

**Sample Analysis Report**

**December, 2009**

Analyst Initials

Date

*MR*  
01/08/10

Sample Name - Date Sampled - Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments
<b>Extraction Wells</b>							
AE-3-12-07-09-10:30	112	1.0		5.0		10.0	
HZ-S-12-07-09-11:06	846	1.0		5.0		10.0	
LB-1-12-07-09-10:33	473	1.0		5.0		10.0	
LB-3-12-07-09-10:36	460	1.0		5.0		10.0	
PW-1-12-07-09-08:27	786	1.0		5.0		10.0	
SW-COMB-12-07-09-08:21	518	1.0		5.0		10.0	
DOLPH-12-07-09-08:23	74	1.0		5.0		10.0	
TW-5-12-07-09-10:45	839	1.0		5.0		10.0	
TW-8-12-07-09-13:45	463	1.0		5.0		10.0	
TW-9-12-07-09-11:00	984	1.0		5.0		10.0	
TW-10-12-07-09-10:56	708	1.0		5.0		10.0	
TW-13-12-07-09-11:27	669	1.0		5.0		10.0	
TW-14-12-07-09-11:13	105	1.0		5.0		10.0	
TW-17-12-07-09-11:16	95	1.0		5.0		10.0	
TW-18-12-07-09-08:25	307	1.0		5.0		10.0	
TW-19-12-07-09-09:00	749	1.0		5.0		10.0	
TW-19-12-14-09-09:22	762	1.0		5.0		10.0	
TW-19-12-21-09-09:10	796	1.0		5.0		10.0	
TW-19-12-28-09-12:14	725	1.0		5.0		10.0	
TW-20-12-07-09-10:45	1781	1.0		5.0		10.0	
<b>RED POND</b>							
Red Pond-12-07-09-08:20	541	1.0		5.0		10.0	
Red Pond-12-14-09-08:20	535	1.0		5.0		10.0	

Sample Name - Date Sampled - Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments
<b>RED POND</b>							
Red Pond-12-21-09-07:40	552	1.0		5.0		10.0	
Red Pond-12-28-09-09:53	572	1.0		5.0		10.0	
<b>OUTFALL001</b>							
OUTFALL-12-01-09-	5	1.0	7	5.0		10.0	
OUTFALL-12-02-09-	5	1.0	7	5.0		10.0	
OUTFALL-12-03-09-	6	1.0	6	5.0		10.0	
OUTFALL-12-06-09-	5	1.0	5	5.0		10.0	
OUTFALL-12-07-09-	6	1.0	6	5.0		10.0	
OUTFALL-12-08-09-	6	1.0	6	5.0		10.0	
OUTFALL-12-09-09-	6	1.0	5	5.0		10.0	
OUTFALL-12-10-09-	6	1.0	5	5.0		10.0	
OUTFALL-12-13-09-	6	1.0	nd	5.0		10.0	
OUTFALL-12-14-09-	5	1.0	5	5.0		10.0	
OUTFALL-12-15-09-	6	1.0	6	5.0		10.0	
OUTFALL-12-16-09-	6	1.0	6	5.0		10.0	
OUTFALL-12-17-09-	6	1.0	6	5.0		10.0	
OUTFALL-12-20-09-	5	1.0	6	5.0		10.0	
OUTFALL-12-21-09-	5	1.0	5	5.0		10.0	
OUTFALL-12-22-09-	5	1.0	6	5.0		10.0	
OUTFALL-12-23-09-	5	1.0	6	5.0		10.0	
OUTFALL-12-24-09-	6	1.0	6	5.0		10.0	
OUTFALL-12-27-09-	5	1.0	6	5.0		10.0	
OUTFALL-12-28-09-	5	1.0	6	5.0		10.0	
OUTFALL-12-29-09-	6	1.0	6	5.0		10.0	
OUTFALL-12-30-09-	5	1.0	6	5.0		10.0	
OUTFALL-12-31-09-	6	1.0	6	5.0		10.0	
<b>Injection Wells</b>							
Maple-Inj-12-03-09-09:30	5	1.0	8	5.0		10.0	

Sample Name - Date Sampled - Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments
<b>Injection Wells</b>							
Maple-Inj-12-07-09-08:55	5	1.0	6	5.0		10.0	
Maple-Inj-12-10-09-10:56	6	1.0	7	5.0		10.0	
Maple-Inj-12-14-09-09:17	11	1.0	nd	5.0		10.0	
Maple-Inj-12-17-09-08:09	6	1.0	5	5.0		10.0	
Maple-Inj-12-21-09-09:05	8	1.0	nd	5.0		10.0	
Maple-Inj-12-24-09-07:40	6	1.0	5	5.0		10.0	
Maple-Inj-12-28-09-12:10	6	1.0	5	5.0		10.0	
Maple-Inj-12-31-09-10:05	8	1.0	6	5.0		10.0	
<b>C3</b>							
TW-1-12-07-09-08:29	131	1.0		5.0		10.0	
<b>D0</b>							
A2 Cleaning Supply-12-03-09-13:40	71	1.0		5.0		10.0	
<b>D2</b>							
MW-62s-12-07-09-13:20	nd	1.0		5.0		10.0	
MW-62i-12-07-09-13:00	nd	1.0		5.0		10.0	
MW-63s-12-07-09-10:40	nd	1.0		5.0		10.0	
MW-63i-12-07-09-09:35	nd	1.0		5.0		10.0	
435 Barber-12-14-09-11:20	19	1.0		5.0		10.0	
<b>E</b>							
MW-62d-12-07-09-12:15	nd	1.0		5.0		10.0	
MW-63d-12-07-09-10:20	nd	1.0		5.0		10.0	
MW-79s-12-01-09-10:50	319	1.0		5.0		10.0	
MW-85-12-01-09-14:20	1688	1.0		5.0		10.0	
MW-87s-12-01-09-11:25	74	1.0		5.0		10.0	
MW-87d-12-01-09-12:05	605	1.0		5.0		10.0	
MW-88-12-03-09-10:15	380	1.0		5.0		10.0	
MW-100-12-03-09-11:35	316	1.0		5.0		10.0	
MW-115-12-01-09-10:05	700	1.0		5.0		10.0	

Sample Name - Date Sampled - Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments
<b>E</b>							
TW-11-12-07-09-10:48	210	1.0		5.0		10.0	
TW-15-12-02-09-12:00	158	1.0		5.0		10.0	
<b>None</b>							
HC/HR-12-01-09-08:10		1.0	nd	2.0		10.0	
HC/HR-12-02-09-08:15		1.0	nd	2.0		10.0	
HC/HR-12-03-09-08:15		1.0	nd	2.0		10.0	
HC/HR-12-04-09-08:05		1.0	nd	2.0		10.0	
HC/HR-12-07-09-08:10		1.0	nd	2.0		10.0	
HC/HR-12-08-09-08:10		1.0	nd	2.0		10.0	
HC/HR-12-09-09-08:20		1.0	nd	2.0		10.0	
HC/HR-12-10-09-08:10		1.0	nd	2.0		10.0	
HC/HR-12-11-09-08:20		1.0	nd	2.0		10.0	
HC/HR-12-14-09-08:20		1.0	nd	2.0		10.0	
HC/HR-12-15-09-08:30		1.0	nd	2.0		10.0	
HC/HR-12-16-09-08:15		1.0	nd	2.0		10.0	
HC/HR-12-17-09-08:30		1.0	nd	2.0		10.0	
HC/HR-12-18-09-07:50		1.0	nd	2.0		10.0	
HC/HR-12-21-09-08:10		1.0	nd	2.0		10.0	
HC/HR-12-22-09-08:00		1.0	nd	2.0		10.0	
HC/HR-12-23-09-08:00		1.0	nd	2.0		10.0	
HC/HR-12-24-09-08:00		1.0	nd	2.0		10.0	
HC/HR-12-28-09-10:00		1.0	nd	2.0		10.0	
HC/HR-12-29-09-09:45		1.0	nd	2.0		10.0	
HC/HR-12-30-09-09:55		1.0	nd	2.0		10.0	
HC/HR-12-31-09-09:45		1.0	nd	2.0		10.0	

nd=Not detected at or above the Reporting Limit (R.L.)

# 1,4-Dioxane Precision and Accuracy Control Charting

APZ 01/08/10

Analysis Date	Method Blank	CVS True Value	CVS Result	CVS % Recovery	LFB True Value	LFB Result	LFB % Recovery	Sample Result	MS/MSD True Value	MS Result	MSD Result	MS % Recovery	MSD % Recovery	MS/MSD Mean	MS/MSD RSD	MS/MSD RPD
12/1/2009	0	10.00	9.05	90.5%	10.00	9.62	96.2%	4.72	10.00	14.56	15.10	98.4%	103.8%	14.83	3.64%	
12/2/2009	0	10.00	10.04	100.4%	10.00	10.74	107.4%	5.24	10.00	14.54	15.44	93.0%	102.0%	14.99	6.00%	
12/3/2009	0	10.00	9.83	98.3%	10.00	9.65	96.5%	4.62	10.00	14.42	14.18	98.0%	95.6%	14.30	1.68%	
12/7/2009	0	10.00	9.75	97.5%	10.00	9.38	93.8%	4.97	10.00	14.26	13.69	92.9%	87.2%	13.98	4.08%	
	0	10.00			10.00	9.30	93.0%		10.00							
12/10/2009	0	10.00	9.40	94.0%	10.00	9.44	94.4%		10.00							
	0	10.00	10.14	101.4%	10.00	9.74	97.4%		10.00							
12/11/2009	0	10.00	9.41	94.1%	10.00	9.69	96.9%	5.98	10.00	16.20	15.97	102.2%	99.9%	16.09	1.43%	
	0	10.00			10.00	10.08	100.8%		10.00							
12/14/2009	0	10.00	9.27	92.7%	10.00	10.06	100.6%	10.91	10.00	21.15	20.14	102.4%	92.3%	20.65	4.89%	
12/15/2009	0	10.00	10.27	102.7%	10.00	8.60	86.0%	5.44	10.00	14.90	15.47	94.6%	100.3%	15.19	3.75%	
12/16/2009	0	10.00	9.94	99.4%	10.00	9.25	92.5%	5.65	10.00	15.44	16.28	97.9%	106.3%	15.86	5.30%	
12/17/2009	0	10.00	9.65	96.5%	10.00	8.14	81.4%	6.21	10.00	16.24	17.21	100.3%	110.0%	16.73	5.80%	
12/18/2009	0	10.00	9.31	93.1%	10.00	9.81	98.1%	5.77	10.00	16.17	16.73	104.0%	109.6%	16.45	3.40%	
12/21/2009	0	10.00	10.55	105.5%	10.00	10.24	102.4%	8.12	10.00	17.68	16.83	95.6%	87.1%	17.26	4.93%	
12/22/2009	0	10.00	10.52	105.2%	10.00	8.08	80.8%	0.00	10.00	9.70	10.29	97.0%	102.9%	10.00	5.90%	
12/23/2009	0	10.00	10.23	102.3%	10.00	10.10	101.0%	4.67	10.00	15.37	14.28	107.0%	96.1%	14.83	7.35%	
12/24/2009	0	10.00	9.59	95.9%	10.00	8.54	85.4%	6.29	10.00	16.59	17.25	103.0%	109.6%	16.92	3.90%	
12/29/2009	0	10.00	9.42	94.2%	10.00	10.39	103.9%	5.85	10.00	16.28	15.91	104.3%	100.6%	16.10	2.30%	

CVS Mean: **9.79**      2 Standard Dev.: **0.91**      Upper Warning Limit: **10.69**      Upper Control Limit: **11.15**  
 CVS Standard Dev: **0.45**      3 Standard Dev.: **1.36**      Lower Warning Limit: **8.88**      Lower Control Limit: **8.43**