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Sample Analysis Report

May, 2010

Analyst Initials JK
Date 5/20/10

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
Extraction Wells							
AE-3-05-03-10-10:12	120	1.0		5.0		10.0	
HZ-S-05-03-10-11:51	958	1.0		5.0		10.0	
LB-1-05-03-10-10:10	501	1.0		5.0		10.0	
LB-3-05-03-10-10:11	472	1.0		5.0		10.0	
PW-1-05-03-10-11:15	874	1.0		5.0		10.0	
SW-COMB-05-03-10-11:17	532	1.0		5.0		10.0	
DOLPH-05-03-10-10:50	78	1.0		5.0		10.0	
TW-5-05-03-10-11:00	759	1.0		5.0		10.0	
TW-6-05-12-10-11:45	66	1.0		5.0		10.0	
TW-8-05-03-10-12:10	478	1.0		5.0		10.0	
TW-9-05-03-10-11:46	982	1.0		5.0		10.0	
TW-10-05-03-10-11:27	686	1.0		5.0		10.0	
TW-13-05-03-10-11:10	627	1.0		5.0		10.0	
TW-14-05-03-10-11:43	105	1.0		5.0		10.0	
TW-17-05-03-10-11:40	96	1.0		5.0		10.0	
TW-18-05-03-10-11:18	302	1.0		5.0		10.0	
TW-19-05-03-10-08:45	763	1.0		5.0		10.0	
TW-19-05-10-10-08:45	786	1.0		5.0		10.0	
TW-19-05-17-10-09:15	778	1.0		5.0		10.0	
TW-19-05-24-10-08:38	751	1.0		5.0		10.0	
TW-20-05-03-10-11:34	1578	1.0		5.0		10.0	
RED POND							
Red Pond-05-03-10-08:30	468	1.0		5.0		10.0	

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RED POND							
Red Pond-05-10-10-08:45	549	1.0		5.0		10.0	
Red Pond-05-17-10-07:55	506	1.0		5.0		10.0	
Red Pond-05-24-10-08:00	570	1.0		5.0		10.0	
OUTFALL001							
OUTFALL-05-02-10-	5	1.0	nd	5.0		10.0	
OUTFALL-05-03-10-	5	1.0	6	5.0		10.0	
OUTFALL-05-04-10-	5	1.0	nd	5.0		10.0	
OUTFALL-05-05-10-	6	1.0	nd	5.0		10.0	
OUTFALL-05-06-10-	5	1.0	nd	5.0		10.0	
OUTFALL-05-09-10-	5	1.0	nd	5.0		10.0	
OUTFALL-05-10-10-	4	1.0	6	5.0		10.0	
OUTFALL-05-11-10-	4	1.0	nd	5.0		10.0	
OUTFALL-05-12-10-	5	1.0	6	5.0		10.0	
OUTFALL-05-13-10-	5	1.0	nd	5.0		10.0	
OUTFALL-05-16-10-	5	1.0	nd	5.0		10.0	
OUTFALL-05-17-10-	4	1.0	5	5.0		10.0	
OUTFALL-05-18-10-	4	1.0	nd	5.0		10.0	
OUTFALL-05-19-10-	5	1.0	5	5.0		10.0	
OUTFALL-05-20-10-	5	1.0	nd	5.0		10.0	
OUTFALL-05-23-10-	5	1.0	nd	5.0		10.0	
OUTFALL-05-24-10-	5	1.0	nd	5.0		10.0	
OUTFALL-05-25-10-	6	1.0	nd	5.0		10.0	
OUTFALL-05-26-10-	5	1.0	5	5.0		10.0	
OUTFALL-05-27-10-	5	1.0	nd	5.0		10.0	
OUTFALL-05-30-10-	6	1.0	6	5.0		10.0	
OUTFALL-05-31-10-	5	1.0	5	5.0		10.0	
Injection Wells							
Maple-Inj-05-03-10-08:45	6	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-05-06-10-07:53	5	1.0	5	5.0		10.0	
Maple-Inj-05-10-10-08:45	5	1.0	6	5.0		10.0	
Maple-Inj-05-13-10-08:45	4	1.0	7	5.0		10.0	
Maple-Inj-05-17-10-09:00	7	1.0	nd	5.0		10.0	
Maple-Inj-05-20-10-07:45	7	1.0	nd	5.0		10.0	
Maple-Inj-05-24-10-08:25	5	1.0	6	5.0		10.0	
Maple-Inj-05-27-10-07:50	6	1.0	nd	5.0		10.0	
C2							
MW-25s-05-27-10-13:25	915	1.0		5.0		10.0	
C3							
MW-1-05-21-10-13:00	593	1.0		5.0		10.0	
MW-5d-05-28-10-10:50	15230	1.0		5.0		10.0	
MW-11i-05-27-10-13:40	nd	1.0		5.0		10.0	
MW-18d-05-21-10-14:00	193	1.0		5.0		10.0	
MW-22-05-28-10-09:30	1706	1.0		5.0		10.0	
MW-37-05-27-10-10:25	270	1.0		5.0		10.0	
MW-75-05-21-10-13:30	49	1.0		5.0		10.0	
MW-105s-05-13-10-14:20	1175	1.0		5.0		10.0	
TW-1-05-12-10-09:55	122	1.0		5.0		10.0	
TW-3-05-12-10-11:00	44	1.0		5.0		10.0	
D0							
MW-41s-05-07-10-14:15	19	1.0		5.0		10.0	
MW-41d-05-07-10-14:10	34	1.0		5.0		10.0	
A2 Cleaning Supply-05-06-10-12:00	87	1.0		5.0		10.0	
D2							
MW-4d-05-28-10-11:40	1353	1.0		5.0		10.0	
MW-11d-05-27-10-14:05	180	1.0		5.0		10.0	
MW-38d-05-27-10-11:05	92	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-54s-05-24-10-10:30	nd	1.0		5.0		10.0	
MW-54d-05-24-10-11:10	26	1.0		5.0		10.0	
MW-77-05-24-10-13:00	1191	1.0		5.0		10.0	
MW-120s-05-17-10-11:40	nd	1.0		5.0		10.0	
MW-121s-05-10-10-13:30	nd	1.0		5.0		10.0	
MW-121d-05-10-10-14:15	nd	1.0		5.0		10.0	
MW-122s-05-13-10-11:15	45	1.0		5.0		10.0	
MW-122d-05-13-10-10:35	nd	1.0		5.0		10.0	
MW-123s-05-13-10-11:50	nd	1.0		5.0		10.0	
MW-BE-1s-05-25-10-10:50	101	1.0		5.0		10.0	
MW-BE-1d-05-25-10-10:30	3	1.0		5.0		10.0	
MW-KD-1s-05-10-10-12:35	32	1.0		5.0		10.0	
MW-KD-1d-05-10-10-13:00	146	1.0		5.0		10.0	
MW-KZ-1-05-25-10-12:15	nd	1.0		5.0		10.0	
545 Allison-05-25-10-13:05	13	1.0		5.0		10.0	
430 Barber West-05-24-10-12:10	64	1.0		5.0		10.0	
435 Barber-05-25-10-14:15	20	1.0		5.0		10.0	
MW-400 Clarendon-05-25-10-11:25	nd	1.0		5.0		10.0	
2819 Dexter Rd-05-07-10-10:05	686	1.0		5.0		10.0	
3225 Dexter Rd-05-24-10-10:50	nd	1.0		5.0		10.0	
3249 Dexter Rd-05-25-10-14:30	nd	1.0		5.0		10.0	
453 Dupont-05-24-10-11:45	3	1.0		5.0		10.0	
465 Dupont-05-28-10-13:50	1394	1.0		5.0		10.0	
175 Jackson Plaza-05-07-10-12:05	562	1.0		5.0		10.0	
305 Pinewood-05-10-10-11:30	1	1.0		5.0		10.0	
373 Pinewood Shallow-05-28-10-14:25	800	1.0		5.0		10.0	
E							
IW-2-05-21-10-11:10	303	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-64-05-03-10-14:30	56	1.0		5.0		10.0	
MW-65d-05-20-10-11:45	33	1.0		5.0		10.0	
MW-76s-05-20-10-12:40	177	1.0		5.0		10.0	
MW-76i-05-20-10-13:30	28	1.0		5.0		10.0	
MW-76d-05-20-10-14:25	3	1.0		5.0		10.0	
MW-79s-05-05-10-10:35	248	1.0		5.0		10.0	
MW-85-05-06-10-11:25	1757	1.0		5.0		10.0	
MW-87s-05-06-10-09:55	343	1.0		5.0		10.0	
MW-87d-05-06-10-10:35	611	1.0		5.0		10.0	
MW-88-05-05-10-11:35	469	1.0		5.0		10.0	
MW-100-05-06-10-14:15	502	1.0		5.0		10.0	
MW-103s-05-17-10-13:00	41	1.0		5.0		10.0	
MW-103d-05-17-10-12:45	16	1.0		5.0		10.0	
MW-105d-05-13-10-14:05	652	1.0		5.0		10.0	
MW-106s-05-17-10-14:35	536	1.0		5.0		10.0	
MW-106d-05-17-10-14:10	nd	1.0		5.0		10.0	
MW-107-05-10-10-12:00	42	1.0		5.0		10.0	
MW-115-05-05-10-09:30	614	1.0		5.0		10.0	
MW-120d-05-17-10-11:15	nd	1.0		5.0		10.0	
MW-123d-05-13-10-13:00	nd	1.0		5.0		10.0	
TW-11-05-03-10-10:58	243	1.0		5.0		10.0	
TW-12-05-12-10-09:30	20	1.0		5.0		10.0	
TW-15-05-11-10-12:05	159	1.0		5.0		10.0	
SW							
MW-10d-05-20-10-10:20	1073	1.0		5.0		10.0	
MW-48-05-28-10-10:15	147	1.0		5.0		10.0	
MW-50-05-27-10-12:20	986	1.0		5.0		10.0	Pipe was cut. Static taken at new pipe level.
MW-78-05-27-10-09:35	37	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
SW							
TW-4-05-11-10-14:20	36	1.0		5.0		10.0	
None							
HC/HR-05-03-10-08:10		1.0	nd	2.0		10.0	
HC/HR-05-04-10-08:10		1.0	nd	2.0		10.0	
HC/HR-05-05-10-07:40		1.0	nd	2.0		10.0	
HC/HR-05-06-10-07:25		1.0	nd	2.0		10.0	
HC/HR-05-06-10-07:53		1.0	See comments	2.0		10.0	Entry error. Sample name entered incorrectly. No sample.
HC/HR-05-07-10-07:55		1.0	nd	2.0		10.0	
HC/HR-05-10-10-08:20		1.0	nd	2.0		10.0	
HC/HR-05-11-10-07:45		1.0	nd	2.0		10.0	
HC/HR-05-12-10-07:55		1.0	nd	2.0		10.0	
HC/HR-05-13-10-07:55		1.0	nd	2.0		10.0	
HC/HR-05-14-10-08:30		1.0	nd	2.0		10.0	
HC/HR-05-17-10-08:15		1.0	nd	2.0		10.0	
HC/HR-05-18-10-08:15		1.0	nd	2.0		10.0	
HC/HR-05-19-10-08:45		1.0	nd	2.0		10.0	
HC/HR-05-20-10-07:50		1.0	nd	2.0		10.0	
HC/HR-05-21-10-07:40		1.0	nd	2.0		10.0	
HC/HR-05-24-10-08:10		1.0	nd	2.0		10.0	
HC/HR-05-25-10-07:55		1.0	nd	2.0		10.0	
HC/HR-05-26-10-07:40		1.0	nd	2.0		10.0	
HC/HR-05-27-10-08:00		1.0	nd	2.0		10.0	
HC/HR-05-28-10-08:20		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

Analysis Date	Method Blank	CVS		LFB		Sample		MS		MSD		MS/MSD		MS/MSD		MS/MSD				
		True Value	Result	Recovery %	True Value	Result	Recovery %	Result	True Value	Result	Recovery %	True Value	Result	Recovery %	True Value	Result	Recovery %	True Value	Result	Recovery %
5/3/2010	0	10.00	9.56	95.6%	10.00	10.00	100.0%	5.96	10.00	16.48	15.40	105.2%	94.4%	15.94	15.94	6.78%				
5/4/2010	0	10.00	9.74	97.4%	10.00	9.54	95.4%	5.45	10.00	15.00	15.89	95.5%	104.4%	15.45	15.45	5.76%				
5/5/2010	0	10.00	9.81	98.1%	10.00	9.62	96.2%	5.38	10.00	16.17	16.32	107.9%	109.4%	16.25	16.25	0.92%				
5/7/2010	0	10.00	9.80	98.0%	10.00	10.06	100.6%	5.24	10.00	15.65	16.34	104.1%	111.0%	16.00	16.00	4.31%				
5/10/2010	0	10.00	9.81	98.1%	10.00	10.33	103.3%	4.91	10.00	16.27	15.57	113.6%	106.6%	15.92	15.92	4.40%				
5/11/2010	0	10.00	10.16	101.6%	10.00	10.37	103.7%	4.53	10.00	14.52	13.58	99.9%	90.5%	14.05	14.05	6.69%				
5/12/2010	0	10.00	9.00	90.0%	10.00	9.77	97.7%	4.30	10.00	18.59	17.27	142.9%	129.7%	17.93	17.93	7.36%				
5/13/2010	0	10.00	10.15	101.5%	10.00	9.32	93.2%	4.44	10.00	14.46	14.72	100.2%	102.8%	14.59	14.59	1.78%				
5/14/2010	0	10.00	9.70	97.0%	10.00	9.61	96.1%	0.00	10.00	9.79	9.95	97.9%	99.5%	9.87	9.87	1.62%				
5/17/2010	0	10.00	8.94	89.4%	10.00	9.33	93.3%	0.00	10.00	9.10	9.89	91.0%	98.9%	9.50	9.50	8.32%				
5/18/2010	0	10.00	9.14	91.4%	10.00	9.35	93.5%	0.00	10.00	8.97	9.42	89.7%	94.2%	9.20	9.20	4.89%				
5/19/2010	0	10.00	9.30	93.0%	10.00	9.43	94.3%	0.00	10.00	9.37	8.84	93.7%	88.4%	9.11	9.11	5.82%				
5/20/2010	0	10.00	9.12	91.2%	10.00	9.38	93.8%	0.00	10.00	9.63	9.18	96.3%	91.8%	9.41	9.41	4.78%				
5/21/2010	0	10.00	8.55	85.5%	10.00	9.20	92.0%	0.00	10.00	10.16	9.95	101.6%	99.5%	10.06	10.06	2.09%				
5/24/2010	0	10.00	9.44	94.4%	10.00	9.38	93.8%	0.00	10.00	9.19	9.39	91.9%	93.9%	9.29	9.29	2.15%				
5/25/2010	0	10.00	9.45	94.5%	10.00	9.09	90.9%	0.00	10.00	9.35	9.61	93.5%	96.1%	9.48	9.48	2.74%				
5/27/2010	0	10.00	8.49	84.9%	10.00	9.14	91.4%	0.00	10.00	9.62	9.15	96.2%	91.5%	9.39	9.39	5.01%				
5/28/2010	0	10.00	9.72	97.2%	10.00	10.71	107.1%	5.30	10.00	14.76	15.15	94.6%	98.5%	14.96	14.96	2.61%				
	0	10.00	9.37	93.7%	10.00	10.88	108.8%		10.00											

CVS Mean: **9.48** 2 Standard Dev.: **1.00** Upper Warning Limit: **10.48** Upper Control Limit: **10.99**
 CVS Standard Dev.: **0.50** 3 Standard Dev.: **1.51** Lower Warning Limit: **8.47** Lower Control Limit: **7.97**

