



Pall Corporation

# Sample Analysis Report

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April, 2011

Analyst Initials: RC  
Date: 05/06/11

Sample Name - Date/Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments
<b>Residential Wells</b>							
<b>D2</b>							
545 Allison-04-13-11-12:45-1	10	1.0					
<b>Miscellaneous Wells</b>							
<b>E</b>							
IW-2-04-26-11-10:50-1	355	1.0					
<b>Extraction Wells</b>							
<b>C3</b>							
DOLPH-04-04-11-10:14-1	63	1.0					
TW-1-04-04-11-10:07-1	105	1.0					
TW-10-04-04-11-09:50-1	600	1.0					
TW-14-04-04-11-09:56-1	104	1.0					
TW-20-04-04-11-09:42-1	1264	1.0					
<b>D2</b>							
HZ-S-04-04-11-10:03-1	840	1.0					
LB-1-04-04-11-08:55-1	447	1.0					
LB-3-04-04-11-08:57-1	431	1.0					
TW-21-04-04-11-09:20-1	188	1.0					
TW-5-04-04-11-10:25-1	744	1.0					
TW-9-04-04-11-10:00-1	799	1.0					

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<b>E</b>							
TW-11-04-04-11-10:26-1	195	1.0					
TW-17-04-04-11-09:53-1	70	1.0					
TW-18-04-04-11-10:11-1	321	1.0					
<b>Marshy</b>							
PW-1-04-04-11-10:09-1	934	1.0					
<b>Not Applicable</b>							
SW-COMB-04-04-11-10:16-1	450	1.0					
<b>SW</b>							
TW-22-04-04-11-09:35-1	574	1.0					
TW-8-04-04-11-10:45-1	442	1.0					
<b>Monitoring Wells</b>							
<b>C3</b>							
MW-1-04-29-11-13:40-1	997	1.0					
MW-105s-04-05-11-14:20-1	908	1.0					
MW-39s-04-12-11-11:05-1	17	1.0					
<b>D0</b>							
A2 Cleaning Supply-04-07-11-12:00-1	103	1.0					
MW-41d-04-25-11-13:45-1	36	1.0					
MW-41s-04-25-11-13:40-1	21	1.0					
MW-53i-04-12-11-10:35-1	23	1.0					
<b>D2</b>							
175 Jackson Plaza-04-11-11-10:15-1	909	1.0					
2819 Dexter Rd-04-20-11-09:45-1	635	1.0					
MW-107-04-13-11-13:50-1	51	1.0					

Sample Name - Date/Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments
MW-113-04-15-11-12:10-1	46	1.0					
MW-117-04-21-11-11:15-1	nd	1.0					
MW-118-04-05-11-11:55-1	98	1.0					
MW-120s-04-19-11-09:35-1	nd	1.0					
MW-121s-04-15-11-10:00-1	nd	1.0					
MW-122s-04-19-11-14:25-1	40	1.0					
MW-123s-04-19-11-10:55-1	nd	1.0					
MW-124s-04-22-11-10:30-1	nd	1.0					
MW-126s-04-13-11-10:20-1	nd	1.0					
MW-129i-04-21-11-10:50-1	nd	1.0					
MW-129s-04-21-11-09:35-1	nd	1.0					
MW-130i-04-21-11-13:30-1	nd	1.0					
MW-130s-04-21-11-13:00-1	nd	1.0					
MW-131s-04-12-11-13:50-1	nd	1.0					
MW-17-04-01-11-13:30-1	559	1.0					
MW-30i-04-25-11-10:30-1	nd	1.0					
MW-39d-04-12-11-11:30-1	172	1.0					
MW-47d-04-20-11-11:10-1	nd	1.0					
MW-47s-04-20-11-10:50-1	nd	1.0					
MW-4d-04-12-11-14:25-1	872	1.0					
MW-92-04-13-11-14:30-1	17	1.0					
MW-94s-04-11-11-11:55-1	1295	1.0					
MW-BE-1d-04-15-11-11:10-1	3	1.0					
MW-BE-1s-04-15-11-11:25-1	32	1.0					
<b>E</b>							
MW-100-04-14-11-14:30-1	669	1.0					
MW-101-04-13-11-13:20-1	302	1.0					

Sample Name - Date/Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments
MW-103d-04-26-11-13:50-1	13	1.0					
MW-103s-04-26-11-14:20-1	30	1.0					
MW-104-04-20-11-10:20-1	nd	1.0					
MW-105d-04-05-11-14:05-1	536	1.0					
MW-106d-04-18-11-14:20-1	nd	1.0					
MW-106s-04-18-11-13:25-1	154	1.0					
MW-108d-04-14-11-11:15-1	1929	1.0					
MW-108s-04-14-11-10:20-1	1798	1.0					
MW-110-04-20-11-11:55-1	24	1.0					
MW-112d-04-28-11-13:50-1	nd	1.0					
MW-112i-04-28-11-14:35-1	4	1.0					
MW-112s-04-28-11-12:55-1	nd	1.0					
MW-115-04-04-11-14:20-1	596	1.0					
MW-116-04-04-11-13:40-1	511	1.0					
MW-119-04-07-11-13:45-1	475	1.0					
MW-120d-04-19-11-10:25-1	nd	1.0					
MW-121d-04-15-11-10:35-1	nd	1.0					
MW-122d-04-19-11-13:50-1	1	1.0					
MW-123d-04-19-11-11:50-1	nd	1.0					
MW-124d-04-22-11-11:15-1	nd	1.0					
MW-126d-04-13-11-11:10-1	nd	1.0					
MW-129d-04-21-11-10:15-1	nd	1.0					
MW-130d-04-21-11-14:25-1	nd	1.0					
MW-131d-04-12-11-13:25-1	nd	1.0					
MW-30d-04-25-11-11:45-1	1243	1.0					
MW-71-04-14-11-09:35-1	1481	1.0					
MW-72d-04-01-11-11:50-1	2413	1.0					

Sample Name - Date/Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments
MW-72s-04-01-11-11:10-1	11	1.0					
MW-76d-04-29-11-10:45-1	4	1.0					
MW-76i-04-29-11-11:30-1	28	1.0					
MW-76s-04-29-11-11:55-1	184	1.0					
MW-79d-04-06-11-09:35-1	1	1.0					
MW-79s-04-06-11-10:10-1	217	1.0					
MW-81-04-08-11-10:05-1	424	1.0					
MW-82s-04-14-11-13:30-1	118	1.0					
MW-83s-04-01-11-14:05-1	410	1.0					
MW-84d-04-07-11-10:15-1	nd	1.0					
MW-84s-04-07-11-10:40-1	675	1.0					
MW-85-04-07-11-14:30-1	1927	1.0					
MW-87d-04-06-11-11:03-1	623	1.0					
MW-87d-04-06-11-11:03-02			nd	5.0			
MW-87s-04-06-11-10:40-1	899	1.0					
MW-88-04-07-11-11:25-1	405	1.0					
MW-90-04-14-11-13:05-1	33	1.0					
MW-91-04-26-11-11:55-1	21	1.0					
MW-94d-04-11-11-11:20-1	nd	1.0					
MW-95-04-11-11-14:40-1	53	1.0					
MW-96-04-11-11-13:45-1	53	1.0					
MW-98d-04-20-11-14:20-1	8	1.0					
MW-98s-04-20-11-13:25-1	nd	1.0					
TW-15-04-15-11-14:40-1	170	1.0					
<b>Not Determined</b>							
MW-133d-04-08-11-14:10-1	nd	1.0					
MW-133i-04-08-11-11:25-1	nd	1.0					

Sample Name - Date/Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments
MW-133s-04-08-11-10:45-2	nd	1.0					
MW-134d-04-05-11-10:35-1	4	1.0					
MW-134i-04-05-11-09:45-1	6	1.0					
MW-134s-04-05-11-09:10-1	7	1.0					
<b>SH</b>							
MW-5d-04-29-11-14:20-1	19730	1.0					
<b>SW</b>							
MW-10d-04-25-11-14:35-1	929	1.0					
MW-45d-04-22-11-14:25-1	826	1.0					
MW-45s-04-22-11-14:05-1	7	1.0					
MW-50-04-22-11-13:40-1	401	1.0					
MW-52s-04-25-11-14:15-1	866	1.0					
MW-58s-04-22-11-13:15-1	152	1.0					
<b>Surface Water</b>							
<b>Not Applicable</b>							
HC/HR-04-01-11-08:15-1			nd	2.0			
HC/HR-04-04-11-08:05-1			nd	2.0			
HC/HR-04-05-11-08:10-1			nd	2.0			
HC/HR-04-06-11-07:40-1			nd	2.0			
HC/HR-04-07-11-08:15-1			nd	2.0			
HC/HR-04-08-11-08:00-1			nd	2.0			
HC/HR-04-11-11-07:50-1			nd	2.0			
HC/HR-04-12-11-07:50-1			nd	2.0			
HC/HR-04-13-11-08:05-1			nd	2.0			
HC/HR-04-14-11-08:05-1			nd	2.0			
HC/HR-04-15-11-08:30-1			nd	2.0			

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HC/HR-04-18-11-07:55-1			nd	2.0			
HC/HR-04-19-11-08:05-1			nd	2.0			
HC/HR-04-20-11-07:50-1			nd	2.0			
HC/HR-04-21-11-08:20-1			nd	2.0			
HC/HR-04-22-11-08:15-1			nd	2.0			
HC/HR-04-25-11-08:05-1			nd	2.0			
HC/HR-04-26-11-08:10-1			nd	2.0			
HC/HR-04-27-11-08:15-1			nd	2.0			
HC/HR-04-28-11-08:10-1			nd	2.0			
HC/HR-04-29-11-08:25-1			nd	2.0			

### Treatment System

OUTFALL-04-03-11-1	3	1.0					
OUTFALL-04-03-11-02			nd	5.0			
OUTFALL-04-04-11-1	3	1.0					
OUTFALL-04-04-11-1			nd	5.0			
OUTFALL-04-05-11-1	3	1.0					
OUTFALL-04-05-11-02			5	5.0			
OUTFALL-04-06-11-1	4	1.0					
OUTFALL-04-06-11-02			5	5.0			
OUTFALL-04-07-11-1	3	1.0					
OUTFALL-04-07-11-02			5	5.0			
OUTFALL-04-10-11-1	4	1.0					
OUTFALL-04-10-11-01			5	5.0			
OUTFALL-04-11-11-1	4	1.0					
OUTFALL-04-11-11-01			nd	5.0			
OUTFALL-04-12-11-1	4	1.0					
OUTFALL-04-12-11-01			5	5.0			

Sample Name - Date/Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments
OUTFALL-04-13-11-1	4	1.0					
OUTFALL-04-13-11-01			nd	5.0			
OUTFALL-04-14-11-1	4	1.0					
OUTFALL-04-14-11-01			nd	5.0			
OUTFALL-04-17-11-1	4	1.0					
OUTFALL-04-17-11-01			5	5.0			
OUTFALL-04-18-11-1	3	1.0					
OUTFALL-04-18-11-01			5.0	5.0			
OUTFALL-04-19-11-1	4	1.0					
OUTFALL-04-19-11-01			nd	5.0			
OUTFALL-04-20-11-1	3	1.0					
OUTFALL-04-20-11-01			5.0	5.0			
OUTFALL-04-21-11-1	3	1.0					
OUTFALL-04-21-11-01			5.0	5.0			
OUTFALL-04-24-11-1	3	1.0					
OUTFALL-04-24-11-01			5	5.0			
OUTFALL-04-25-11-1	5	1.0					
OUTFALL-04-25-11-01			5	5.0			
OUTFALL-04-26-11-1	5	1.0					
OUTFALL-04-26-11-01			nd	5.0			
OUTFALL-04-27-11-1	3	1.0					
OUTFALL-04-27-11-01			nd	5.0			
OUTFALL-04-28-11-1	5	1.0					
OUTFALL-04-28-11-01			nd	5.0			
Red Pond-04-04-11-07:55-1	393	1.0					
Red Pond-04-11-11-08:10-1	387	1.0					
Red Pond-04-18-11-07:55-1	451	1.0					



Sample Name - Date/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-04-25-11-08:05-1	349	1.0					

# 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>
4/1/2011	0	10.00	8.27	82.7%	10.00	9.87	98.7%	3.00	10.00	11.84	12.95	88.4%	99.5%	12.40	8.96%	
4/4/2011	0	10.00	8.48	84.8%	10.00	9.70	97.0%	2.80	10.00	12.00	12.20	92.0%	94.0%	12.10	1.65%	
4/5/2011	0	10.00	9.60	96.0%	10.00	10.50	105.0%	5.70	10.00	15.00	14.50	93.0%	88.0%	14.75	3.39%	
4/6/2011	0	10.00	8.82	88.2%	10.00	9.40	94.0%	2.80	10.00	11.50	12.70	87.0%	99.0%	12.10	9.92%	
4/7/2011	0	10.00	9.90	99.0%	10.00	9.80	98.0%	3.70	10.00	12.70	12.80	90.0%	91.0%	12.75	0.78%	
4/8/2011	0	10.00	10.10	101.0%	10.00	9.11	91.1%	3.40	10.00	12.60	13.00	92.0%	96.0%	12.80	3.13%	
4/10/2011	0	10.00	9.00	90.0%	10.00	9.90	99.0%	18.20	10.00	28.20	31.00	100.0%	128.0%	29.60	9.46%	
4/11/2011	0	10.00	8.80	88.0%	10.00	8.37	83.7%	3.90	10.00	14.40	14.20	105.0%	103.0%	14.30	1.40%	
4/12/2011	0	10.00	9.50	95.0%	10.00	9.10	91.0%	4.10	10.00	13.00	14.40	89.0%	103.0%	13.70	10.22%	
4/13/2011	0	10.00	9.10	91.0%	10.00	8.30	83.0%	3.80	10.00	13.90	13.90	101.0%	101.0%	13.90	0.00%	
4/14/2011	0	10.00	9.80	98.0%	10.00	10.70	107.0%	3.90	10.00	14.70	14.60	108.0%	107.0%	14.65	0.68%	
4/18/2011	0	10.00	10.80	108.0%	10.00	9.54	95.4%	3.70	10.00	14.90	16.40	112.0%	127.0%	15.65	9.58%	
4/20/2011	0	10.00	9.30	93.0%	10.00	9.10	91.0%	3.97	10.00	12.30	12.80	83.3%	88.3%	12.55	3.98%	
4/21/2011	0	10.00	11.00	110.0%	10.00	9.80	98.0%	3.40	10.00	14.00	14.60	106.0%	112.0%	14.30	4.20%	
4/25/2011	0	10.00	9.20	92.0%	10.00	8.60	86.0%	3.20	10.00	11.60	11.80	84.0%	86.0%	11.70	1.71%	
4/27/2011	0	10.00	9.70	97.0%	10.00	12.00	120.0%	4.70	10.00	16.30	16.70	116.0%	120.0%	16.50	2.42%	
4/28/2011	0	10.00	11.40	114.0%	10.00	9.90	99.0%	3.20	10.00	10.60	11.20	74.0%	80.0%	10.90	5.50%	

CVS Mean: **9.57**      2 Standard Dev.: **1.74**      Upper Warning Limit: **11.32**      Upper Control Limit: **12.19**  
 CVS Standard Dev: **0.87**      3 Standard Dev.: **2.62**      Lower Warning Limit: **7.83**      Lower Control Limit: **6.96**