

May 03, 2012

Report to:
Steve Shute
Lone Pine Gas, Inc.
PO Box 1054
Glenwood Springs, CO 81602

Bill to:
C/O Warren Associates, Inc.
Lone Pine Gas, Inc.
Roy Warren 4505 S. Broadway
Englewood, CO 80113

cc: Randy Miller

Project ID: LONE PINE GAS
ACZ Project ID: L94120

Steve Shute:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on April 19, 2012. This project has been assigned to ACZ's project number, L94120. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L94120. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after June 03, 2012. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Tony Antalek has reviewed and approved this report.



Lone Pine Gas, Inc.

May 03, 2012

Project ID: LONE PINE GAS

ACZ Project ID: L94120

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 4 ground water samples from Lone Pine Gas, Inc. on April 19, 2012. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L94120. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses except those qualified with an ACZ 'H' flag were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic and organic parameters. The individual methods are referenced on both the ACZ invoice and the analytical reports.

Lone Pine Gas, Inc.

Project ID: LONE PINE GAS
Sample ID: MW-1

ACZ Sample ID: **L94120-01**
Date Sampled: 04/17/12 11:30
Date Received: 04/19/12
Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	10.1			mg/L	0.2	1	04/24/12 0:36	jjc
Iron, dissolved	M200.7 ICP	0.05	B		mg/L	0.02	0.05	04/24/12 0:36	jjc
Magnesium, dissolved	M200.7 ICP	2.3			mg/L	0.2	1	04/24/12 0:36	jjc
Manganese, dissolved	M200.7 ICP	0.236			mg/L	0.005	0.03	04/24/12 0:36	jjc
Potassium, dissolved	M200.7 ICP	2.9			mg/L	0.3	2	04/24/12 0:36	jjc
Selenium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0003	04/27/12 5:17	pmc
Sodium, dissolved	M200.7 ICP	121			mg/L	0.3	2	04/24/12 0:36	jjc

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		249			mg/L	2	20	04/23/12 0:00	las
Carbonate as CaCO3			U		mg/L	2	20	04/23/12 0:00	las
Hydroxide as CaCO3			U		mg/L	2	20	04/23/12 0:00	las
Total Alkalinity		249			mg/L	2	20	04/23/12 0:00	las
Bromide	M300.0 - Ion Chromatography	0.036	B	*	mg/L	0.01	0.05	04/25/12 18:20	ccp
Chloride	M300.0 - Ion Chromatography	9.41		*	mg/L	0.5	2.5	04/25/12 18:20	ccp
Conductivity @25C	SM2510B	537			umhos/cm	1	10	04/23/12 18:36	las
Fluoride	M300.0 - Ion Chromatography	2.37		*	mg/L	0.1	0.5	04/25/12 18:20	ccp
Lab Filtration (0.45um) & Acidification	M200.7/200.8							04/20/12 14:15	mfm
Lab Filtration (glass fiber filter)	SOPWC050							04/20/12 12:03	las
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2	0.06	BH		mg/L	0.02	0.1	05/03/12 13:06	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.07	HB	*	mg/L	0.02	0.1	04/19/12 21:15	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.01	HB	*	mg/L	0.01	0.05	04/19/12 21:15	pjb
pH (lab)	SM4500H+ B								
pH		8.2	H		units	0.1	0.1	04/23/12 0:00	las
pH measured at		20.0			C	0.1	0.1	04/23/12 0:00	las
Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid	0.03	HB	*	mg/L	0.01	0.05	04/19/12 21:52	pjb
Residue, Filterable (TDS) @180C	SM2540C	360			mg/L	10	20	04/20/12 13:48	las
Sodium Absorption Ratio in Water	USGS - I1738-78	9.04				0.03	0.15	05/03/12 13:06	calc
Sulfate	M300.0 - Ion Chromatography	3.43			mg/L	0.5	2.5	04/25/12 18:20	ccp

Lone Pine Gas, Inc.

Project ID: LONE PINE GAS
Sample ID: MW-2

ACZ Sample ID: **L94120-02**
Date Sampled: 04/17/12 12:00
Date Received: 04/19/12
Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	24.8			mg/L	0.2	1	04/24/12 0:45	jjc
Iron, dissolved	M200.7 ICP	0.10			mg/L	0.02	0.05	04/24/12 0:45	jjc
Magnesium, dissolved	M200.7 ICP	6.3			mg/L	0.2	1	04/24/12 0:45	jjc
Manganese, dissolved	M200.7 ICP	0.019	B		mg/L	0.005	0.03	04/24/12 0:45	jjc
Potassium, dissolved	M200.7 ICP	1.3	B		mg/L	0.3	2	04/24/12 0:45	jjc
Selenium, dissolved	M200.8 ICP-MS			U	mg/L	0.0001	0.0003	04/27/12 5:20	pmc
Sodium, dissolved	M200.7 ICP	2.9			mg/L	0.3	2	04/24/12 0:45	jjc

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		83			mg/L	2	20	04/23/12 0:00	las
Carbonate as CaCO3			U		mg/L	2	20	04/23/12 0:00	las
Hydroxide as CaCO3			U		mg/L	2	20	04/23/12 0:00	las
Total Alkalinity		83			mg/L	2	20	04/23/12 0:00	las
Bromide	M300.0 - Ion Chromatography		U	*	mg/L	0.01	0.05	04/25/12 18:41	ccp
Chloride	M300.0 - Ion Chromatography	1.71	B	*	mg/L	0.5	2.5	04/25/12 18:41	ccp
Conductivity @25C	SM2510B	178			umhos/cm	1	10	04/23/12 18:44	las
Fluoride	M300.0 - Ion Chromatography	0.64		*	mg/L	0.1	0.5	04/25/12 18:41	ccp
Lab Filtration (0.45um) & Acidification	M200.7/200.8							04/20/12 14:15	mfm
Lab Filtration (glass fiber filter)	SOPWC050							04/20/12 12:04	las
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2	0.19	H		mg/L	0.02	0.1	05/03/12 13:07	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.19	H	*	mg/L	0.02	0.1	04/19/12 21:18	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction		HU	*	mg/L	0.01	0.05	04/19/12 21:18	pjb
pH (lab)	SM4500H+ B								
pH		8.1	H		units	0.1	0.1	04/23/12 0:00	las
pH measured at		20.0			C	0.1	0.1	04/23/12 0:00	las
Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid	0.02	HB	*	mg/L	0.01	0.05	04/19/12 21:54	pjb
Residue, Filterable (TDS) @180C	SM2540C	120			mg/L	10	20	04/20/12 13:50	las
Sodium Absorption Ratio in Water	USGS - I1738-78	0.14	B			0.03	0.15	05/03/12 13:07	calc
Sulfate	M300.0 - Ion Chromatography	4.48			mg/L	0.5	2.5	04/25/12 18:41	ccp

Lone Pine Gas, Inc.

Project ID: LONE PINE GAS
Sample ID: MW-3

ACZ Sample ID: **L94120-03**
Date Sampled: 04/17/12 16:45
Date Received: 04/19/12
Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	36.2			mg/L	0.2	1	04/24/12 0:48	jjc
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	04/24/12 0:48	jjc
Magnesium, dissolved	M200.7 ICP	6.4			mg/L	0.2	1	04/24/12 0:48	jjc
Manganese, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	04/24/12 0:48	jjc
Potassium, dissolved	M200.7 ICP	1.5	B		mg/L	0.3	2	04/24/12 0:48	jjc
Selenium, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0003	04/27/12 5:23	pmc
Sodium, dissolved	M200.7 ICP	3.8			mg/L	0.3	2	04/24/12 0:48	jjc

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		114			mg/L	2	20	04/23/12 0:00	las
Carbonate as CaCO3			U		mg/L	2	20	04/23/12 0:00	las
Hydroxide as CaCO3			U		mg/L	2	20	04/23/12 0:00	las
Total Alkalinity		114			mg/L	2	20	04/23/12 0:00	las
Bromide	M300.0 - Ion Chromatography	0.047	B	*	mg/L	0.01	0.05	04/25/12 19:02	ccp
Chloride	M300.0 - Ion Chromatography	6.80		*	mg/L	0.5	2.5	04/25/12 19:02	ccp
Conductivity @25C	SM2510B	264			umhos/cm	1	10	04/23/12 18:52	las
Fluoride	M300.0 - Ion Chromatography	0.51		*	mg/L	0.1	0.5	04/25/12 19:02	ccp
Lab Filtration (0.45um) & Acidification	M200.7/200.8							04/20/12 14:15	mfm
Lab Filtration (glass fiber filter)	SOPWC050							04/20/12 12:06	las
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2	0.67	H		mg/L	0.02	0.1	05/03/12 13:07	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.67	H	*	mg/L	0.02	0.1	04/19/12 21:20	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction		HU	*	mg/L	0.01	0.05	04/19/12 21:20	pjb
pH (lab)	SM4500H+ B								
pH		8.1	H		units	0.1	0.1	04/23/12 0:00	las
pH measured at		20.0			C	0.1	0.1	04/23/12 0:00	las
Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid	0.01	HB	*	mg/L	0.01	0.05	04/19/12 21:56	pjb
Residue, Filterable (TDS) @180C	SM2540C	160			mg/L	10	20	04/20/12 13:51	las
Sodium Absorption Ratio in Water	USGS - I1738-78	0.16				0.03	0.15	05/03/12 13:07	calc
Sulfate	M300.0 - Ion Chromatography	10.04			mg/L	0.5	2.5	04/25/12 19:02	ccp

Lone Pine Gas, Inc.

Project ID: LONE PINE GAS
Sample ID: MW-4

ACZ Sample ID: **L94120-04**
Date Sampled: 04/17/12 17:00
Date Received: 04/19/12
Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	11.6			mg/L	0.2	1	04/24/12 0:51	jjc
Iron, dissolved	M200.7 ICP	0.28			mg/L	0.02	0.05	04/24/12 0:51	jjc
Magnesium, dissolved	M200.7 ICP	2.3			mg/L	0.2	1	04/24/12 0:51	jjc
Manganese, dissolved	M200.7 ICP	0.005	B		mg/L	0.005	0.03	04/24/12 0:51	jjc
Potassium, dissolved	M200.7 ICP	1.3	B		mg/L	0.3	2	04/24/12 0:51	jjc
Selenium, dissolved	M200.8 ICP-MS	0.0001	B		mg/L	0.0001	0.0003	04/27/12 5:26	pmc
Sodium, dissolved	M200.7 ICP	49.1			mg/L	0.3	2	04/24/12 0:51	jjc

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		128			mg/L	2	20	04/23/12 0:00	las
Carbonate as CaCO3			U		mg/L	2	20	04/23/12 0:00	las
Hydroxide as CaCO3			U		mg/L	2	20	04/23/12 0:00	las
Total Alkalinity		128			mg/L	2	20	04/23/12 0:00	las
Bromide	M300.0 - Ion Chromatography	0.023	B	*	mg/L	0.01	0.05	04/27/12 12:24	ccp
Chloride	M300.0 - Ion Chromatography	6.34		*	mg/L	0.5	2.5	04/26/12 13:03	ccp
Conductivity @25C	SM2510B	273			umhos/cm	1	10	04/23/12 19:01	las
Fluoride	M300.0 - Ion Chromatography	0.39	B	*	mg/L	0.1	0.5	04/26/12 13:03	ccp
Lab Filtration (0.45um) & Acidification	M200.7/200.8							04/20/12 14:16	mfm
Lab Filtration (glass fiber filter)	SOPWC050							04/20/12 12:07	las
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2	0.71	H		mg/L	0.02	0.1	05/03/12 13:07	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.71	H	*	mg/L	0.02	0.1	04/19/12 21:21	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction		HU	*	mg/L	0.01	0.05	04/19/12 21:21	pjb
pH (lab)	SM4500H+ B								
pH		8.1	H		units	0.1	0.1	04/23/12 0:00	las
pH measured at		20.0			C	0.1	0.1	04/23/12 0:00	las
Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid	0.01	HB	*	mg/L	0.01	0.05	04/19/12 21:58	pjb
Residue, Filterable (TDS) @180C	SM2540C	160			mg/L	10	20	04/20/12 13:52	las
Sodium Absorption Ratio in Water	USGS - I1738-78	3.48				0.03	0.15	05/03/12 13:07	calc
Sulfate	M300.0 - Ion Chromatography	4.47			mg/L	0.5	2.5	04/26/12 13:03	ccp

Report Header Explanations

<i>Batch</i>	A distinct set of samples analyzed at a specific time
<i>Found</i>	Value of the QC Type of interest
<i>Limit</i>	Upper limit for RPD, in %.
<i>Lower</i>	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
<i>MDL</i>	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
<i>PCN/SCN</i>	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
<i>PQL</i>	Practical Quantitation Limit, typically 5 times the MDL.
<i>QC</i>	True Value of the Control Sample or the amount added to the Spike
<i>Rec</i>	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
<i>RPD</i>	Relative Percent Difference, calculation used for Duplicate QC Types
<i>Upper</i>	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
<i>Sample</i>	Value of the Sample of interest

QC Sample Types

<i>AS</i>	Analytical Spike (Post Digestion)	<i>LCSWD</i>	Laboratory Control Sample - Water Duplicate
<i>ASD</i>	Analytical Spike (Post Digestion) Duplicate	<i>LFB</i>	Laboratory Fortified Blank
<i>CCB</i>	Continuing Calibration Blank	<i>LFM</i>	Laboratory Fortified Matrix
<i>CCV</i>	Continuing Calibration Verification standard	<i>LFMD</i>	Laboratory Fortified Matrix Duplicate
<i>DUP</i>	Sample Duplicate	<i>LRB</i>	Laboratory Reagent Blank
<i>ICB</i>	Initial Calibration Blank	<i>MS</i>	Matrix Spike
<i>ICV</i>	Initial Calibration Verification standard	<i>MSD</i>	Matrix Spike Duplicate
<i>ICSAB</i>	Inter-element Correction Standard - A plus B solutions	<i>PBS</i>	Prep Blank - Soil
<i>LCSS</i>	Laboratory Control Sample - Soil	<i>PBW</i>	Prep Blank - Water
<i>LCSSD</i>	Laboratory Control Sample - Soil Duplicate	<i>PQV</i>	Practical Quantitation Verification standard
<i>LCSW</i>	Laboratory Control Sample - Water	<i>SDL</i>	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

- (1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
- (2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
- (3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
- (4) EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
- (5) Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995 & 20th edition (1998).

Comments

- (1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
- (3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
- (4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:

<http://www.acz.com/public/extquallist.pdf>

Lone Pine Gas, Inc.

ACZ Project ID: **L94120**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L94120-01	WG321631	Bromide	M300.0 - Ion Chromatography	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Chloride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Fluoride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG321366	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG321369	Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
M365.1 - Automated Ascorbic Acid			RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).	
M365.1 - Automated Ascorbic Acid			ZU	Analysis date/time precedes filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.	

Lone Pine Gas, Inc.

ACZ Project ID: **L94120**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION	
L94120-02	WG321631	Bromide	M300.0 - Ion Chromatography	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.	
			M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).	
		Chloride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).	
			Fluoride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG321366	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).	
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).	
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).	
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).	
	WG321369	Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).	
			M365.1 - Automated Ascorbic Acid	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).	
			M365.1 - Automated Ascorbic Acid	ZU	Analysis date/time precedes filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.	

Lone Pine Gas, Inc.

ACZ Project ID: **L94120**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION	
L94120-03	WG321631	Bromide	M300.0 - Ion Chromatography	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.	
			M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).	
		Chloride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).	
			Fluoride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG321366	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).	
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).	
			M353.2 - Automated Cadmium Reduction	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).	
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).	
			M353.2 - Automated Cadmium Reduction	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).	
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).	
	WG321369	Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).	
			M365.1 - Automated Ascorbic Acid	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).	
M365.1 - Automated Ascorbic Acid			ZU	Analysis date/time precedes filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.		

Lone Pine Gas, Inc.

ACZ Project ID: **L94120**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L94120-04	WG321631	Bromide	M300.0 - Ion Chromatography	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Chloride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Fluoride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG321366	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
			M353.2 - Automated Cadmium Reduction	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
			M353.2 - Automated Cadmium Reduction	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG321369	Phosphorus, ortho dissolved	M365.1 - Automated Ascorbic Acid	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			M365.1 - Automated Ascorbic Acid	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
M365.1 - Automated Ascorbic Acid			ZU	Analysis date/time precedes filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.	

Lone Pine Gas, Inc.

Project ID: LONE PINE GAS
 Sample ID: MW-1

ACZ Sample ID: **L94120-01**
 Date Sampled: 04/17/12 11:30
 Date Received: 04/19/12
 Sample Matrix: Ground Water

BTEX/Gasoline Range Organics (C6-C10)

Analysis Method: **M8021B/8015D GC/PID/FID**
 Extract Method: **5030C**

Workgroup: WG321774

Analyst: pml
 Extract Date: 04/27/12 17:37
 Analysis Date: 04/27/12 17:37

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Benzene	71-43-2		U	1	*	ug/L	0.2	1
Ethylbenzene	100-41-4		U	1	*	ug/L	0.2	1
m p Xylene	1330-20-7		U	1	*	ug/L	0.4	2
o Xylene	95-47-6		U	1	*	ug/L	0.2	1
Toluene	108-88-3		U	1	*	ug/L	0.2	1
TVH C6 to C10	TVH		U	1	*	mg/L	0.05	0.05
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4	107.4		1	*	%	70	130
Bromofluorobenzene (TVH)	460-00 4	110		1	*	%	70	130

Lone Pine Gas, Inc.

Project ID: LONE PINE GAS

Sample ID: MW-1

ACZ Sample ID: **L94120-01**

Date Sampled: 04/17/12 11:30

Date Received: 04/19/12

Sample Matrix: Ground Water

Diesel Range Organics (C10-C28)Analysis Method: **M8015D GC/FID**Extract Method: **M3520****Workgroup:** WG321725

Analyst: itk

Extract Date: 04/23/12 16:18

Analysis Date: 04/27/12 12:38

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
TPH C10 to C28		4.3		1.06	*	mg/L	0.1	0.5
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
OTP	84-15-1	79.4		1.06	*	%	70	130

Lone Pine Gas, Inc.

Project ID: LONE PINE GAS
 Sample ID: MW-2

ACZ Sample ID: **L94120-02**
 Date Sampled: 04/17/12 12:00
 Date Received: 04/19/12
 Sample Matrix: Ground Water

BTEX/Gasoline Range Organics (C6-C10)

Analysis Method: **M8021B/8015D GC/PID/FID**
 Extract Method: **5030C**

Workgroup: **WG321774**

Analyst: pml
 Extract Date: 04/27/12 18:15
 Analysis Date: 04/27/12 18:15

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Benzene	71-43-2		U	1	*	ug/L	0.2	1
Ethylbenzene	100-41-4		U	1	*	ug/L	0.2	1
m p Xylene	1330-20-7		U	1	*	ug/L	0.4	2
o Xylene	95-47-6		U	1	*	ug/L	0.2	1
Toluene	108-88-3		U	1	*	ug/L	0.2	1
TVH C6 to C10	TVH		U	1	*	mg/L	0.05	0.05
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4	106.8		1	*	%	70	130
Bromofluorobenzene (TVH)	460-00 4	109.5		1	*	%	70	130

Lone Pine Gas, Inc.

Project ID: LONE PINE GAS

Sample ID: MW-2

ACZ Sample ID: **L94120-02**

Date Sampled: 04/17/12 12:00

Date Received: 04/19/12

Sample Matrix: Ground Water

Diesel Range Organics (C10-C28)Analysis Method: **M8015D GC/FID**Extract Method: **M3520****Workgroup:** WG321725

Analyst: itk

Extract Date: 04/23/12 16:19

Analysis Date: 04/27/12 13:04

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
TPH C10 to C28		1.1		1.01	*	mg/L	0.1	0.5
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
OTP	84-15-1	82.7		1.01	*	%	70	130

Lone Pine Gas, Inc.

Project ID: LONE PINE GAS
Sample ID: MW-3

ACZ Sample ID: **L94120-03**
Date Sampled: 04/17/12 16:45
Date Received: 04/19/12
Sample Matrix: Ground Water

BTEX/Gasoline Range Organics (C6-C10)

Analysis Method: **M8021B/8015D GC/PID/FID**
Extract Method: **5030C**

Workgroup: WG321774

Analyst: pml
Extract Date: 04/27/12 18:53
Analysis Date: 04/27/12 18:53

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Benzene	71-43-2		U	1	*	ug/L	0.2	1
Ethylbenzene	100-41-4		U	1	*	ug/L	0.2	1
m p Xylene	1330-20-7		U	1	*	ug/L	0.4	2
o Xylene	95-47-6		U	1	*	ug/L	0.2	1
Toluene	108-88-3		U	1	*	ug/L	0.2	1
TVH C6 to C10	TVH		U	1	*	mg/L	0.05	0.05
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4	105.4		1	*	%	70	130
Bromofluorobenzene (TVH)	460-00 4	107.7		1	*	%	70	130

Lone Pine Gas, Inc.

Project ID: LONE PINE GAS

Sample ID: MW-3

ACZ Sample ID: **L94120-03**

Date Sampled: 04/17/12 16:45

Date Received: 04/19/12

Sample Matrix: Ground Water

Diesel Range Organics (C10-C28)Analysis Method: **M8015D GC/FID**Extract Method: **M3520****Workgroup:** WG321725

Analyst: itk

Extract Date: 04/23/12 16:20

Analysis Date: 04/27/12 13:30

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
TPH C10 to C28		3.9		1	*	mg/L	0.1	0.5
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
OTP	84-15-1	95.9		1	*	%	70	130

Lone Pine Gas, Inc.

Project ID: LONE PINE GAS
Sample ID: MW-4

ACZ Sample ID: **L94120-04**
Date Sampled: 04/17/12 17:00
Date Received: 04/19/12
Sample Matrix: Ground Water

BTEX/Gasoline Range Organics (C6-C10)

Analysis Method: **M8021B/8015D GC/PID/FID**
Extract Method: **5030C**

Workgroup: WG321774

Analyst: pml
Extract Date: 04/27/12 19:30
Analysis Date: 04/27/12 19:30

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Benzene	71-43-2		U	1	*	ug/L	0.2	1
Ethylbenzene	100-41-4		U	1	*	ug/L	0.2	1
m p Xylene	1330-20-7		U	1	*	ug/L	0.4	2
o Xylene	95-47-6		U	1	*	ug/L	0.2	1
Toluene	108-88-3		U	1	*	ug/L	0.2	1
TVH C6 to C10	TVH		U	1	*	mg/L	0.05	0.05
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4	105.5		1	*	%	70	130
Bromofluorobenzene (TVH)	460-00 4	107.5		1	*	%	70	130

Lone Pine Gas, Inc.

Project ID: LONE PINE GAS

Sample ID: MW-4

ACZ Sample ID: **L94120-04**

Date Sampled: 04/17/12 17:00

Date Received: 04/19/12

Sample Matrix: Ground Water

Diesel Range Organics (C10-C28)Analysis Method: **M8015D GC/FID**Extract Method: **M3520****Workgroup:** WG321725

Analyst: itk

Extract Date: 04/23/12 16:21

Analysis Date: 04/27/12 13:56

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
TPH C10 to C28		1.2		1	*	mg/L	0.1	0.5
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
OTP	84-15-1	71		1	*	%	70	130

Report Header Explanations

<i>Batch</i>	A distinct set of samples analyzed at a specific time
<i>Found</i>	Value of the QC Type of interest
<i>Limit</i>	Upper limit for RPD, in %.
<i>Lower</i>	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
<i>LCL</i>	Lower Control Limit
<i>MDL</i>	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
<i>PCN/SCN</i>	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
<i>PQL</i>	Practical Quantitation Limit, typically 5 times the MDL.
<i>QC</i>	True Value of the Control Sample or the amount added to the Spike
<i>Rec</i>	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
<i>RPD</i>	Relative Percent Difference, calculation used for Duplicate QC Types
<i>Upper</i>	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
<i>UCL</i>	Upper Control Limit
<i>Sample</i>	Value of the Sample of interest

QC Sample Types

<i>SURR</i>	Surrogate	<i>LFM</i>	Laboratory Fortified Matrix
<i>INTS</i>	Internal Standard	<i>LFMD</i>	Laboratory Fortified Matrix Duplicate
<i>DUP</i>	Sample Duplicate	<i>LRB</i>	Laboratory Reagent Blank
<i>LCSS</i>	Laboratory Control Sample - Soil	<i>MS/MSD</i>	Matrix Spike/Matrix Spike Duplicate
<i>LCSW</i>	Laboratory Control Sample - Water	<i>PBS</i>	Prep Blank - Soil
<i>LFB</i>	Laboratory Fortified Blank	<i>PBW</i>	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
E	Analyte concentration is estimated due to result exceeding calibration range.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
J	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
L	Target analyte response was below the laboratory defined negative threshold.
M	Poor spike recovery is accepted because sample concentration is four times greater than spike concentration.
P	Analyte concentration differs from second detector by more than 40%.
R	Poor spike recovery accepted because the other spike in the set fell within the given limits.
T	High Relative Percent Difference (RPD) accepted because sample concentrations are less than 10x the MDL.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
V	High blank data accepted because sample concentration is 10 times higher than blank concentration.
X	Quality control sample is out of control.
Z	Poor spike recovery is accepted because sample concentration is four times greater than spike concentration.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/4-90/020. Methods for the Determination of Organic Compounds in Drinking Water (I), July 1990.
(3)	EPA 600/R-92/129. Methods for the Determination of Organic Compounds in Drinking Water (II), July 1990.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(5)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995 & 20th edition (1998).

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:

<http://www.acz.com/public/extquallist.pdf>

Lone Pine Gas, Inc.

ACZ Project ID: **L94120**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L94120-01	WG321774	*All Compounds*	M8021B/8015D GC/PID/FID	QO	The sample vial used for the batch spike QC was received and analyzed with inadequate chemical preservation.
			M8021B/8015D GC/PID/FID	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG321725	M8015D GC/FID	Q9	Insufficient sample received to meet method QC requirements.	
	WG321508	M3520	Q9	Insufficient sample received to meet method QC requirements.	
L94120-02	WG321774	*All Compounds*	M8021B/8015D GC/PID/FID	QO	The sample vial used for the batch spike QC was received and analyzed with inadequate chemical preservation.
			M8021B/8015D GC/PID/FID	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG321725	M8015D GC/FID	Q9	Insufficient sample received to meet method QC requirements.	
	WG321508	M3520	Q9	Insufficient sample received to meet method QC requirements.	
L94120-03	WG321774	*All Compounds*	M8021B/8015D GC/PID/FID	QO	The sample vial used for the batch spike QC was received and analyzed with inadequate chemical preservation.
			M8021B/8015D GC/PID/FID	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG321725	M8015D GC/FID	Q9	Insufficient sample received to meet method QC requirements.	
	WG321508	M3520	Q9	Insufficient sample received to meet method QC requirements.	
L94120-04	WG321774	*All Compounds*	M8021B/8015D GC/PID/FID	QO	The sample vial used for the batch spike QC was received and analyzed with inadequate chemical preservation.
			M8021B/8015D GC/PID/FID	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG321725	M8015D GC/FID	Q9	Insufficient sample received to meet method QC requirements.	
	WG321508	M3520	Q9	Insufficient sample received to meet method QC requirements.	

Lone Pine Gas, Inc.

ACZ Project ID: **L94120**

No certification qualifiers associated with this analysis

Lone Pine Gas, Inc.
 LONE PINE GAS

ACZ Project ID: L94120
 Date Received: 04/19/2012 09:12
 Received By: ksj
 Date Printed: 4/19/2012

Receipt Verification

	YES	NO	NA
1) Does this project require special handling procedures such as CLP protocol?			X
2) Are the custody seals on the cooler intact?	X		
3) Are the custody seals on the sample containers intact?			X
4) Is there a Chain of Custody or other directive shipping papers present?	X		
5) Is the Chain of Custody complete?	X		
6) Is the Chain of Custody in agreement with the samples received?	X		
7) Is there enough sample for all requested analyses?	X		
8) Are all samples within holding times for requested analyses?	X		
9) Were all sample containers received intact?	X		
10) Are the temperature blanks present?			X
11) Are the trip blanks (VOA and/or Cyanide) present?			X
12) Are samples requiring no headspace, headspace free?	X		
13) Do the samples that require a Foreign Soils Permit have one?			X

Exceptions: If you answered no to any of the above questions, please describe

N/A

Contact (For any discrepancies, the client must be contacted)

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
2491	1.8	14

Client must contact ACZ Project Manager if analysis should not proceed for samples received outside of thermal preservation acceptance criteria.

Notes

Lone Pine Gas, Inc.
 LONE PINE GAS

ACZ Project ID: L94120
 Date Received: 04/19/2012 09:12
 Received By: ksj
 Date Printed: 4/19/2012

Sample Container Preservation

SAMPLE	CLIENT ID	R < 2	G < 2	BK < 2	Y < 2	YG < 2	B < 2	O < 2	T > 12	N/A	RAD	ID
L94120-01	MW-1									X		<input type="checkbox"/>
L94120-02	MW-2									X		<input type="checkbox"/>
L94120-03	MW-3									X		<input type="checkbox"/>
L94120-04	MW-4									X		<input type="checkbox"/>

Sample Container Preservation Legend

Abbreviation	Description	Container Type	Preservative/Limits
R	Raw/Nitric	RED	pH must be < 2
B	Filtered/Sulfuric	BLUE	pH must be < 2
BK	Filtered/Nitric	BLACK	pH must be < 2
G	Filtered/Nitric	GREEN	pH must be < 2
O	Raw/Sulfuric	ORANGE	pH must be < 2
P	Raw/NaOH	PURPLE	pH must be > 12 *
T	Raw/NaOH Zinc Acetate	TAN	pH must be > 12
Y	Raw/Sulfuric	YELLOW	pH must be < 2
YG	Raw/Sulfuric	YELLOW GLASS	pH must be < 2
N/A	No preservative needed	Not applicable	
RAD	Gamma/Beta dose rate	Not applicable	must be < 250 µR/hr

* pH check performed by analyst prior to sample preparation

Sample IDs Reviewed By: ksj



Laboratories, Inc.

L94120

CHAIN OF CUSTODY

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

Name: Steven Shute
 Company: Lone Pine Gas
 E-mail: pipeline@rop.net

Address: 4505 S. Broadway
Englewood, CO 80113
 Telephone: 970-928-9208

Name: Randy Miller
 Company: North Park Engineering

E-mail: randy@npeng.com
 Telephone: 970-218-4974

Name: Steven Shute
 Company: Lone Pine Gas
 E-mail: pipeline@rop.net

Address: 4505 S. Broadway
Englewood CO 80113
 Telephone: 970-928-9208

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES NO

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for SDWA Compliance Monitoring? Yes No

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: RCM Sampler's site Information State CO Zip code 80180 Time Zone MT

Quote #:	Project/PO #:	Reporting state for compliance testing:	Check box if samples include NRC licensed material?	# of Containers													
<u>GW-910-1, SA-101</u>	<u>Lone Pine Gas</u>		<input type="checkbox"/>	<u>GW-910-1</u>													
<u>MW-1</u>	<u>4/17/12 11:30</u>	<u>GW</u>	<input checked="" type="checkbox"/>	<u>7</u>	<u>x</u>												
<u>MW-2</u>	<u>4/17/12 12:00</u>	<u>GW</u>	<input checked="" type="checkbox"/>	<u>7</u>	<u>x</u>												
<u>MW-3</u>	<u>4/17/12 16:45</u>	<u>GW</u>	<input checked="" type="checkbox"/>	<u>7</u>	<u>x</u>												
<u>MW-4</u>	<u>4/17/12 17:00</u>	<u>GW</u>	<input checked="" type="checkbox"/>	<u>7</u>	<u>x</u>												

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

<u>Randy Miller</u>	<u>4/19/12 11:00</u>	<u>AK</u>	<u>4/19/12 1902</u>
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L94120 Chain of Custody