

Sample Analysis Report

August, 2009

Analyst Initials *RZ*

Date *08/20/09*

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-3-08-03-09-10:49	116	1.0		5.0		10.0	
HZ-S-08-03-09-11:47	1032	1.0		5.0		10.0	
LB-1-08-03-09-10:45	532	1.0		5.0		10.0	
LB-3-08-03-09-10:45	See comment	1.0		5.0		10.0	Entry error. Should be LB-1.
LB-3-08-03-09-10:47	527	1.0		5.0		10.0	
PW-1-08-03-09-14:16	893	1.0		5.0		10.0	
SW-COMB-08-03-09-14:18	524	1.0		5.0		10.0	
DOLPH-08-03-09-14:22	97	1.0		5.0		10.0	
TW-5-08-03-09-11:06	1008	1.0		5.0		10.0	
TW-8-08-03-09-13:30	504	1.0		5.0		10.0	
TW-9-08-03-09-11:32	1215	1.0		5.0		10.0	
TW-10-08-03-09-11:27	899	1.0		5.0		10.0	
TW-13-08-03-09-12:03	672	1.0		5.0		10.0	
TW-14-08-03-09-11:52	124	1.0		5.0		10.0	
TW-17-08-03-09-11:56	119	1.0		5.0		10.0	
TW-18-08-03-09-14:20	374	1.0		5.0		10.0	
TW-19-08-03-09-08:50	909	1.0		5.0		10.0	
TW-19-08-10-09-08:35	909	1.0		5.0		10.0	
TW-19-08-17-09-09:55	914	1.0		5.0		10.0	
TW-19-08-24-09-08:50	828	1.0		5.0		10.0	
TW-19-08-31-09-08:46	902	1.0	nd	5.0		10.0	
TW-20-08-03-09-11:20	2158	1.0		5.0		10.0	
RED POND							

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RED POND							
Red Pond-08-03-09-14:13	633	1.0		5.0		10.0	
Red Pond-08-10-09-07:56	631	1.0		5.0		10.0	
Red Pond-08-17-09-08:00	634	1.0		5.0		10.0	
Red Pond-08-27-09-09:05	629	1.0		5.0		10.0	
Red Pond-08-31-09-08:00	702	1.0		5.0		10.0	
OUTFALL001							
OUTFALL-08-02-09-	5	1.0	6	5.0		10.0	
OUTFALL-08-03-09-	5	1.0	6	5.0		10.0	
OUTFALL-08-04-09-	5	1.0	6	5.0		10.0	
OUTFALL-08-05-09-	5	1.0	6	5.0		10.0	
OUTFALL-08-06-09-	4	1.0	6	5.0		10.0	
OUTFALL-08-09-09-	6	1.0	nd	5.0		10.0	
OUTFALL-08-10-09-	6	1.0	6	5.0		10.0	
OUTFALL-08-11-09-	5	1.0	6	5.0		10.0	
OUTFALL-08-12-09-	6	1.0	6	5.0		10.0	
OUTFALL-08-13-09-	6	1.0	6	5.0		10.0	
OUTFALL-08-16-09-	6	1.0	6	5.0		10.0	
OUTFALL-08-17-09-	6	1.0	5	5.0		10.0	
OUTFALL-08-18-09-	6	1.0	6	5.0		10.0	
OUTFALL-08-19-09-	6	1.0	6	5.0		10.0	
OUTFALL-08-20-09-	6	1.0	6	5.0		10.0	
OUTFALL-08-23-09-	5	1.0	5	5.0		10.0	
OUTFALL-08-24-09-	5	1.0	nd	5.0		10.0	
OUTFALL-08-25-09-	6	1.0	5	5.0		10.0	
OUTFALL-08-26-09-	5	1.0	6	5.0		10.0	
OUTFALL-08-27-09-	6	1.0	6	5.0		10.0	
OUTFALL-08-30-09-	6	1.0	6	5.0		10.0	
OUTFALL-08-31-09-	6	1.0	7	5.0		10.0	

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Injection Wells							
Maple-Inj-08-03-09-08:45	7	1.0	6	5.0		10.0	
Maple-Inj-08-06-09-08:35	6	1.0	7	5.0		10.0	
Maple-Inj-08-10-09-08:30	9	1.0	nd	5.0		10.0	
Maple-Inj-08-13-09-07:45	6	1.0	7	5.0		10.0	
Maple-Inj-08-17-09-09:50	11	1.0	nd	5.0		10.0	
Maple-Inj-08-20-09-07:45	9	1.0	nd	5.0		10.0	
Maple-Inj-08-24-09-08:45	5	1.0	8	5.0		10.0	
Maple-Inj-08-27-09-07:45	5	1.0	7	5.0		10.0	
Maple-Inj-08-31-09-08:41	5	1.0	7	5.0		10.0	
C2							
MW-25s-08-17-09-13:40	912	1.0		5.0		10.0	
MW-26-08-17-09-12:25	4	1.0		5.0		10.0	
C3							
MW-2d-08-14-09-07:10	41	1.0		5.0		10.0	
MW-3d-08-14-09-10:15	nd	1.0		5.0		10.0	
MW-4s-08-14-09-08:45	2	1.0		5.0		10.0	
MW-5d-08-17-09-14:35	50654	1.0		5.0		10.0	
MW-11s-08-10-09-12:20	nd	1.0		5.0		10.0	
MW-12d-08-12-09-09:30	nd	1.0		5.0		10.0	
MW-15s-08-17-09-09:30	nd	1.0		5.0		10.0	
MW-15d-08-17-09-09:55	nd	1.0		5.0		10.0	
MW-16-08-14-09-12:05	nd	1.0		5.0		10.0	
MW-23-08-20-09-09:55	194	1.0		5.0		10.0	
MW-24-08-20-09-14:15	968	1.0		5.0		10.0	
MW-25d-08-17-09-13:20	292	1.0		5.0		10.0	
MW-27-08-12-09-13:10	5	1.0		5.0		10.0	
MW-28-08-13-09-14:45	nd	1.0		5.0		10.0	
MW-32-08-10-09-12:40	25	1.0		5.0		10.0	

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C3							
MW-34s-08-11-09-14:25	nd	1.0		5.0		10.0	
MW-35-08-10-09-11:50	12	1.0		5.0		10.0	
MW-36-08-10-09-14:30	nd	1.0		5.0		10.0	
MW-38s-08-10-09-13:25	nd	1.0		5.0		10.0	
333 Jackson Plaza-08-12-09-07:25	25	1.0		5.0		10.0	
Saginaw Forest Cabin #4-08-19-09-08:35	nd	1.0		5.0		10.0	
D0							
MW-42s-08-13-09-09:50	nd	1.0		5.0		10.0	
MW-42d-08-13-09-09:30	nd	1.0		5.0		10.0	
4141 Jackson Rd-08-11-09-07:55	7	1.0		5.0		10.0	
110 Parkland Plaza-08-10-09-10:05	4	1.0		5.0		10.0	
A2 Cleaning Supply-08-06-09-10:10	105	1.0		5.0		10.0	
D2							
MW-9d-08-14-09-09:15	nd	1.0		5.0		10.0	
MW-14d-08-12-09-07:55	nd	1.0		5.0		10.0	
MW-34d-08-11-09-14:05	nd	1.0		5.0		10.0	
MW-38d-08-10-09-14:00	89	1.0		5.0		10.0	
MW-43-08-14-09-11:20	nd	1.0		5.0		10.0	
MW-44-08-13-09-14:25	nd	1.0		5.0		10.0	
3245 Kingwood-08-11-09-12:40	4	1.0		5.0		10.0	
E							
MW-65s-08-12-09-11:35	25	1.0		5.0		10.0	
MW-65i-08-12-09-10:50	2	1.0		5.0		10.0	
MW-66-08-10-09-11:20	2	1.0		5.0		10.0	
MW-79s-08-18-09-09:10	402	1.0		5.0		10.0	
MW-81-08-11-09-10:30	549	1.0		5.0		10.0	
MW-85-08-18-09-12:10	1940	1.0		5.0		10.0	
MW-86-08-11-09-11:05	1	1.0		5.0		10.0	

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E							
MW-87s-08-18-09-10:30	179	1.0		5.0		10.0	
MW-87d-08-18-09-11:00	735	1.0		5.0		10.0	
MW-88-08-18-09-10:00	487	1.0		5.0		10.0	
MW-100-08-18-09-14:25	342	1.0		5.0		10.0	
MW-115-08-11-09-11:45	822	1.0		5.0		10.0	
TW-15-08-19-09-14:50	163	1.0		5.0		10.0	
Saginaw Forest Cabin #1-08-19-09-09:45	32	1.0		5.0		10.0	
Saginaw Forest Cabin #2-08-19-09-11:05	2	1.0		5.0		10.0	
Marshy							
AMW-1-08-20-09-14:40	326	1.0		5.0		10.0	
AMW-2-08-20-09-09:40	32	1.0		5.0		10.0	
MOW-1-08-20-09-09:15	545	1.0		5.0		10.0	
NMW-1s-08-20-09-13:05	1646	1.0		5.0		10.0	
NMW-1d-08-20-09-12:53	698	1.0		5.0		10.0	
NMW-2s-08-20-09-12:15	2586	1.0		5.0		10.0	
NMW-2d-08-20-09-11:57	784	1.0		5.0		10.0	
NMW-3s-08-20-09-13:50	365	1.0		5.0		10.0	
NMW-3d-08-20-09-13:38	1206	1.0		5.0		10.0	
PMW-1-08-20-09-10:55	192	1.0		5.0		10.0	
PMW-2-08-20-09-11:20	4906	1.0		5.0		10.0	
PMW-3-08-20-09-08:45	8182	1.0		5.0		10.0	
PMW-4-08-20-09-10:25	809	1.0		5.0		10.0	
SW-1M-08-14-09-09:25	nd	1.0		5.0		10.0	
SW-2M-08-14-09-09:35	nd	1.0		5.0		10.0	
SW-3M-08-14-09-09:45	nd	1.0		5.0		10.0	
SH							
MW-5s-08-17-09-		1.0		5.0		10.0	Not enough water to collect sample.
SW							

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							
MW-8d-08-17-09-11:00	nd	1.0		5.0		10.0	
MW-10s-08-12-09-14:40	44	1.0		5.0		10.0	
MW-46-08-12-09-13:30	104	1.0		5.0		10.0	
MW-49-08-12-09-12:45	nd	1.0		5.0		10.0	
MW-52i-08-12-09-14:20	nd	1.0		5.0		10.0	
MW-52d-08-12-09-14:00	nd	1.0		5.0		10.0	
MW-57-08-17-09-11:35	nd	1.0		5.0		10.0	
MW-58d-08-14-09-12:45	12	1.0		5.0		10.0	

Not Determined

697 South Wagner Rd-08-17-09-10:15	nd	1.0		5.0		10.0	
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None

HC/HR-08-03-09-08:00		1.0	nd	2.0		10.0	
HC/HR-08-04-09-08:00		1.0	nd	2.0		10.0	
HC/HR-08-05-09-07:30		1.0	nd	2.0		10.0	
HC/HR-08-06-09-08:00		1.0	nd	2.0		10.0	
HC/HR-08-07-09-09:20		1.0	nd	2.0		10.0	
HC/HR-08-10-09-08:05		1.0	nd	2.0		10.0	
HC/HR-08-11-09-08:15		1.0	nd	2.0		10.0	
HC/HR-08-12-09-08:20		1.0	nd	2.0		10.0	
HC/HR-08-13-09-07:20		1.0	nd	2.0		10.0	
HC/HR-08-14-09-07:50		1.0	nd	2.0		10.0	
HC/HR-08-17-09-07:45		1.0	nd	2.0		10.0	
HC/HR-08-18-09-07:50		1.0	nd	2.0		10.0	
HC/HR-08-19-09-07:50		1.0	nd	2.0		10.0	
HC/HR-08-20-09-07:50		1.0	nd	2.0		10.0	
HC/HR-08-21-09-08:00		1.0	nd	2.0		10.0	
HC/HR-08-24-09-07:55		1.0	nd	2.0		10.0	
HC/HR-08-25-09-07:50		1.0	nd	2.0		10.0	

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None							
HC/HR-08-26-09-07:20		1.0	nd	2.0		10.0	
HC/HR-08-27-09-07:50		1.0	nd	2.0		10.0	
HC/HR-08-28-09-07:55		1.0	nd	2.0		10.0	
HC/HR-08-31-09-08:15		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

090909

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:
8/3/2009	0	10.00	10.44	104.4%	10.00	9.94	99.4%	6.64	10.00	18.55	16.98	119.1%	103.4%	17.77	8.84%	
8/4/2009	0	10.00	10.45	104.5%	10.00	10.75	107.5%	5.19	10.00	16.87	16.98	116.8%	117.9%	16.93	0.65%	
8/5/2009	0	10.00	10.75	107.5%	10.00	10.72	107.2%	5.36	10.00	16.02	16.18	106.6%	108.2%	16.10	0.99%	
8/6/2009	0	10.00	10.17	101.7%	10.00	10.04	100.4%	5.77	10.00	16.21	16.41	104.4%	106.4%	16.31	1.23%	
8/7/2009	0	10.00	10.33	103.3%	10.00	10.10	101.0%	4.59	10.00	15.64	15.51	110.5%	109.2%	15.58	0.83%	
8/10/2009	0	10.00	10.46	104.6%	10.00	10.55	105.5%	8.67	10.00	19.79	19.78	111.2%	111.1%	19.79	0.05%	
8/12/2009	0	10.00	9.19	91.9%	10.00	10.78	107.8%	5.45	10.00	14.23	15.10	87.8%	96.5%	14.67	5.93%	
8/19/2009	0	10.00	11.08	110.8%	10.00	10.91	109.1%	5.95	10.00	17.25	17.61	113.0%	116.6%	17.43	2.07%	
	0	10.00	11.50	115.0%	10.00	11.21	112.1%		10.00							
8/20/2009	0	10.00	11.15	111.5%	10.00	10.96	109.6%	9.20	10.00	19.73	20.06	105.3%	108.6%	19.90	1.66%	
	0	10.00	10.87	108.7%	10.00	10.90	109.0%		10.00							
8/21/2009	0	10.00	11.06	110.6%	10.00	10.88	108.8%	5.68	10.00	16.93	16.97	112.5%	112.9%	16.95	0.24%	
	0	10.00	10.85	108.5%	10.00	10.66	106.6%		10.00							
8/24/2009	0	10.00	10.90	109.0%	10.00	11.03	110.3%	5.08	10.00	17.66	15.91	125.8%	108.3%	16.79	10.43%	
8/25/2009	0	10.00	10.64	106.4%	10.00	10.98	109.8%	5.22	10.00	15.94	16.03	107.2%	108.1%	15.99	0.56%	
8/26/2009	0	10.00	10.67	106.7%	10.00	10.79	107.9%	5.68	10.00	16.58	16.74	109.0%	110.6%	16.66	0.96%	
8/27/2009	0	10.00	10.90	109.0%	10.00	10.89	108.9%	4.92	10.00	15.25	15.99	103.3%	110.7%	15.62	4.74%	
8/28/2009	0	10.00	10.96	109.6%	10.00	10.98	109.8%	5.95	10.00	17.14	16.80	111.9%	108.5%	16.97	2.00%	
8/31/2009	0	10.00	10.90	109.0%	10.00	10.95	109.5%	4.83	10.00	15.65	16.21	108.2%	113.8%	15.93	3.52%	

CVS Mean: **10.70** 2 Standard Dev.: **0.97** Upper Warning Limit: **11.67** Upper Control Limit: **12.16**
 CVS Standard Dev: **0.49** 3 Standard Dev.: **1.46** Lower Warning Limit: **9.73** Lower Control Limit: **9.24**