

Sample Analysis Report

July, 2009

Analyst Initials

AR

Date

08/06/09

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
Extraction Wells							
AE-3-07-06-09-09:19	112	1.0		5.0		10.0	
HZ-S-07-07-09-09:40	951	1.0		5.0		10.0	
LB-1-07-06-09-09:15	530	1.0		5.0		10.0	
LB-3-07-06-09-09:17	552	1.0		5.0		10.0	
PW-1-07-07-09-11:05	933	1.0		5.0		10.0	
SW-COMB-07-07-09-10:00	537	1.0		5.0		10.0	
DOLPH-07-07-09-09:10	89	1.0		5.0		10.0	
TW-5-07-07-09-09:05	970	1.0		5.0		10.0	
TW-8-07-07-09-10:20	481	1.0		5.0		10.0	
TW-9-07-07-09-09:35	1084	1.0		5.0		10.0	
TW-10-07-07-09-09:20	942	1.0		5.0		10.0	
TW-13-07-07-09-09:50	636	1.0		5.0		10.0	
TW-14-07-07-09-09:30	99	1.0		5.0		10.0	
TW-17-07-07-09-09:25	127	1.0		5.0		10.0	
TW-18-07-07-09-10:03	371	1.0		5.0		10.0	
TW-19-07-06-09-09:00	909	1.0		5.0		10.0	
TW-19-07-13-09-08:30	832	1.0		5.0		10.0	
TW-19-07-20-09-09:50	887	1.0		5.0		10.0	
TW-19-07-27-09-08:55	917	1.0		5.0		10.0	
TW-20-07-07-09-09:15	2026	1.0		5.0		10.0	
RED POND							
Red Pond-07-07-09-07:39	600	1.0		5.0		10.0	
Red Pond-07-13-09-08:04	592	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
RED POND							
Red Pond-07-20-09-12:37	418	1.0		5.0		10.0	
Red Pond-07-27-09-07:30	631	1.0		5.0		10.0	
OUTFALL001							
OUTFALL-07-01-09-	4	1.0	nd	5.0		10.0	
OUTFALL-07-02-09-	4	1.0	5	5.0		10.0	
OUTFALL-07-05-09-	6	1.0	nd	5.0		10.0	
OUTFALL-07-06-09-	5	1.0	6	5.0		10.0	
OUTFALL-07-07-09-	4	1.0	5	5.0		10.0	
OUTFALL-07-08-09-	5	1.0	nd	5.0		10.0	
OUTFALL-07-09-09-	5	1.0	nd	5.0		10.0	
OUTFALL-07-12-09-	5	1.0	nd	5.0		10.0	
OUTFALL-07-13-09-	5	1.0	5	5.0		10.0	
OUTFALL-07-14-09-	6	1.0	nd	5.0		10.0	
OUTFALL-07-15-09-	5	1.0	6	5.0		10.0	
OUTFALL-07-16-09-	5	1.0	7	5.0		10.0	
OUTFALL-07-19-09-	3	1.0	nd	5.0		10.0	
OUTFALL-07-20-09-	4	1.0	5	5.0		10.0	
OUTFALL-07-21-09-	5	1.0	nd	5.0		10.0	
OUTFALL-07-22-09-	5	1.0	nd	5.0		10.0	
OUTFALL-07-23-09-	5	1.0	nd	5.0		10.0	
OUTFALL-07-26-09-	6	1.0	5	5.0		10.0	
OUTFALL-07-27-09-	6	1.0	nd	5.0		10.0	
OUTFALL-07-28-09-	6	1.0	nd	5.0		10.0	
OUTFALL-07-29-09-	5	1.0	nd	5.0		10.0	
OUTFALL-07-30-09-	5	1.0	nd	5.0		10.0	
Injection Wells							
Maple-Inj-07-02-09-08:30	6	1.0	6	5.0		10.0	
Maple-Inj-07-06-09-08:55	7	1.0	nd	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
Injection Wells							
Maple-Inj-07-09-09-08:35	7	1.0	nd	5.0		10.0	
Maple-Inj-07-13-09-08:25	3	1.0	9	5.0		10.0	
Maple-Inj-07-16-09-07:50	4	1.0	10	5.0		10.0	
Maple-Inj-07-20-09-09:45	10	1.0	nd	5.0		10.0	
Maple-Inj-07-23-09-08:00	6	1.0	nd	5.0		10.0	
Maple-Inj-07-27-09-08:50	6	1.0	6	5.0		10.0	
Maple-Inj-07-30-09-08:50	8	1.0	nd	5.0		10.0	
A-Series Wells							
MW-112s-07-16-09-09:25	nd	1.0		5.0		10.0	
MW-112i-07-16-09-10:40	4	1.0		5.0		10.0	
MW-112d-07-16-09-10:05	nd	1.0		5.0		10.0	
C3							
MW-20-07-29-09-14:20	nd	1.0		5.0		10.0	
MW-39s-07-29-09-13:05	39	1.0		5.0		10.0	
MW-105s-07-22-09-14:15	1688	1.0		5.0		10.0	
D0							
ARTESIAN #3-07-15-09-14:45	21	1.0		5.0		10.0	
MW-31-07-28-09-11:45	24	1.0		5.0		10.0	
MW-40s-07-28-09-14:00	nd	1.0		5.0		10.0	
MW-40d-07-28-09-14:35	nd	1.0		5.0		10.0	
MW-51-07-13-09-13:10	nd	1.0		5.0		10.0	
MW-53s-07-13-09-13:30	nd	1.0		5.0		10.0	
MW-53i-07-13-09-14:30	46	1.0		5.0		10.0	
MW-53d-07-13-09-14:00	2	1.0		5.0		10.0	
MW-59s-07-29-09-11:40	nd	1.0		5.0		10.0	
MW-60-07-28-09-12:15	9	1.0		5.0		10.0	
MW-61s-07-30-09-10:55	25	1.0		5.0		10.0	
MW-61d-07-30-09-10:35	nd	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
D0							
MW-93-07-30-09-12:10	7	1.0		5.0		10.0	
5005 Jackson Rd-07-17-09-14:40	40	1.0		5.0		10.0	
5115 Jackson Rd-07-17-09-14:15	nd	1.0		5.0		10.0	
4401 Park West-07-28-09-13:00	8	1.0		5.0		10.0	
4601 Park 4 inch-07-15-09-09:00	1	1.0		5.0		10.0	
4601 Park 6 inch-07-15-09-09:40	2	1.0		5.0		10.0	
4742 Park Rd-07-28-09-11:10	17	1.0		5.0		10.0	
A2 Cleaning Supply-07-09-09-12:30	96	1.0		5.0		10.0	
D2							
MW-13-07-30-09-13:00	nd	1.0		5.0		10.0	
MW-17-07-17-09-08:45	614	1.0		5.0		10.0	
MW-39d-07-29-09-13:25	258	1.0		5.0		10.0	
MW-47s-07-15-09-13:50	nd	1.0		5.0		10.0	
MW-47d-07-15-09-14:10	nd	1.0		5.0		10.0	
MW-54d-07-14-09-13:40	55	1.0		5.0		10.0	
MW-56s-07-08-09-14:35	110	1.0		5.0		10.0	
MW-77-07-17-09-12:55	925	1.0		5.0		10.0	
MW-92-07-13-09-11:35	20	1.0		5.0		10.0	
MW-94s-07-22-09-10:45	2317	1.0		5.0		10.0	
MW-113-07-14-09-14:45	34	1.0		5.0		10.0	
MW-118-07-21-09-14:35	242	1.0		5.0		10.0	
MW-120s-07-20-09-14:25	nd	1.0		5.0		10.0	
MW-121s-07-27-09-12:20	nd	1.0		5.0		10.0	
MW-121d-07-27-09-12:00	nd	1.0		5.0		10.0	
MW-122s-07-20-09-12:35	53	1.0		5.0		10.0	
MW-122d-07-20-09-12:00	nd	1.0		5.0		10.0	
MW-123s-07-21-09-12:20	nd	1.0		5.0		10.0	
MW-KD-1s-07-21-09-13:35	30	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
D2							
MW-KD-1d-07-21-09-14:00	152	1.0		5.0		10.0	
544 Allison-07-16-09-13:20	10	1.0		5.0		10.0	
545 Allison-07-16-09-12:55	11	1.0		5.0		10.0	
593 Allison-07-16-09-14:30	553	1.0		5.0		10.0	
170 Aprill-07-30-09-11:35	19	1.0		5.0		10.0	
430 Barber East-07-17-09-11:00	nd	1.0		5.0		10.0	
430 Barber West-07-17-09-11:45	74	1.0		5.0		10.0	
476 Barber-07-17-09-12:20	nd	1.0		5.0		10.0	
3225 Dexter Rd-07-14-09-12:10	nd	1.0		5.0		10.0	
3249 Dexter Rd-07-14-09-12:00	nd	1.0		5.0		10.0	
453 Dupont-07-17-09-12:35	2	1.0		5.0		10.0	
465 Dupont-07-31-09-11:30	1324	1.0		5.0		10.0	
305 Pinewood-07-15-09-14:30	nd	1.0		5.0		10.0	
354 Pinewood-07-31-09-11:45	2	1.0		5.0		10.0	
E							
MW-30d-07-15-09-13:15	1173	1.0		5.0		10.0	
MW-56d-07-08-09-14:10	nd	1.0		5.0		10.0	
MW-59d-07-29-09-12:20	nd	1.0		5.0		10.0	
MW-67-07-27-09-14:50	nd	1.0		5.0		10.0	
MW-68-07-24-09-14:50	nd	1.0		5.0		10.0	
MW-69-07-22-09-09:30	nd	1.0		5.0		10.0	
MW-70-07-21-09-10:25	nd	1.0		5.0		10.0	
MW-71-07-21-09-11:15	1356	1.0		5.0		10.0	
MW-72s-07-31-09-12:35	24	1.0		5.0		10.0	
MW-72d-07-31-09-13:20	3285	1.0		5.0		10.0	
MW-79s-07-01-09-13:40	407	1.0		5.0		10.0	
MW-79d-07-06-09-14:20	nd	1.0		5.0		10.0	
MW-82s-07-15-09-12:00	69	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
E							
MW-82d-07-15-09-11:45	nd	1.0		5.0		10.0	
MW-83s-07-08-09-11:40	543	1.0		5.0		10.0	
MW-83d-07-08-09-11:10	nd	1.0		5.0		10.0	
MW-84s-07-13-09-10:35	803	1.0		5.0		10.0	
MW-84d-07-13-09-09:55	nd	1.0		5.0		10.0	
MW-85-07-02-09-11:50	1846	1.0		5.0		10.0	
MW-87s-07-01-09-11:30	90	1.0		5.0		10.0	
MW-87s-07-02-09-09:55	94	1.0		5.0		10.0	
MW-87d-07-01-09-12:05	650	1.0	nd	5.0		10.0	
MW-88-07-02-09-11:00	380	1.0		5.0		10.0	
MW-89-07-24-09-11:15	nd	1.0		5.0		10.0	
MW-90-07-01-09-14:25	51	1.0		5.0		10.0	
MW-94d-07-22-09-10:30	nd	1.0		5.0		10.0	
MW-95-07-22-09-12:45	79	1.0		5.0		10.0	
MW-96-07-22-09-12:00	110	1.0		5.0		10.0	
MW-97s-07-14-09-09:40	nd	1.0		5.0		10.0	
MW-97d-07-14-09-10:25	nd	1.0		5.0		10.0	
MW-98d-07-10-09-11:00	8	1.0		5.0		10.0	
MW-99s-07-10-09-11:20	nd	1.0		5.0		10.0	
MW-99d-07-10-09-12:10	nd	1.0		5.0		10.0	
MW-100-07-02-09-13:50	291	1.0		5.0		10.0	
MW-101-07-07-09-12:10	415	1.0		5.0		10.0	
MW-103s-07-20-09-11:00	29	1.0		5.0		10.0	
MW-103d-07-20-09-10:45	18	1.0		5.0		10.0	
MW-104-07-14-09-11:15	nd	1.0		5.0		10.0	
MW-105d-07-22-09-13:55	531	1.0		5.0		10.0	
MW-106s-07-27-09-13:45	586	1.0		5.0		10.0	
MW-106d-07-27-09-13:15	nd	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
E							
MW-107-07-16-09-12:25	36	1.0		5.0		10.0	
MW-108s-07-24-09-09:50	2070	1.0		5.0		10.0	
MW-108d-07-24-09-10:30	2804	1.0		5.0		10.0	
MW-110-07-14-09-11:45	30	1.0		5.0		10.0	
MW-111-07-10-09-09:50	nd	1.0		5.0		10.0	
MW-115-07-01-09-11:05	821	1.0		5.0		10.0	
MW-116-07-01-09-10:25	542	1.0		5.0		10.0	
MW-117-07-14-09-14:05	3	1.0		5.0		10.0	
MW-119-07-09-09-10:30	243	1.0		5.0		10.0	
MW-120d-07-20-09-14:00	nd	1.0		5.0		10.0	
MW-123d-07-21-09-13:05	nd	1.0		5.0		10.0	
TW-15-07-07-09-14:30	158	1.0		5.0		10.0	
Not Determined							
441 Parkwood-07-30-09-14:25	13	1.0		5.0		10.0	
2575 Valley-07-16-09-11:55	99	1.0		5.0		10.0	
None							
HC/HR-07-01-09-08:15		1.0	nd	2.0		10.0	
HC/HR-07-02-09-07:55		1.0	nd	2.0		10.0	
HC/HR-07-06-09-08:15		1.0	nd	2.0		10.0	
HC/HR-07-07-09-07:25		1.0	nd	2.0		10.0	
HC/HR-07-08-09-08:30		1.0	nd	2.0		10.0	
HC/HR-07-09-09-07:55		1.0	nd	2.0		10.0	
HC/HR-07-10-09-07:55		1.0	nd	2.0		10.0	
HC/HR-07-13-09-07:55		1.0	nd	2.0		10.0	
HC/HR-07-14-09-07:45		1.0	nd	2.0		10.0	
HC/HR-07-15-09-07:50		1.0	nd	2.0		10.0	
HC/HR-07-16-09-07:50		1.0	nd	2.0		10.0	
HC/HR-07-17-09-07:50		1.0	nd	2.0		10.0	

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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
None							
HC/HR-07-20-09-08:20		1.0	nd	2.0		10.0	
HC/HR-07-21-09-08:15		1.0	nd	2.0		10.0	
HC/HR-07-22-09-07:40		1.0	nd	2.0		10.0	
HC/HR-07-23-09-08:10		1.0	nd	2.0		10.0	
HC/HR-07-24-09-07:50		1.0	nd	2.0		10.0	
HC/HR-07-27-09-08:10		1.0	nd	2.0		10.0	
HC/HR-07-28-09-08:30		1.0	nd	2.0		10.0	
HC/HR-07-29-09-07:55		1.0	nd	2.0		10.0	
HC/HR-07-30-09-08:15		1.0	nd	2.0		10.0	
HC/HR-07-31-09-08:00		1.0	2	2.0		10.0	

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

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1,4-Dioxane Precision and Accuracy Control Charting

<i>Analysis Date</i>	<i>Method Blank</i>	<i>CVS True Value</i>	<i>CVS Result</i>	<i>CVS % Recovery</i>	<i>LFB True Value:</i>	<i>LFB Result:</i>	<i>LFB % Recovery:</i>	<i>Sample Result:</i>	<i>MS/MSD True Value:</i>	<i>MS Result:</i>	<i>MSD Result:</i>	<i>MS % Recovery:</i>	<i>MSD % Recovery:</i>	<i>MS/MSD Mean:</i>	<i>MS/MSD RSD:</i>	<i>MS/MSD RPD:</i>
7/1/2009	0	10.00	9.94	99.4%	10.00	9.38	93.8%	3.95	10.00	13.67	13.86	97.2%	99.1%	13.77	1.38%	
	0	10.00	10.62	106.2%	10.00	10.13	101.3%		10.00							
7/2/2009	0	10.00	9.60	96.0%	10.00	9.79	97.9%	5.53	10.00	15.73	15.24	102.0%	97.1%	15.49	3.16%	
7/6/2009	0	10.00	9.53	95.3%	10.00	9.59	95.9%	0.00	10.00	9.67	9.74	96.7%	97.4%	9.71	0.72%	
7/7/2009	0	10.00	9.50	95.0%	10.00	9.91	99.1%	0.00	10.00	9.67	9.29	96.7%	92.9%	9.48	4.01%	
7/8/2009	0	10.00	9.35	93.5%	10.00	9.51	95.1%	0.00	10.00	9.28	9.45	92.8%	94.5%	9.37	1.82%	
7/9/2009	0	10.00	9.40	94.0%	10.00	9.84	98.4%	0.00	10.00	9.46	9.28	94.6%	92.8%	9.37	1.92%	
7/10/2009	0	10.00	9.63	96.3%	10.00	10.00	100.0%	0.00	10.00	9.55	9.69	95.5%	96.9%	9.62	1.46%	
7/13/2009	0	10.00	9.46	94.6%	10.00	9.84	98.4%	3.37	10.00	14.06	13.80	106.9%	104.3%	13.93	1.87%	
	0	10.00	10.46	104.6%	10.00	10.70	107.0%		10.00							
7/14/2009	0	10.00	10.76	107.6%	10.00	10.22	102.2%	4.73	10.00	16.13	15.29	114.0%	105.6%	15.71	5.35%	
	0	10.00	9.68	96.8%	10.00	10.07	100.7%		10.00							
7/15/2009	0	10.00	10.32	103.2%	10.00	10.22	102.2%	5.65	10.00	16.12	15.80	104.7%	101.5%	15.96	2.01%	
	0	10.00	10.24	102.4%	10.00	10.30	103.0%		10.00							
7/16/2009	0	10.00	10.08	100.8%	10.00	10.15	101.5%	3.91	10.00	14.02	13.90	101.1%	99.9%	13.96	0.86%	
	0	10.00	10.08	100.8%	10.00	10.89	108.9%		10.00							
7/17/2009	0	10.00	9.99	99.9%	10.00	10.52	105.2%	4.63	10.00	13.97	14.93	93.4%	103.0%	14.45	6.64%	
7/20/2009	0	10.00	9.85	98.5%	10.00	10.62	106.2%	10.36	10.00	20.30	20.52	99.4%	101.6%	20.41	1.08%	
7/21/2009	0	10.00	10.38	103.8%	10.00	10.54	105.4%	3.50	10.00	12.97	14.22	94.7%	107.2%	13.60	9.19%	
7/22/2009	0	10.00	10.19	101.9%	10.00	9.64	96.4%	4.74	10.00	15.74	15.34	110.0%	106.0%	15.54	2.57%	
7/23/2009	0	10.00	10.32	103.2%	10.00	10.53	105.3%	6.30	10.00	16.79	16.30	104.9%	100.0%	16.55	2.96%	
7/24/2009	0	10.00	9.84	98.4%	10.00	10.43	104.3%	4.78	10.00	13.71	15.58	89.3%	108.0%	14.65	12.77%	
7/27/2009	0	10.00	10.72	107.2%	10.00	11.36	113.6%	6.58	10.00	16.97	17.28	103.9%	107.0%	17.13	1.81%	
7/28/2009	0	10.00	10.25	102.5%	10.00	10.63	106.3%	0.00	10.00	10.77	10.80	107.7%	108.0%	10.79	0.28%	
7/29/2009	0	10.00	10.20	102.0%	10.00	10.66	106.6%	5.56	10.00	15.87	16.52	103.1%	109.6%	16.20	4.01%	

CVS Mean: **10.04** 2 Standard Dev.: **0.82** Upper Warning Limit: **10.86** Upper Control Limit: **11.27**
 CVS Standard Dev: **0.41** 3 Standard Dev.: **1.23** Lower Warning Limit: **9.21** Lower Control Limit: **8.80**

<i>Analysis Date</i>	<i>Method Blank</i>	<i>CVS True Value</i>	<i>CVS Result</i>	<i>CVS % Recovery</i>	<i>LFB True Value:</i>	<i>LFB Result:</i>	<i>LFB % Recovery:</i>	<i>Sample Result:</i>	<i>MS/MSD True Value:</i>	<i>MS Result:</i>	<i>MSD Result:</i>	<i>MS % Recovery:</i>	<i>MSD % Recovery:</i>	<i>MS/MSD Mean:</i>	<i>MS/MSD RSD:</i>	<i>MS/MSD RPD:</i>
7/30/2009	0	10.00	10.35	103.5%	10.00	10.33	103.3%	8.39	10.00	18.58	19.12	101.9%	107.3%	18.85	2.86%	
7/31/2009	0	10.00	10.26	102.6%	10.00	11.06	110.6%	4.95	10.00	16.22	15.97	112.7%	110.2%	16.10	1.55%	

CVS Mean: **10.04** 2 Standard Dev.: **0.82** Upper Warning Limit: **10.86** Upper Control Limit: **11.27**
CVS Standard Dev: **0.41** 3 Standard Dev.: **1.23** Lower Warning Limit: **9.21** Lower Control Limit: **8.80**