Lone Pine water tests L94083

Location				COGCC: 910-1	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
Collected					**04/17/2012**					
Received					04/19/2012					
Lab ID					L94120-01					
	UNITS	**MDL**	**PQL**							
Benzene	ug/L	0.2	1	5	U	U	U	U		
Ethylbenzene	ug/L	0.2	1	700	U					
m p Xylene	ug/L	0.4	2		U					
o Xylene	ug/L	0.2	1		U					
Total Xylenes	ug/L			10000	U					
Toluene	ug/L	0.2	1	1000	U					
TVH C6 to C10	mg/L	0.05	0.05		U					
TPH C10 to C28	mg/L	0.1	0.5		4.3					
Calcium, dissolved	mg/L	0.2	1		10.1					
Iron, dissolved	mg/L	0.02	0.05	5 (1)	0.05					
Magnesium, dissolved	mg/L	0.2	1		2.3					
Manganese, dissolved	mg/L	0.005	0.03	0.2 (1)	0.236					
Potassium, dissolved	mg/L	0.3	2		2.9					
Selenium, dissolved	mg/L	0.0001	0.0003		U					
Sodium, dissolved	mg/L	0.3	2		121					
Bicarbonate as CaCO3	mg/L	2	20		249					
Bromide	mg/L	0.01	0.05		0.036					
Carbonate as CaCO3	mg/L	2	20		U					
Chloride	mg/L	0.5	2.5	<1.25 BGRD	9.41					
Conductivity @25C	umhos/cr	1	10		537					
Fluoride	mg/L	0.1	0.5	2 (1)	2.37					
Hydroxide as CaCO3	mg/L	2	20		U					
Nitrate as N, dissolved	mg/L	0.02	0.1		0.060					
Nitrate/Nitrite as N, dissolved	mg/L	0.02	0.1		0.070					
Nitrite as N, dissolved	mg/L	0.01	0.05		0.010					
pH	units	0.1	0.1	6.8-8.5 (1)	8.2					
pH measured at	C	0.1	0.1		20					
Phosphorus, ortho dissolved	mg/L	0.01	0.05		0.03					
Residue, Filterable (TDS) @180C	mg/L	10	20	<1.25 BGRD	360					
Sodium Absorption Ratio in Water		0.03	0.15		9.04					
Sulfate	mg/L	0.5	2.5	<1.25 BGRD	3.43					
Total Alkalinity	mg/L	2	20		249					

(1) Concentrations taken from CDPHE-WQCC Regulation 41 - The Basic Standards for Ground Water (Table 3, Agricultural Standards).

(2) Possible background concentration

U = The material was analyzed for, but was not detected above the method detection limit (MDL).

Lone Pine water tests L94083

Location				COGCC: 910-1	MW-1	MW-2	MW-3	MW-4	Pond 5	Spg Gulch upstream	Hell Creek upstream	Spg Gulch dnstream	Hell Creek dnstream
Collected					**04/17/2012**	**04/17/2012**	**04/17/2012**	**04/17/2012**	**04/13/2012**	**04/13/2012**	**04/13/2012**	**04/13/2012**	**04/13/2012**
Received					04/19/2012	04/19/2012	04/19/2012	04/19/2012	04/17/2012	04/17/2012	04/17/2012	04/17/2012	04/17/2012
Lab ID					L94120-01	L94120-02	L94120-03	L94120-04	L94083-01	L94083-02	L94083-03	L94083-04	L94083-05
	UNITS	**MDL**	**PQL**										
Benzene	ug/L	0.2	1	5	U	U	U	U	U	U	U	U	U
Ethylbenzene	ug/L	0.2	1	700	U	U	U	U	U	U	U	U	U
m p Xylene	ug/L	0.4	2		U	U	U	U	U	U	U	U	U
o Xylene	ug/L	0.2	1		U	U	U	U	U	U	U	U	U
Total Xylenes	ug/L			10000	U	U	U	U	U	U	U	U	U
Toluene	ug/L	0.2	1	1000	U	U	U	U	U	U	U	U	U
TVH C6 to C10	mg/L	0.05	0.05		U	U	U	U	U	U	U	U	U
TPH C10 to C28	mg/L	0.1	0.5		4.3	1.1	3.9	1.2	1.1			0.2	0.1
Calcium, dissolved	mg/L	0.2	1		10.1	24.8	36.2	11.6	23.4	33.5	84.1	50.6	66.7
Iron, dissolved	mg/L	0.02	0.05	5 (1)	0.05	0.10		0.28	0.08	0.15	0.05	0.06	0.05
Magnesium, dissolved	mg/L	0.2	1		2.3	6.3	6.4	2.3	10.1	8.1	40.5	11.7	24.7
Manganese, dissolved	mg/L	0.005	0.03	0.2 (1)	0.236	0.019		0.005	0.023	0.061	0.124	0.082	0.107
Potassium, dissolved	mg/L	0.3	2		2.9	1.3	1.5	1.3	11.3	1.2	2.7	3.8	3.6
Selenium, dissolved	mg/L	0.0001	0.0003		U	U	0.0002	0.0001	U	0.0002	0.0010	0.0005	0.0007
Sodium, dissolved	mg/L	0.3	2		121	2.9	3.8	49.1	298.0	5.9	26.3	30.2	29.5
Bicarbonate as CaCO3	mg/L	2	20		249	83	114	128	678	112	196	199	196
Bromide	mg/L	0.01	0.05		0.036	U	0.047	0.023	0.080	U	U	U	U
Carbonate as CaCO3	mg/L	2	20		U	U	U	U	63	6	10	10	12
Chloride	mg/L	0.5	2.5	<1.25 BGRD	9.41	1.71	6.80	6.34	20.99	1.09 (2)	4.34 (2)	3.59	3.93
Conductivity @25C	umhos/cr	1	10		537	178	264	273	1,400	256	792	458	629
Fluoride	mg/L	0.1	0.5	2 (1)	2.37	0.64	0.51	0.39	1.54	0.73	0.41	0.83	0.66
Hydroxide as CaCO3	mg/L	2	20		U	U	U	U	U	U	U	U	U
Nitrate as N, dissolved	mg/L	0.02	0.1		0.060	0.190	0.670	0.710	0.030	U	U	U	U
Nitrate/Nitrite as N, dissolved	mg/L	0.02	0.1		0.070	0.190	0.670	0.710	0.030	U	U	U	U
Nitrite as N, dissolved	mg/L	0.01	0.05		0.010	U	U	U	U	U	U	U	U
pH	units	0.1	0.1	6.8-8.5 (1)	8.2	8.1	8.1	8.1	8.6	8.5	8.4	8.5	8.5
pH measured at	C	0.1	0.1		20	20.0	20.0	20.0	19.0	20.0	19.0	19.0	19.0
Phosphorus, ortho dissolved	mg/L	0.01	0.05		0.03	0.02	0.01	0.01	0.02	U	0.01	U	U
Residue, Filterable (TDS) @180C	mg/L	10	20	<1.25 BGRD	360	120	160	160	910	170 (2)	550 (2)	280	400
Sodium Absorption Ratio in Water		0.03	0.15		9.04	0.14	0.16	3.48	13.10	0.24	0.60	1.01	0.79
Sulfate	mg/L	0.5	2.5	<1.25 BGRD	3.43	4.48	10.04	4.47	1.67	10.14 (2)	209.13 (2)	31.22	111.90
Total Alkalinity	mg/L	2	20		249	83.0	114.0	128.0	741.0	118.0	206.0	210.0	208.0

(1) Concentrations taken from CDPHE-WQCC Regulation 41 - The Basic Standards for Ground Water (Table 3, Agricultural Standards).

(2) Possible background concentration

U = The material was analyzed for, but was not detected above the method detection limit (MDL).