

600 South Wagner Road
Ann Arbor, MI 48103-6019
Phone: 734-913-6130 Fax: 734-913-6103

July, 2010

Analyst Initials
Date 080910

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-3-07-12-10-09:36	140	1.0		5.0		10.0	
HZ-S-07-12-10-13:40	939	1.0		5.0		10.0	
LB-1-07-12-10-09:32	587	1.0		5.0		10.0	
LB-3-07-12-10-09:34	520	1.0		5.0		10.0	
PW-1-07-12-10-11:26	608	1.0		5.0		10.0	
SW-COMB-07-12-10-11:20	548	1.0		5.0		10.0	
DOLPH-07-12-10-11:22	82	1.0		5.0		10.0	
TW-5-07-12-10-11:46	988	1.0		5.0		10.0	
TW-8-07-12-10-14:15	518	1.0		5.0		10.0	
TW-9-07-12-10-13:38	1017	1.0		5.0		10.0	
TW-10-07-12-10-13:28	722	1.0		5.0		10.0	
TW-13-07-12-10-13:50	723	1.0		5.0		10.0	
TW-14-07-12-10-13:35	103	1.0		5.0		10.0	
TW-17-07-12-10-13:32	101	1.0		5.0		10.0	
TW-18-07-12-10-11:24	368	1.0		5.0		10.0	
TW-19-07-06-10-08:25	728	1.0		5.0		10.0	
TW-19-07-12-10-09:15	837	1.0		5.0		10.0	
TW-19-07-19-10-11:05	906	1.0		5.0		10.0	
TW-19-07-26-10-08:30	854	1.0		5.0		10.0	
TW-20-07-12-10-13:25	1593	1.0		5.0		10.0	
RED POND							
Red Pond-07-06-10-07:55	538	1.0		5.0		10.0	
Red Pond-07-12-10-07:40	524	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-07-19-10-08:40	526	1.0		5.0		10.0	
Red Pond-07-26-10-07:40	513	1.0		5.0		10.0	
OUTFALL001							
OUTFALL-07-02-10-09:30	7	1.0	nd	5.0		10.0	
OUTFALL-07-04-10-	10	1.0	nd	5.0		10.0	
OUTFALL-07-05-10-	9	1.0	nd	5.0		10.0	
OUTFALL-07-06-10-	7	1.0	nd	5.0		10.0	
OUTFALL-07-07-10-	5	1.0	6	5.0		10.0	
OUTFALL-07-08-10-	4	1.0	nd	5.0		10.0	
OUTFALL-07-11-10-	5	1.0	nd	5.0		10.0	
OUTFALL-07-12-10-	4	1.0	nd	5.0		10.0	
OUTFALL-07-13-10-	4	1.0	6	5.0		10.0	
OUTFALL-07-14-10-	4	1.0	nd	5.0		10.0	
OUTFALL-07-15-10-	5	1.0	nd	5.0		10.0	
OUTFALL-07-18-10-	4	1.0	nd	5.0		10.0	
OUTFALL-07-19-10-	4	1.0	6	5.0		10.0	
OUTFALL-07-20-10-	4	1.0	6	5.0		10.0	
OUTFALL-07-21-10-	4	1.0	5	5.0		10.0	
OUTFALL-07-22-10-	4	1.0	5	5.0		10.0	
OUTFALL-07-25-10-	4	1.0	6	5.0		10.0	
OUTFALL-07-26-10-	4	1.0	nd	5.0		10.0	
OUTFALL-07-27-10-	4	1.0	6	5.0		10.0	
OUTFALL-07-28-10-	4	1.0	6	5.0		10.0	
OUTFALL-07-29-10-	4	1.0	6	5.0		10.0	
Injection Wells							
Maple-Inj-07-01-10-09:00	5	1.0	6	5.0		10.0	
Maple-Inj-07-06-10-08:20	8	1.0	nd	5.0		10.0	
Maple-Inj-07-08-10-08:47	9	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-07-12-10-09:10	6	1.0	nd	5.0		10.0	
Maple-Inj-07-15-10-08:45	6	1.0	6	5.0		10.0	
Maple-Inj-07-19-10-08:20	8	1.0	6	5.0		10.0	
Maple-Inj-07-22-10-09:55	10	1.0	5	5.0		10.0	
Maple-Inj-07-26-10-08:26	6	1.0	nd	5.0		10.0	
Maple-Inj-07-29-10-08:36	5	1.0	6	5.0		10.0	
A-Series Wells							
MW-112s-07-19-10-09:35	nd	1.0		5.0		10.0	
MW-112i-07-19-10-11:15	4	1.0		5.0		10.0	
MW-112d-07-19-10-10:30	nd	1.0		5.0		10.0	
C3							
MW-2d-07-16-10-09:35	42	1.0		5.0		10.0	
MW-12d-07-21-10-11:55	nd	1.0		5.0		10.0	
MW-15s-07-26-10-13:10	nd	1.0		5.0		10.0	
MW-15d-07-26-10-13:25	nd	1.0		5.0		10.0	
MW-16-07-28-10-11:20	nd	1.0		5.0		10.0	
MW-20-07-27-10-14:40	nd	1.0		5.0		10.0	
MW-39s-07-20-10-12:25	30	1.0		5.0		10.0	
MW-105s-07-23-10-14:35	1510	1.0		5.0		10.0	
TW-1-07-13-10-08:35	170	1.0		5.0		10.0	
333 Jackson Plaza-07-16-10-10:25	19	1.0		5.0		10.0	
D0							
ARTESIAN #1-07-13-10-14:30	See comments	1.0		5.0		10.0	Entry error. Not sampled this month.
ARTESIAN #3-07-13-10-14:30	21	1.0		5.0		10.0	
MW-31-07-27-10-14:10	22	1.0		5.0		10.0	
MW-40s-07-15-10-13:40	nd	1.0		5.0		10.0	
MW-40d-07-15-10-14:20	nd	1.0		5.0		10.0	
MW-42s-07-22-10-09:10	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-42d-07-22-10-09:35	nd	1.0		5.0		10.0	
MW-51-07-13-10-10:35	nd	1.0		5.0		10.0	
MW-53s-07-13-10-13:55	nd	1.0		5.0		10.0	
MW-53i-07-13-10-11:45	38	1.0		5.0		10.0	
MW-53d-07-13-10-13:35	2	1.0		5.0		10.0	
MW-59s-07-20-10-11:05	nd	1.0		5.0		10.0	
MW-60-07-22-10-10:15	8	1.0		5.0		10.0	
MW-61s-07-27-10-13:35	21	1.0		5.0		10.0	
MW-61d-07-27-10-13:20	nd	1.0		5.0		10.0	
4141 Jackson Rd-07-21-10-07:45	7	1.0		5.0		10.0	
5005 Jackson Rd-07-20-10-13:40	30	1.0		5.0		10.0	
5115 Jackson Rd-07-20-10-13:20	nd	1.0		5.0		10.0	
110 Parkland Plaza-07-29-10-07:50	4	1.0		5.0		10.0	
4401 Park West-07-22-10-11:05	7	1.0		5.0		10.0	
4601 Park 4 inch-07-27-10-09:40	1	1.0		5.0		10.0	
4601 Park 6 inch-07-27-10-10:20	2	1.0		5.0		10.0	
4742 Park Rd-07-22-10-12:05	19	1.0		5.0		10.0	
A2 Cleaning Supply-07-08-10-12:25	99	1.0		5.0		10.0	
D2							
MW-13-07-16-10-13:55	nd	1.0		5.0		10.0	
MW-14d-07-22-10-07:25	nd	1.0		5.0		10.0	
MW-17-07-08-10-13:35	589	1.0		5.0		10.0	
MW-39d-07-20-10-13:00	178	1.0		5.0		10.0	
MW-43-07-28-10-10:45	nd	1.0		5.0		10.0	
MW-47s-07-29-10-09:35	nd	1.0		5.0		10.0	
MW-47d-07-29-10-10:00	nd	1.0		5.0		10.0	
MW-92-07-14-10-12:05	19	1.0		5.0		10.0	
MW-94s-07-26-10-10:30	2332	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-113-07-30-10-11:00	43	1.0		5.0		10.0	
MW-118-07-20-10-14:25	175	1.0		5.0		10.0	
MW-121s-07-23-10-11:00	nd	1.0		5.0		10.0	
MW-121d-07-23-10-11:40	nd	1.0		5.0		10.0	
TW-21-07-12-10-12:00	367	1.0		5.0		10.0	
545 Allison-07-30-10-13:00	16	1.0		5.0		10.0	
170 Aprill-07-16-10-14:35	18	1.0		5.0		10.0	
305 Pinewood-07-14-10-13:55	1	1.0		5.0		10.0	
E							
MW-30d-07-12-10-09:50	1288	1.0		5.0		10.0	
MW-59d-07-20-10-11:50	nd	1.0		5.0		10.0	
MW-65s-07-30-10-13:45	25	1.0		5.0		10.0	
MW-65d-07-30-10-14:40	2	1.0		5.0		10.0	
MW-67-07-21-10-11:20	nd	1.0		5.0		10.0	
MW-68-07-21-10-10:05	nd	1.0		5.0		10.0	
MW-69-07-16-10-11:50	nd	1.0		5.0		10.0	
MW-70-07-28-10-12:20	nd	1.0		5.0		10.0	
MW-71-07-28-10-10:10	1532	1.0		5.0		10.0	
MW-72s-07-07-10-10:25	17	1.0		5.0		10.0	
MW-72d-07-07-10-11:15	3076	1.0		5.0		10.0	
MW-79s-07-09-10-14:15	253	1.0		5.0		10.0	
MW-79d-07-09-10-13:35	16	1.0		5.0		10.0	
MW-81-07-30-10-11:45	513	1.0		5.0		10.0	
MW-82s-07-15-10-11:00	920	1.0		5.0		10.0	Dilution factor error. Resampled & analyzed 080610 - 96 ppb
MW-82d-07-15-10-10:40	nd	1.0		5.0		10.0	
MW-83s-07-08-10-12:00	590	1.0		5.0		10.0	
MW-83d-07-08-10-11:30	nd	1.0		5.0		10.0	
MW-84s-07-14-10-10:20	831	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-84d-07-14-10-09:45	nd	1.0		5.0		10.0	
MW-85-07-12-10-14:40	1952	1.0		5.0		10.0	
MW-86-07-19-10-12:00	nd	1.0		5.0		10.0	
MW-87s-07-12-10-13:10	18	1.0		5.0		10.0	
MW-87d-07-12-10-13:50	619	1.0	nd	5.0		10.0	
MW-88-07-12-10-11:35	584	1.0		5.0		10.0	
MW-89-07-08-10-14:15	nd	1.0		5.0		10.0	
MW-90-07-14-10-13:10	43	1.0		5.0		10.0	
MW-94d-07-26-10-10:10	nd	1.0		5.0		10.0	
MW-95-07-26-10-12:20	81	1.0		5.0		10.0	
MW-96-07-26-10-11:25	66	1.0		5.0		10.0	
MW-97s-07-21-10-13:05	nd	1.0		5.0		10.0	
MW-97d-07-21-10-13:55	nd	1.0		5.0		10.0	
MW-98d-07-30-10-12:45	10	1.0		5.0		10.0	
MW-99s-07-15-10-11:30	nd	1.0		5.0		10.0	
MW-99d-07-15-10-12:10	nd	1.0		5.0		10.0	
MW-100-07-14-10-14:30	643	1.0		5.0		10.0	
MW-101-07-14-10-11:20	497	1.0		5.0		10.0	
MW-103s-07-23-10-13:00	46	1.0		5.0		10.0	
MW-103d-07-23-10-12:45	20	1.0		5.0		10.0	
MW-104-07-29-10-10:40	nd	1.0		5.0		10.0	
MW-105d-07-23-10-14:20	707	1.0		5.0		10.0	
MW-106s-07-26-10-14:55	438	1.0		5.0		10.0	
MW-106d-07-26-10-14:25	nd	1.0		5.0		10.0	
MW-107-07-29-10-11:50	62	1.0		5.0		10.0	
MW-108s-07-28-10-13:35	2061	1.0		5.0		10.0	
MW-108d-07-28-10-14:25	2807	1.0		5.0		10.0	
MW-110-07-29-10-11:15	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
E							
MW-111-07-13-10-09:35	nd	1.0		5.0		10.0	
MW-115-07-07-10-13:40	724	1.0		5.0		10.0	
MW-116-07-07-10-12:55	638	1.0		5.0		10.0	
MW-117-07-14-10-13:35	nd	1.0		5.0		10.0	
MW-119-07-12-10-12:25	216	1.0		5.0		10.0	
TW-11-07-12-10-11:48	263	1.0		5.0		10.0	
TW-15-07-19-10-14:30	183	1.0		5.0		10.0	
Not Determined							
Bethlehem Cemetery-07-14-10-12:40	nd	1.0		5.0		10.0	
None							
HC/HR-07-02-10-07:05		1.0	nd	2.0		10.0	
HC/HR-07-06-10-08:05		1.0	nd	2.0		10.0	
HC/HR-07-07-10-07:55		1.0	nd	2.0		10.0	
HC/HR-07-08-10-08:15		1.0	nd	2.0		10.0	
HC/HR-07-09-10-07:55		1.0	nd	2.0		10.0	
HC/HR-07-12-10-07:50		1.0	nd	2.0		10.0	
HC/HR-07-13-10-07:55		1.0	nd	2.0		10.0	
HC/HR-07-14-10-07:50		1.0	nd	2.0		10.0	
HC/HR-07-15-10-07:45		1.0	nd	2.0		10.0	
HC/HR-07-16-10-07:50		1.0	nd	2.0		10.0	
HC/HR-07-19-10-07:35		1.0	nd	2.0		10.0	
HC/HR-07-20-10-08:50		1.0	nd	2.0		10.0	
HC/HR-07-21-10-08:25		1.0	nd	2.0		10.0	
HC/HR-07-22-10-07:55		1.0	nd	2.0		10.0	
HC/HR-07-23-10-08:00		1.0	nd	2.0		10.0	
HC/HR-07-26-10-07:40		1.0	nd	2.0		10.0	
HC/HR-07-27-10-07:45		1.0	nd	2.0		10.0	
HC/HR-07-28-10-07:11		1.0	nd	2.0		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
None							
HC/HR-07-29-10-08:20		1.0	nd	2.0		10.0	
HC/HR-07-30-10-08:05		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 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:
7/1/2010	0	10.00	9.93	99.3%	10.00	10.01	100.1%	4.83	10.00	14.11	14.06	92.8%	92.3%	14.09	0.35%	
7/6/2010	0	10.00	9.75	97.5%	10.00	10.07	100.7%	7.59	10.00	15.84	17.08	82.5%	94.9%	16.46	7.53%	
7/7/2010	0	10.00	9.73	97.3%	10.00	10.61	106.1%	6.76	10.00	15.97	18.89	92.1%	121.3%	17.43	16.75%	
7/8/2010	0	10.00	11.31	113.1%	10.00	10.29	102.9%	8.82	10.00	17.56	18.84	87.4%	100.2%	18.20	7.03%	
7/9/2010	0	10.00	11.05	110.5%	10.00	10.19	101.9%	4.34	10.00	13.30	15.37	89.6%	110.3%	14.34	14.44%	
7/12/2010	0	10.00	10.74	107.4%	10.00	10.53	105.3%	6.59	10.00	17.74	15.52	111.5%	89.3%	16.63	13.35%	
7/13/2010	0	10.00	10.75	107.5%	10.00	10.71	107.1%	3.94	10.00	12.21	13.78	82.7%	98.4%	13.00	12.08%	
7/14/2010	0	10.00	10.57	105.7%	10.00	11.39	113.9%	4.17	10.00	15.04	16.39	108.7%	122.2%	15.72	8.59%	
7/15/2010	0	10.00	10.91	109.1%	10.00	10.55	105.5%		10.00							
7/16/2010	0	10.00	10.88	108.8%	10.00	11.09	110.9%	4.62	10.00	15.10	15.30	104.8%	106.8%	15.20	1.32%	
7/19/2010	0	10.00	11.38	113.8%	10.00	11.15	111.5%	8.05	10.00	16.02	17.86	79.7%	98.1%	16.94	10.86%	
7/20/2010	0	10.00	10.46	104.6%	10.00	9.83	98.3%	4.29	10.00	14.45	14.04	101.6%	97.5%	14.25	2.88%	
7/21/2010	0	10.00	11.31	113.1%	10.00	10.02	100.2%	4.36	10.00	15.14	15.15	107.8%	107.9%	15.15	0.07%	
7/22/2010	0	10.00	11.55	115.5%	10.00	10.83	108.3%	10.11	10.00	20.34	19.73	102.3%	96.2%	20.04	3.04%	
7/23/2010	0	10.00	11.10	111.0%	10.00	9.92	99.2%	4.30	10.00	13.55	13.87	92.5%	95.7%	13.71	2.33%	
7/26/2010	0	10.00	11.80	118.0%	10.00	11.91	119.1%	6.13	10.00	18.01	16.50	118.8%	103.7%	17.26	8.75%	
7/27/2010	0	10.00	11.08	110.8%	10.00	11.93	119.3%	3.79	10.00	15.21	15.41	114.2%	116.2%	15.31	1.31%	
7/28/2010	0	10.00	11.58	115.8%	10.00	11.27	112.7%	4.08	10.00	15.63	14.95	115.5%	108.7%	15.29	4.45%	
7/29/2010	0	10.00	11.11	111.1%	10.00	9.85	98.5%	5.26	10.00	15.31	15.00	100.5%	97.4%	15.16	2.05%	
7/30/2010	0	10.00	11.19	111.9%	10.00	10.19	101.9%	4.11	10.00	12.53	14.03	84.2%	99.2%	13.28	11.30%	

R 080310

CVS Mean: **10.91** 2 Standard Dev.: **1.17** Upper Warning Limit: **12.08** Upper Control Limit: **12.66**
 CVS Standard Dev: **0.58** 3 Standard Dev.: **1.75** Lower Warning Limit: **9.74** Lower Control Limit: **9.16**

