00	calc
Sum of Cations		107			meq/L	0.1	0.5	01/23/08 0:00	calc
Chloride	M300.0 - Ion Chromatography	918			mg/L	5	30	12/18/07 15:01	ccp
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	1	5	12/18/07 15:01	ccp
Hardness as CaCO3	SM2340B - Calculation	70			mg/L	1	7	01/23/08 0:00	calc
Lab Filtration	SM 3030 B			*				12/10/07 16:07	ear
Lab Filtration & Acidification	SM 3030 B			*				12/12/07 9:46	wpl
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.02	0.1	12/19/07 21:00	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		7.9	H		units	0.1	0.1	12/13/07 0:00	lcp
pH measured at		24.0			C	0.1	0.1	12/13/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	8870		*	mg/L	10	20	12/10/07 16:06	ear
Sulfate	300.0 - Ion Chromatography		U	*	mg/L	5	30	12/18/07 15:01	ccp
TDS (calculated)	Calculation	7020			mg/L	10	50	01/23/08 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.26						01/23/08 0:00	calc

Note: Suspected analytes were retested to verify the Cation-Anion Balance.

Task 2 QA/QC

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 05-045-09158DUP

ACZ Sample ID: ***L66705-02***
Date Sampled: *12/06/07 10:45*
Date Received: *12/10/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	2.7		*	mg/L	0.1	0.2	12/19/07 19:01	gme/scp
Calcium, dissolved	M200.7 ICP	288			mg/L	2	10	12/20/07 10:55	djt
Iron, dissolved	M200.7 ICP	110			mg/L	0.2	0.5	12/20/07 10:55	djt
Magnesium, dissolved	M200.7 ICP	22			mg/L	2	10	12/20/07 10:55	djt
Potassium, dissolved	M200.7 ICP	84			mg/L	3	20	12/20/07 10:55	djt
Sodium, dissolved	M200.7 ICP	4480			mg/L	3	20	12/20/07 10:55	djt
Strontium, dissolved	M200.7 ICP	55.9			mg/L	0.1	0.5	12/22/07 15:12	erf

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		763			mg/L	2	20	12/13/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	12/13/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	12/13/07 0:00	lcp
Total Alkalinity		763			mg/L	2	20	12/13/07 0:00	lcp
Bromide	M300.0 - Ion Chromatography	35			mg/L	2	10	12/18/07 18:22	ccp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		0.0			%			01/10/08 15:14	calc
Sum of Anions		223			meq/L	0.1	0.5	01/10/08 15:14	calc
Sum of Cations		223			meq/L	0.1	0.5	01/10/08 15:14	calc
Chloride	M300.0 - Ion Chromatography	7410			mg/L	50	300	12/19/07 21:51	ccp
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	2	10	12/18/07 18:22	ccp
Hardness as CaCO3	SM2340B - Calculation	810			mg/L	1	7	01/10/08 15:14	calc
Lab Filtration	SM 3030 B			*				12/11/07 10:34	ear
Lab Filtration & Acidification	SM 3030 B			*				12/12/07 10:40	wpl
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.02	0.1	12/19/07 21:14	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		6.8	H		units	0.1	0.1	12/13/07 0:00	lcp
pH measured at		23.0			C	0.1	0.1	12/13/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	14300		*	mg/L	10	20	12/11/07 10:22	ear
Sulfate	300.0 - Ion Chromatography		U	*	mg/L	10	50	12/18/07 18:22	ccp
TDS (calculated)	Calculation	12900			mg/L	10	50	01/10/08 15:14	calc
TDS (ratio - measured/calculated)	Calculation	1.11						01/10/08 15:14	calc

S.S. Papaodopulos & Assoc.
Project ID: 1101
Sample ID: 05-045-11402-DUP

ACZ Sample ID: ***L66703-05***
Date Sampled: *12/05/07 15:00*
Date Received: *12/10/07*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Boron, dissolved	M200.8 ICP-MS	2.7		*	mg/L	0.3	0.5	12/14/07 18:40	gme/scp
Calcium, dissolved	M200.7 ICP	34			mg/L	1	5	12/19/07 14:25	erf
Iron, dissolved	M200.7 ICP	1.8			mg/L	0.1	0.3	12/19/07 14:25	erf
Magnesium, dissolved	M200.7 ICP	4	B		mg/L	1	5	12/19/07 14:25	erf
Potassium, dissolved	M200.7 ICP	36		*	mg/L	2	8	12/19/07 14:25	erf
Sodium, dissolved	M200.7 ICP	3160			mg/L	3	20	12/19/07 20:32	djt
Strontium, dissolved	M200.7 ICP	7.4			mg/L	0.1	0.5	12/19/07 20:32	djt

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		6060			mg/L	2	20	12/17/07 0:00	lcp
Carbonate as CaCO3			U		mg/L	2	20	12/17/07 0:00	lcp
Hydroxide as CaCO3			U		mg/L	2	20	12/17/07 0:00	lcp
Total Alkalinity		6060			mg/L	2	20	12/17/07 0:00	lcp
Bromide	M300.0 - Ion Chromatography	4	B	*	mg/L	1	5	12/18/07 13:49	ccp
Cation-Anion Balance	Calculation								
Cation-Anion Balance		-1.7			%			01/23/08 0:00	calc
Sum of Anions		147			meq/L	0.1	0.5	01/23/08 0:00	calc
Sum of Cations		142			meq/L	0.1	0.5	01/23/08 0:00	calc
Chloride	M300.0 - Ion Chromatography	925			mg/L	5	30	12/18/07 13:49	ccp
Fluoride	M300.0 - Ion Chromatography		U	*	mg/L	1	5	12/18/07 13:49	ccp
Hardness as CaCO3	SM2340B - Calculation	101			mg/L	1	7	01/23/08 0:00	calc
Lab Filtration	SM 3030 B			*				12/10/07 16:01	ear
Lab Filtration & Acidification	SM 3030 B			*				12/12/07 9:31	wpl
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved		U	*	mg/L	0.02	0.1	12/19/07 20:56	pjb
pH (lab)	150.1 / SM4500H+ B								
pH		7.9	H		units	0.1	0.1	12/12/07 0:00	lcp
pH measured at		24.0			C	0.1	0.1	12/12/07 0:00	lcp
Residue, Filterable (TDS) @180C	160.1 / SM2540C	8930		*	mg/L	10	20	12/10/07 16:03	ear
Sulfate	300.0 - Ion Chromatography		U	*	mg/L	5	30	12/18/07 13:49	ccp
TDS (calculated)	Calculation	7810			mg/L	10	50	01/23/08 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.14						01/23/08 0:00	calc