AAI7-062.1 List of samples submitted to TestAmerica

Event	Date	Sample	ART#	Total P	TOC	TSS	TVS	Cr6+	Diss. Cr6+	Alkalinity	Cl	Nitrate	SO4	Metals	Diss. Metals	SVOC	VOC	OCP	TKN	NH4	ClO4	ClO3	ClO4 (total Ca,Mn,Mg	TAT Request	STL	ART	to ART	
Initial Sampling	11/04/2007	Blended (Drum #7)	44393	1	1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1		3-5 d	12/04/2007	19/04/2007	24/04/2007	
		MWA-30 (Drum #1)	44394	1	1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1		3-5 d		20/04/2007		
		MWA-17Si (Drum #4)	44395	1	1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1		3-5 d		23/04/2007		
		MWA-23 (Drum #13)	44396	1	1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1		3-5 d				
		Blended (Drum #7) Filtered (0.45 micron)	44397						1						1									3-5 d				
		MWA-30 (Drum #1) Filtered (0.45 micron)	44398						1						1									3-5 d				
		MWA-17Si (Drum #4) Filtered (0.45 micron)	44399						1						1									3-5 d				
		MWA-23 (Drum #13) Filtered (0.45 micron)	44400						1						1									3-5 d				

Event	Date	Sample	ART#	ClO4	ClO3					
ZVI Batch	30/04/2007	Jar - 1	44476	1	1	48 hr	01/05/2007	03/05/2007	04/05/2007	
		Jar - 2	44477	1	1	48 hr				
		Jar - 3	44478	1	1	48 hr				
		Jar - 4	44479	1	1	48 hr				
		Jar - 5	44480	1	1	48 hr				
		Jar - 6	44481	1	1	48 hr				
		Jar - 7	44482	1	1	48 hr				
		Jar - 8	44483	1	1	48 hr				
		Jar - 9	44484	1	1	48 hr				
		Jar - 10	44485	1	1	48 hr				
		Jar - 11	44486	1	1	48 hr				
		Jar - 12	44487	1	1	48 hr				
	01/05/2007	Jar - 13	44488	1	1	48 hr	02/05/2007	03/05/2007	08/05/2007	HClO4 data
		Jar - 14	44489	1	1	48 hr	03/05/2007	07/05/2007	10/05/2007	ClO3 data
		Jar - 15	44490	1	1	48 hr				
		Jar - 16	44491	1	1	48 hr				

Event	Date	Sample	ART#	Total P	TOC	TSS	TVS	Cr6+	Diss. Cr6	Alkalinity	Cl	Nitrate	SO4	Metals	Diss. Metal	SVOC	VOC	OCP	TKN	NH4	ClO4	ClO3					
Jar Test	14/05/2007	Blended Groundwater	44526			1								1									5 day	16/05/2007	23/05/2007	24/05/2007	
	14/05/2007	Blended Groundwater Filtere	44527												1								5 day				
	14/05/2007	Jar 1	44528			1								1									5 day				
	14/05/2007	Jar 1 Filtered (0.45 micron)	44529												1								5 day				
	14/05/2007	Jar 2	44530			1								1									5 day				
	14/05/2007	Jar 2 Filtered (0.45 micron)	44531												1								5 day				
	14/05/2007	Jar 3	44532			1								1									5 day				
	14/05/2007	Jar 3 Filtered (0.45 micron)	44533												1								5 day				
	14/05/2007	Jar 4	44534			1								1									5 day				
	14/05/2007	Jar 4 Filtered (0.45 micron)	44535												1								5 day				
	14/05/2007	Jar 5	44536			1								1									5 day				
	14/05/2007	Jar 5 Filtered (0.45 micron)	44537												1								5 day				
	14/05/2007	Jar 6	44538			1								1									5 day				
	14/05/2007	Jar 6 Filtered (0.45 micron)	44539												1								5 day				
	14/05/2007	Jar 7	44540			1								1									5 day				
	14/05/2007	Jar 7 Filtered (0.45 micron)	44541												1								5 day				
	14/05/2007	Jar 8	44542			1								1									5 day				
	14/05/2007	Jar 8 Filtered (0.45 micron)	44543												1								5 day				
	15/05/2007	Jar 9	44544			1								1									5 day				
	15/05/2007	Jar 9 Filtered (0.45 micron)	44545												1								5 day				
	15/05/2007	Jar 10	44546			1								1									5 day				
	15/05/2007	Jar 10 Filtered (0.45 micron)	44547												1								5 day				
	15/05/2007	Jar 11	44548			1								1									5 day				
	15/05/2007	Jar 11 Filtered (0.45 micron)	44549												1								5 day				
	15/05/2007	Jar 12	44550			1								1									5 day				
	15/05/2007	Jar 12 Filtered (0.45 micron)	44551												1								5 day				
	15/05/2007	Jar 13	44552			1								1									5 day				
	15/05/2007	Jar 13 Filtered (0.45 micron)	44553												1								5 day				
	15/05/2007	Jar 14	44554			1								1									5 day				
	15/05/2007	Jar 14 Filtered (0.45 micron)	44555												1								5 day				
	15/05/2007	Jar 15	44556			1								1									5 day				
	15/05/2007	Jar 15 Filtered (0.45 micron)	44557												1								5 day				
	15/05/2007	Jar 16	44558			1								1									5 day				
	15/05/2007	Jar 16 Filtered (0.45 micron)	44559												1								5 day				
	14/05/2007	Jar 17	44560			1								1									5 day				
	14/05/2007	Jar 17 Filtered (0.45 micron)	44561												1								5 day				
	15/05/2007	Jar 18	44562			1								1									5 day				
	15/05/2007	Jar 18 Filtered (0.45 micron)	44563												1								5 day				

Event	Date	Sample	ART#	Total P	TOC	TSS	TVS	Cr6+	Diss. Cr6	Alkalinity	Cl	Nitrate	SO4	Metals	Diss. Metal	SVOC	VOC	OCP	TKN	NH4	ClO4	ClO3					
Jar Test II	26/06/2007	Jar 1	44817			1								1									std	28/06/2007	09/07/2007	09/07/2007	
	26/06/2007	Jar 2	44818			1								1									std				
	26/06/2007	Jar 3	44819			1								1									std				
	26/06/2007	Jar 4	44820			1								1									std				
	26/06/2007	Jar 1 Filtered (0.45 micron)	44821												1								std				
	26/06/2007	Jar 2 Filtered (0.45 micron)	44822												1								std				
	26/06/2007	Jar 3 Filtered (0.45 micron)	44823												1								std				
	26/06/2007	Jar 4 Filtered (0.45 micron)	44824												1								std				

Event	Date	Sample	ART#	Total P	TOC	TSS	TVS	Cr6+	Diss. Cr6	Alkalinity	Cl	Nitrate	SO4	Metals	Diss. Metal	SVOC	VOC	OCP	TKN	NH4	ClO4	ClO3					
Jar Test III	31/07/2007	Blended GW (Pail 4 of 10 - [	45045											1									3 day	01/08/2007	07/08/2007	07/08/2007	
	31/07/2007	Blended GW (Pail 4 of 10 - [	45046												1								3 day				
	31/07/2007	MWA-17Si (Pail 2 of 7 - Drur	45047												1								3 day				
	31/07/2007	Jar 3 After aeration/pH adj/p	45048											1									3 day				
	31/07/2007	Jar 3 After aeration/pH adj/p	45049											1									3 day				

Event	Date	Sample	ART#	Total P	TOC	TSS	TVS	Cr6+	Diss. Cr6	Alkalinity	Cl	Nitrate	SO4	Metals	Diss. Metal	SVOC	VOC	OCP	TKN	NH4	ClO4	ClO3					
FBR RECYCLE	10/09/2007	FBR#1 Recycle	45308																				5 day	11/09/2007	18/09/2007	18/09/2007	
Day 10	10/09/2007	FBR#2 Recycle	45309																				5 day				
PBR RECYCLE	10/09/2007	PBR#1 Recycle	45310																				5 day				
Day 10	10/09/2007	PBR#1 Recycle	45311																				5 day				
																							5 day				

Event	Date	Sample	ART#	Total P	TOC	TSS	TVS	Cr6+	Diss. Cr6	Alkalinity	Cl	Nitrate	SO4	Metals	Diss. Metal	SVOC	VOC	OCP	TKN	NH4	ClO4	ClO3					
FBR RECYCLE	18/09/2007	FBR#1 Recycle	45373	1	1							1	1						1	1	1	1	5 day	19/09/2007	26/09/2007	26/09/2007	others
Day 18	18/09/2007	FBR#2 Recycle	45374	1	1							1	1						1	1	1	1	5 day			27/09/2007	Chlorate
PBR RECYCLE	18/09/2007	PBR#1 Recycle	45375	1	1							1	1						1	1	1	1	5 day				
Day 18	18/09/2007	PBR#1 Recycle	45376	1	1							1	1						1	1	1	1	5 day				

Event	Date	Sample	ART#	Total P	TOC	TSS	TVS	Cr6+	Diss. Cr6	Alkalinity	Cl	Nitrate	SO4	Metals	Diss. Metal	SVOC	VOC	OCP	TKN	NH4	ClO4	ClO3					
FBR RECYCLE	01/10/2007	FBR#1 Recycle	45449	1	1							1	1						1	1	1	1	3 day	02/10/2007	05/10/2007	05/10/2007	
Day 31	01/10/2007	FBR#2 Recycle	45450	1	1							1	1						1	1	1	1	3 day				
PBR RECYCLE	01/10/2007	PBR#1 Recycle	45451	1	1							1	1						1	1	1	1	3 day				
Day 31	01/10/2007	PBR#1 Recycle	45452	1	1							1	1						1	1	1	1	3 day				

Event	Date	Sample	ART#	Total P	TOC	TSS	TVS	Cr6+	Diss. Cr6	Alkalinity	Cl	Nitrate	SO4	Metals	Diss. Metal	SVOC	VOC	OCP	TKN	NH4	ClO4	ClO3					
Continuous Feed	02/10/2007	1600 ppm Cl Feed	45453	1	1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	Requested 3	03/10/2007	17/10/2007	22/10/2007	
Initial Sampling	02/10/2007	8000 ppm Cl Feed	45454	1	1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	Requested 3 day but logged in as 10 day				
	02/10/2007	1600 ppm Cl Feed - chemica	45455	1	1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	Requested 3 day but logged in as 10 day				
	02/10/2007	8000 ppm Cl Feed - chemica	45456	1	1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	Requested 3 day but logged in as 10 day				

Event	Date	Sample	ART#	Total P	TOC	TSS	TVS	Cr6+	Diss. Cr6	Alkalinity	Cl	Nitrate	SO4	Metals	Diss. Metal	SVOC	VOC	OCP	TKN	NH4	ClO4	ClO3				
																							12/10/2007	18/10/2007	18/10/2007	
Continuous Feed	11/10/2007	FBR SYS 1 SAND	45473	1	1						1	1	1						1	1	1	1	Requested 3 day but logged in as 5 day			
Sampling #1	11/10/2007	FBR SYS 1 GAC	45474	1	1						1	1	1						1	1	1	1	Requested 3 day but logged in as 5 day			
	11/10/2007	FBR SYS 2 SAND	45475	1	1						1	1	1						1	1	1	1	Requested 3 day but logged in as 5 day			
	11/10/2007	FBR SYS 2 GAC	45476	1	1						1	1	1						1	1	1	1	Requested 3 day but logged in as 5 day			
	11/10/2007	PBR SYS 1	45477	1	1						1	1	1						1	1	1	1	Requested 3 day but logged in as 5 day			
	11/10/2007	PBR SYS 2	45478	1	1						1	1	1						1	1	1	1	Requested 3 day but logged in as 5 day			

Event	Date	Sample	ART#	Total P	TOC	TSS	TVS	Cr6+	Diss. Cr6	Alkalinity	Cl	Nitrate	SO4	Metals	Diss. Metal	SVOC	VOC	OCP	TKN	NH4	ClO4	ClO3				
																							23/10/2007	01/11/2007	12/11/2007	
Continuous Feed	18/10/2007	EHC SYS 1 Feed	45479		1	1	1					anions		1	1	1	1	1	1	1	1	1	Requested 5 but logged in as 10 day			
Sampling #1	to	EHC SYS 2 Feed	45480		1	1	1					anions		1	1	1	1	1	1	1	1	1	Requested 5 but logged in as 10 day			
	22/10/2007	EHC SYS 1 Sand	45481		1	1	1					anions		1	1	1	1	1	1	1	1	1	Requested 5 but logged in as 10 day			
		EHC SYS 1 Aerobic	45482		1	1	1					anions		1	1	1	1	1	1	1	1	1	Requested 5 but logged in as 10 day			
		EHC SYS 1 Anaerobic	45483		1	1	1					anions		1	1	1	1	1	1	1	1	1	Requested 5 but logged in as 10 day			
		EHC SYS 2 Sand	45484		1	1	1					anions		1	1	1	1	1	1	1	1	1	Requested 5 but logged in as 10 day			
		EHC SYS 2 Aerobic	45485		1	1	1					anions		1	1	1	1	1	1	1	1	1	Requested 5 but logged in as 10 day			
		EHC SYS 2 Anaerobic	45486		1	1	1					anions		1	1	1	1	1	1	1	1	1	Requested 5 but logged in as 10 day			

Event	Date	Sample	ART#	Total P	TOC	TSS	TVS	Cr6+	Diss. Cr6	Alkalinity	Cl	Nitrate	SO4	Metals	Diss. Metal	SVOC	VOC	OCP	TKN	NH4	ClO4	ClO3				
																							24/10/2007	30/10/2007	01/11/2007	
Continuous Feed	23/10/2007	FBR SYS 1 FEED	45525	1							1									1	1	1	Requested 3 day but logged	most data excpt		
Sampling #2	23/10/2007	FBR SYS 2 FEED	45526	1							1									1	1	1	Requested 3 day but logged	NH3, TVS		
	23/10/2007	PBR SYS 1 FEED	45527	1							1									1	1	1	Requested 3 day but logged in as 5 day			
	23/10/2007	PBR SYS 2 FEED	45528	1							1									1	1	1	Requested 3 day but logged in as 5 day			
	23/10/2007	FBR SYS 1 SAND	45529	1	1	1	1				1		1							1	1	1	Requested 3 day but logged in as 5 day			
	23/10/2007	FBR SYS 1 GAC	45530	1	1	1	1				1		1							1	1	1	Requested 3 day but logged in as 5 day			
	23/10/2007	FBR SYS 2 SAND	45531	1	1	1	1				1		1							1	1	1	Requested 3 day but logged in as 5 day			
	23/10/2007	FBR SYS 2 GAC	45532	1	1	1	1				1		1							1	1	1	Requested 3 day but logged in as 5 day			
	23/10/2007	PBR SYS 1	45533	1	1	1	1				1		1							1	1	1	Requested 3 day but logged in as 5 day			
	23/10/2007	PBR SYS 2	45534	1	1	1	1				1		1							1	1	1	Requested 3 day but logged in as 5 day			

Event	Date	Sample	ART#	Total P	TOC	TSS	TVS	Cr6+	Diss. Cr6	Alkalinity	Cl	Nitrate	SO4	Metals	Diss. Metal	SVOC	VOC	OCP	TKN	NH4	ClO4	ClO3	O4 (6860)				
																								02/11/2007	14/11/2007	14/11/2007	
Continuous Feed	01/11/2007	FBR SYS 1 FEED	45581	1							1									1	1	1		Requested 3 day but logged in as 5 day			
Sampling #3	01/11/2007	FBR SYS 2 FEED	45582	1							1									1	1	1		Requested 3 day but logged in as 5 day			
	01/11/2007	PBR SYS 1 FEED	45583	1							1									1	1	1		Requested 3 day but logged in as 5 day			
	01/11/2007	PBR SYS 2 FEED	45584	1							1									1	1	1		Requested 3 day but logged in as 5 day			
	01/11/2007	FBR SYS 1 SAND	45585	1	1	1	1				1		1							1	1	1		Requested 3 day but logged in as 5 day			
	01/11/2007	FBR SYS 1 GAC	45586	1	1	1	1				1		1							1	1	1		Requested 3 day but logged in as 5 day			
	01/11/2007	FBR SYS 2 SAND	45587	1	1	1	1				1		1							1	1	1		Requested 3 day but logged in as 5 day			
	01/11/2007	FBR SYS 2 GAC	45588	1	1	1	1				1		1							1	1	1		Requested 3 day but logged in as 5 day			
	01/11/2007	PBR SYS 1	45589	1	1	1	1				1		1							1	1	1		Requested 3 day but logged in as 5 day			
	01/11/2007	PBR SYS 2	45590	1	1	1	1				1		1							1	1	1		Requested 3 day but logged in as 5 day			

Event	Date	Sample	ART#	Total P	TOC	TSS	TVS	Cr6+	Diss. Cr6	Alkalinity	Cl	Nitrate	SO4	Metals	Diss. Metal	SVOC	VOC	OCP	TKN	NH4	ClO4	ClO3	O4 (6860)				
																								13/11/2007	27/11/2007	03/12/2007	others
Continuous Feed	08/11/2007	EHC SYS 1 Feed	45612		1	1	1					anions		1	1	1	1	1	1	1	1	1		Requested 5 day but logged in as 10 day		15/11/2007	chlorate
Sampling #2	to	EHC SYS 2 Feed	45613		1	1	1					anions		1	1	1	1	1	1	1	1	1		Requested 5 day but logged in as 10 day			
	12/11/2007	EHC SYS 1 Sand	45614		1	1	1					anions		1	1	1	1	1	1	1	1	1		Requested 5 day but logged in as 10 day			
		EHC SYS 1 Aerobic	45615		1	1	1					anions		1	1	1	1	1	1	1	1	1		Requested 5 day but logged in as 10 day			
		EHC SYS 1 Anaerobic	45616		1	1	1					anions		1	1	1	1	1	1	1	1	1		Requested 5 day but logged in as 10 day			
		EHC SYS 2 Sand	45617		1	1	1					anions		1	1	1	1	1	1	1	1	1		Requested 5 day but logged in as 10 day			
		EHC SYS 2 Aerobic	45618		1	1	1					anions		1	1	1	1	1	1	1	1	1		Requested 5 day but logged in as 10 day			
		EHC SYS 2 Anaerobic	45619		1	1	1					anions		1	1	1	1	1	1	1	1	1		Requested 5 day but logged in as 10 day			

Event	Date	Sample	ART#	Total P	TOC	TSS	TVS	Cr6+	Diss. Cr6	Alkalinity	Cl	Nitrate	SO4	Metals	Diss. Metal	SVOC	VOC	OCP	TKN	NH4	ClO4	ClO3	ClO4 (6860)				
																								02/11/2007	14/11/2007	14/11/2007	
Continuous Feed	15/11/2007	FBR SYS 1 FEED	45630	1							1									1	1	1		Requested 3 day but logged in as 5 day			
Sampling #4	15/11/2007	FBR SYS 2 FEED	45631	1							1									1	1	1		Requested 3 day but logged in as 5 day			
	15/11/2007	PBR SYS 1 FEED	45632	1							1									1	1	1		Requested 3 day but logged in as 5 day			
	15/11/2007	PBR SYS 2 FEED	45633	1							1									1	1	1		Requested 3 day but logged in as 5 day			
	15/11/2007	FBR SYS 1 SAND	45634	1	1	1	1				1		1							1	1	1	1	Requested 3 day but logged in as 5 day			
	15/11/2007	FBR SYS 1 GAC	45635	1	1	1	1				1		1							1	1	1	1	Requested 3 day but logged in as 5 day			
	15/11/2007	FBR SYS 2 SAND	45636	1	1	1	1				1		1							1	1	1	1	Requested 3 day but logged in as 5 day			
	15/11/2007	FBR SYS 2 GAC	45637	1	1	1	1				1		1							1	1	1	1	Requested 3 day but logged in as 5 day			
	15/11/2007	PBR SYS 1	45638	1	1	1	1				1		1							1	1	1	1	Requested 3 day but logged in as 5 day			
	15/11/2007	PBR SYS 2	45639	1	1	1	1				1		1							1	1	1	1	Requested 3 day but logged in as 5 day			

Event	Date	Sample	ART#	Total P	TOC	TSS	TVS	Cr6+	Diss. Cr6	Alkalinity	Cl	Nitrate	SO4	Metals	Diss. Metal	SVOC	VOC	OCP	TKN	NH4	ClO4	ClO3	ClO4 (6860)				
																								29/11/2007	05/12/2007	06/12/2007	
Continuous Feed	28/11/2007	FBR SYS 1 FEED	45684	1							1									1	1	1		Logged in as 5 day			
Sampling #5	28/11/2007	FBR SYS 2 FEED	45685	1							1									1	1	1		Logged in as 5 day			
	28/11/2007	PBR SYS 1 FEED	45686	1							1									1	1	1		Logged in as 5 day			
	28/11/2007	PBR SYS 2 FEED	45687	1							1									1	1	1		Logged in as 5 day			
	28/11/2007	FBR SYS 1 SAND	45688	1	1	1	1				1		1							1		1	1	Logged in as 5 day			
	28/11/2007	FBR SYS 1 GAC	45689	1	1	1	1				1		1							1		1	1	Logged in as 5 day			
	28/11/2007	FBR SYS 2 SAND	45690	1	1	1	1				1		1							1		1	1	Logged in as 5 day			
	28/11/2007	FBR SYS 2 GAC	45691	1	1	1	1				1		1							1		1	1	Logged in as 5 day			
	28/11/2007	PBR SYS 1	45692	1	1	1	1				1		1							1		1	1	Logged in as 5 day			
	28/11/2007	PBR SYS 2	45693	1	1	1	1				1		1							1		1	1	Logged in as 5 day			

Event	Date	Sample	ART#	Total P	TOC	TSS	TVS	Cr6+	Diss. Cr6	Alkalinity	Cl	Nitrate	SO4	Metals	Diss. Metal	SVOC	VOC	OCP	TKN	NH4	ClO4	ClO3	ClO4 (6860)				
																								05/12/2007	12/12/2007	14/12/2007	
Continuous Feed	29/11/2007	EHC SYS 1 Feed	45696	1	1	1	1					anions		1	1	1	1	1	1	1	1	1		Requested 5 day but logged in as 10 day			
Sampling #3	to	EHC SYS 2 Feed	45697	1	1	1	1					anions		1	1	1	1	1	1	1	1	1		Requested 5 day but logged in as 10 day			
	03/12/2007	EHC SYS 1 Sand	45698	1	1	1	1					anions		1	1	1	1	1	1		1	1		Requested 5 day but logged in as 10 day			
		EHC SYS 1 Aerobic	45699	1	1	1	1					anions		1	1	1	1	1	1		1	1		Requested 5 day but logged in as 10 day			
		EHC SYS 1 Anaerobic	45700	1	1	1	1					anions		1	1	1	1	1	1		1	1		Requested 5 day but logged in as 10 day			
		EHC SYS 2 Sand	45701	1	1	1	1					anions		1	1	1	1	1	1		1	1		Requested 5 day but logged in as 10 day			
		EHC SYS 2 Aerobic	45702	1	1	1	1					anions		1	1	1	1	1	1		1	1		Requested 5 day but logged in as 10 day			
		EHC SYS 2 Anaerobic	45703	1	1	1	1					anions		1	1	1	1	1	1		1	1		Requested 5 day but logged in as 10 day			

Event	Date	Sample	ART#	Total P	TOC	TSS	TVS	Cr6+	Diss. Cr6	Alkalinity	Cl	Nitrate	SO4	Metals	Diss. Metal	SVOC	VOC	OCP	TKN	NH4	ClO4	ClO3	ClO4 (6860)				
																								11/12/2007	18/12/2007	18/12/2007	
Continuous Feed	09/12/2007	FBR SYS 1 FEED	45710	1							1									1	1	1		Logged in as 5 day			
Sampling #6	09/12/2007	FBR SYS 2 FEED	45711	1							1									1	1	1		Logged in as 5 day			
	09/12/2007	PBR SYS 1 FEED	45712	1							1									1	1	1		Logged in as 5 day			
	09/12/2007	PBR SYS 2 FEED	45713	1							1									1	1	1		Logged in as 5 day			
	09/12/2007	FBR SYS 1 SAND	45714	1	1	1	1				1		1							1		1	1	Logged in as 5 day			
	09/12/2007	FBR SYS 1 GAC	45715	1	1	1	1				1		1							1		1	1	Logged in as 5 day			
	09/12/2007	FBR SYS 2 SAND	45716	1	1	1	1				1		1							1		1	1	Logged in as 5 day			
	09/12/2007	FBR SYS 2 GAC	45717	1	1	1	1				1		1							1		1	1	Logged in as 5 day			
	09/12/2007	PBR SYS 1	45718	1	1	1	1				1		1							1		1	1	Logged in as 5 day			
	09/12/2007	PBR SYS 2	45719	1	1	1	1				1		1							1		1	1	Logged in as 5 day			

Event	Date	Sample	ART#	Total P	TOC	TSS	TVS	Cr6+	Diss. Cr6	Alkalinity	Cl	Nitrate	SO4	Metals	Diss. Metal	SVOC	VOC	OCP	TKN	NH4	ClO4	ClO3	ClO4 (6860)				
																								15/12/2007	24/12/2007	24/12/2007	
Continuous Feed	14/12/2007	FBR SYS 1 FEED	45723	1							1									1	1	1		Logged in as 5 day			
Sampling #7	14/12/2007	FBR SYS 2 FEED	45724	1							1									1	1	1		Logged in as 5 day			
	14/12/2007	PBR SYS 1 FEED	45725	1							1									1	1	1		Logged in as 5 day			
	14/12/2007	PBR SYS 2 FEED	45726	1	SOLUBLE						1									1	1	1		Logged in as 5 day			
	14/12/2007	FBR SYS 1 SAND	45727	1	1	1	1				1		1							1		1	1	Logged in as 5 day			
	14/12/2007	FBR SYS 1 GAC	45728	1	1	1	1				1		1							1		1	1	Logged in as 5 day			
	14/12/2007	FBR SYS 2 SAND	45729	1	1	1	1				1		1							1		1	1	Logged in as 5 day			
	14/12/2007	FBR SYS 2 GAC	45730	1	1	1	1				1		1							1		1	1	Logged in as 5 day			
	14/12/2007	PBR SYS 1	45731	1	1	1	1				1		1							1		1	1	Logged in as 5 day			
	14/12/2007	PBR SYS 2	45732	1	1	1	1				1		1							1		1	1	Logged in as 5 day			

Event	Date	Sample	ART#	Total P	TOC	TSS	TVS	Cr6+	Diss. Cr6	Alkalinity	Cl	Nitrate	SO4	Metals	Diss. Metal	SVOC	VOC	OCP	TKN	NH4	ClO4	ClO3	ClO4 (6860)				
																								21/12/2007	28/12/2007	28/12/2007	
Continuous Feed	20/12/2007	FBR SYS 1 FEED	45745	1							1									1	1	1		Logged in as 5 day			

Sampling #8	20/12/2007	FBR SYS 2 FEED	45746	1							1								1	1	1			Logged in as 5 day			
	20/12/2007	PBR SYS 1 FEED	45747	1							1								1	1	1			Logged in as 5 day			
	20/12/2007	PBR SYS 2 FEED	45748	1	SOLUBLE						1								1	1	1			Logged in as 5 day			
	20/12/2007	FBR SYS 1 SAND	45749	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	20/12/2007	FBR SYS 1 GAC	45750	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	20/12/2007	FBR SYS 2 SAND	45751	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	20/12/2007	FBR SYS 2 GAC	45752	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	20/12/2007	PBR SYS 1	45753	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	20/12/2007	PBR SYS 2	45754	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
Event	**Date**	**Sample**	**ART#**	**Total P**	**TOC**	**TSS**	**TVS**	**Cr6+**	**)iss. Cr6**	**Alkalinity**	**Cl**	**Nitrate**	**SO4**	**Metals**	**)iss. Metal**	**SVOC**	**VOC**	**OCP**	**TKN**	**NH4**	**ClO4**	**ClO3**	**ClO4 (6860)**	29/12/2007	07/01/2008	07/01/2008	
Continuous Feed	28/12/2007	FBR SYS 1 FEED	45758	1							1								1	1	1			Logged in as 5 day			
Sampling #9	28/12/2007	FBR SYS 2 FEED	45759	1							1								1	1	1			Logged in as 5 day			
	28/12/2007	PBR SYS 1 FEED	45760	1							1								1	1	1			Logged in as 5 day			
	28/12/2007	PBR SYS 2 FEED	45761	1	SOLUBLE						1								1	1	1			Logged in as 5 day			
	28/12/2007	FBR SYS 1 SAND	45762	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	28/12/2007	FBR SYS 1 GAC	45763	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	28/12/2007	FBR SYS 2 SAND	45764	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	28/12/2007	FBR SYS 2 GAC	45765	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	28/12/2007	PBR SYS 1	45766	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	28/12/2007	PBR SYS 2	45767	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
Event	**Date**	**Sample**	**ART#**	**Total P**	**TOC**	**TSS**	**TVS**	**Cr6+**	**)iss. Cr6**	**Alkalinity**	**Cl**	**Nitrate**	**SO4**	**Metals**	**)iss. Metal**	**SVOC**	**VOC**	**OCP**	**TKN**	**NH4**	**ClO4**	**ClO3**	**ClO4 (6860)**	04/01/2008	12/01/2008	12/01/2008	others
Continuous Feed	03/01/2008	FBR SYS 1 FEED	45768	1							1								1	1	1			Logged in as 5 day	25/01/2008	25/01/2008	Chlorate
Sampling #10	03/01/2008	FBR SYS 2 FEED	45769	1							1								1	1	1			Logged in as 5 day			
	03/01/2008	PBR SYS 1 FEED	45770	1							1								1	1	1			Logged in as 5 day			
	03/01/2008	PBR SYS 2 FEED	45771	1	SOLUBLE						1								1	1	1			Logged in as 5 day			
	03/01/2008	FBR SYS 1 SAND	45772	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	03/01/2008	FBR SYS 1 GAC	45773	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	03/01/2008	FBR SYS 2 SAND	45774	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	03/01/2008	FBR SYS 2 GAC	45775	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	03/01/2008	PBR SYS 1	45776	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	03/01/2008	PBR SYS 2	45777	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
Event	**Date**	**Sample**	**ART#**	**Total P**	**TOC**	**TSS**	**TVS**	**Cr6+**	**)iss. Cr6**	**Alkalinity**	**Cl**	**Nitrate**	**SO4**	**Metals**	**)iss. Metal**	**SVOC**	**VOC**	**OCP**	**TKN**	**NH4**	**ClO4**	**ClO3**	**ClO4 (6860)**	10/01/2008	24/01/2008	24/01/2008	
Continuous Feed	09/01/2008	FBR SYS 1 FEED	45792	1							1								1	1	1			Logged in as 5 day			
Sampling #11	09/01/2008	FBR SYS 2 FEED	45793	1							1								1	1	1			Logged in as 5 day			
	09/01/2008	PBR SYS 1 FEED	45794	1							1								1	1	1			Logged in as 5 day			
	09/01/2008	PBR SYS 2 FEED	45795	1	SOLUBLE						1								1	1	1			Logged in as 5 day			
	09/01/2008	FBR SYS 1 SAND	45796	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	09/01/2008	FBR SYS 1 GAC	45797	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	09/01/2008	FBR SYS 2 SAND	45798	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	09/01/2008	FBR SYS 2 GAC	45799	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	09/01/2008	PBR SYS 1	45800	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	09/01/2008	PBR SYS 2	45801	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
Event	**Date**	**Sample**	**ART#**	**Total P**	**TOC**	**TSS**	**TVS**	**Cr6+**	**)iss. Cr6**	**Alkalinity**	**Cl**	**Nitrate**	**SO4**	**Metals**	**)iss. Metal**	**SVOC**	**VOC**	**OCP**	**TKN**	**NH4**	**ClO4**	**ClO3**	**ClO4 (6860)**	12/01/2008	23/01/2008	23/01/2008	
Comprehensive	11/01/2008	PBR SYS 1 FEED	45822					1	1					1	1	1	1	1						Logged in standard TAT			
Sampling	11/01/2008	PBR SYS 2 FEED	45823					1	1					1	1	1	1	1						Logged in standard TAT			
for PBR systems	11/01/2008	PBR SYS 1	45824					1	1					1	1	1	1	1						Logged in standard TAT			
	11/01/2008	PBR SYS 2	45825					1	1					1	1	1	1	1						Logged in standard TAT			
Event	**Date**	**Sample**	**ART#**	**Total P**	**TOC**	**TSS**	**TVS**	**Cr6+**	**)iss. Cr6**	**Alkalinity**	**Cl**	**Nitrate**	**SO4**	**Metals**	**)iss. Metal**	**SVOC**	**VOC**	**OCP**	**TKN**	**NH4**	**ClO4**	**ClO3**	**O4 (6860)**	15/01/2008	22/01/2008	22/01/2008	
Continuous Feed	14/01/2008	FBR SYS 1 FEED	45831	1							1								1	1	1			Logged in as 5 day			
Sampling #12	14/01/2008	FBR SYS 2 FEED	45832	1	SOLUBLE						1								1	1	1			Logged in as 5 day			
	14/01/2008	FBR SYS 1 SAND	45833	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	14/01/2008	FBR SYS 1 GAC	45834	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	14/01/2008	FBR SYS 2 SAND	45835	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	14/01/2008	FBR SYS 2 GAC	45836	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
Event	**Date**	**Sample**	**ART#**	**Total P**	**TOC**	**TSS**	**TVSS**	**Cr6+**	**)iss. Cr6**	**Alkalinity**	**Cl**	**Nitrate**	**SO4**	**Metals**	**)iss. Metal**	**SVOC**	**VOC**	**OCP**	**TKN**	**NH4**	**ClO4**	**ClO3**	**ClO4 (total**	**Ca,Mn,Mg**				
Continuous Feed	09/01/2008	EHC SYS 1 Feed	45802	1	1	1	1	1	1	1		anions		1	1	1	1	1	1	1	1	1		1	15/01/2008	22/01/2008	22/01/2008	others
Sampling #4	to	EHC SYS 2 Feed	45803	1	1	1	1	1	1	1		anions		1	1	1	1	1	1	1	1	1		1	Logged in as 5 day	24/01/2008	24/01/2008	Chlorate
	14/01/2008	EHC SYS 1 EHC	45804																				1		Logged in as 5 day			
		EHC SYS 1 Sand	45805	1	1	1	1	1	1	1		anions		1	1	1	1	1	1	1		1	1	1	Logged in as 5 day			
		EHC SYS 1 Aerobic	45806	1	1	1	1	1	1	1		anions		1	1	1	1	1	1	1		1	1	1	Logged in as 5 day			
		EHC SYS 1 Anaerobic	45807	1	1	1	1	1	1	1		anions		1	1	1	1	1	1	1		1	1	1	Logged in as 5 day			
		EHC SYS 2 EHC	45808																				1		Logged in as 5 day			
		EHC SYS 2 Sand	45809	1	1	1	1	1	1	1		anions		1	1	1	1	1	1	1		1	1	1	Logged in as 5 day			
		EHC SYS 2 Aerobic	45810	1	1	1	1	1	1	1		anions		1	1	1	1	1	1	1		1	1	1	Logged in as 5 day			
		EHC SYS 2 Anaerobic	45811	1	1	1	1	1	1	1		anions		1	1	1	1	1	1	1		1	1	1	Logged in as 5 day			
																									Logged in as 5 day			
		EHC SYS 1 Feed	45812																		1				Logged in as 5 day			
		EHC SYS 2 Feed	45813																		1				Logged in as 5 day			
		EHC SYS 1 EHC	45814																				1		Logged in as 5 day			
		EHC SYS 1 Sand	45815																				1		Logged in as 5 day			
		EHC SYS 1 Aerobic	45816																				1		Logged in as 5 day			
		EHC SYS 1 Anaerobic	45817																				1		Logged in as 5 day			
		EHC SYS 2 EHC	45818																				1		Logged in as 5 day			
		EHC SYS 2 Sand	45819																				1		Logged in as 5 day			
		EHC SYS 2 Aerobic	45820																				1		Logged in as 5 day			
		EHC SYS 2 Anaerobic	45821																				1		Logged in as 5 day			
Event	**Date**	**Sample**	**ART#**	**Total P**	**TOC**	**TSS**	**TVS**	**Cr6+**	**)iss. Cr6**	**Alkalinity**	**Cl**	**Nitrate**	**SO4**	**Metals**	**)iss. Metal**	**SVOC**	**VOC**	**OCP**	**TKN**	**NH4**	**ClO4**	**ClO3**	**ClO4 (6860)**	22/01/2008	24/01/2008	24/01/2008	
Continuous Feed	16/01/2008	PBR SYS 1 FEED	45853	1							1								1	1	1			Logged in as 5 day			
Sampling #12	16/01/2008	PBR SYS 2 FEED	45854	1	SOLUBLE						1								1	1	1			Logged in as 5 day			
	16/01/2008	PBR SYS 1	45855	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	16/01/2008	PBR SYS 2	45856	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
Event	**Date**	**Sample**	**ART#**	**Total P**	**TOC**	**TSS**	**TVS**	**Cr6+**	**)iss. Cr6**	**Alkalinity**	**Cl**	**Nitrate**	**SO4**	**Metals**	**)iss. Metal**	**SVOC**	**VOC**	**OCP**	**TKN**	**NH4**	**ClO4**	**ClO3**	**ClO4 (6860)**	22/01/2008	29/01/2008	29/01/2008	
Continuous Feed	21/01/2008	FBR SYS 1 FEED	45862	1							1								1	1	1			Logged in as 5 day			
Sampling #13	21/01/2008	FBR SYS 2 FEED	45863	1							1								1	1	1			Logged in as 5 day			
	21/01/2008	PBR SYS 1 FEED	45864	1							1								1	1	1			Logged in as 5 day			
	21/01/2008	PBR SYS 2 FEED	45865	1	SOLUBLE						1								1	1	1			Logged in as 5 day			
	21/01/2008	FBR SYS 1 SAND	45866	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	21/01/2008	FBR SYS 1 GAC	45867	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	21/01/2008	FBR SYS 2 SAND	45868	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	21/01/2008	FBR SYS 2 GAC	45869	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	21/01/2008	PBR SYS 1	45870	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
	21/01/2008	PBR SYS 2	45871	1	1	1	1				1	1							1		1	1		Logged in as 5 day			
Event	**Date**	**Sample**	**ART#**	**Total P**	**TOC**	**TSS**	**TVS**	**Cr6+**	**)iss. Cr6**	**Alkalinity**	**Cl**	**Nitrate**	**SO4**	**Metals**	**)iss. Metal**	**SVOC**	**VOC**	**OCP**	**TKN**	**NH4**	**ClO4**	**ClO3**	**ClO4 (6860)**	23/01/2008	31/01/2008	31/01/2008	
Comprehensive	22/01/2008	FBR SYS 1 FEED	45873					1	1					1	1	1	1	1						Logged in as 7 day			
Sampling	22/01/2008	FBR SYS 2 FEED	45874					1	1					1	1	1	1	1						Logged in as 7 day			
for FBR systems	22/01/2008	FBR SYS 1 SAND	45875					1	1					1	1	1	1	1						Logged in as 7 day			
	22/01/2008	FBR SYS 1 GAC	45876					1	1					1	1	1	1	1						Logged in as 7 day			
	22/01/2008	FBR SYS 2 SAND	45877					1	1					1	1	1	1	1						Logged in as 7 day			
	22/01/2008	FBR SYS 2 GAC	45878					1	1					1	1	1	1	1						Logged in as 7 day			
Event	**Date**	**Sample**	**ART#**	**Total P**	**TOC**	**TSS**	**TVS**	**Cr6+**	**)iss. Cr6**	**Alkalinity**	**Cl**	**Nitrate**	**SO4**	**Metals**	**)iss. Metal**	**SVOC**	**VOC**	**OCP**	**TKN**	**NH4**	**ClO4**	**ClO3**	**ClO4 (6860)**	07/02/2008	15/02/2008	14/02/2008	others
PBR Jan.25th	07/02/2008	PBR SYS 1 Eff. Jan 25th	45972		1	SOLUBLE															1	1	1	Logged in as 5 day		21/02/2008	chlorate
Effluent Sampling	07/02/2008	PBR SYS 2 Eff. Jan 25th	45973		1	SOLUBLE															1	1	1	Logged in as 5 day			

25/02/2008	Requested analysis of Method 6860 samples submitted on Feb. 07/08	Logged in as 5 day	03/03/2008	Method 6860

AAI7-062.1 Baseline Sampling

Initial Sampling
11/04/2007

Parameter	Units	Blended (Drum #7) 44393	MWA-30 (Drum #1) 44394	MWA-17Si (Drum #4) 44395	MWA-23 (Drum #13) 44396
Inorganic Analysis					
Alkalinity	mg/L	200	560	nd (5)	200
Hexavalent Chromium	mg/L	nd (0.020)	nd (0.020)	nd (0.020)	nd (0.020)
Chloride	mg/L	1,600 Q	46,000 Q	1,500 Q	29
Perchlorate	ug/L	3,200 Q	nd (50) G	4,800 Q	nd (1)
Chlorate	mg/L	45.5	nd (10)	24.5	nd (0.4)
Nitrate an N	mg/L	nd (2.5) G	nd (25) G	1.2 B,G	nd (0.5)
Sulfate	mg/L	1,300 Q	540 Q	3,900 Q	25
Nitrogen, Ammonia	mg/L	5.2	1.4 G	8.6 Q	1.3
Total Phosphate (as P)	mg/L	0.18	0.2	0.037 B	0.73 V
Total Kjeldahl Nitrogen	mg/L	6.1	1.7	10 Q	2
Total Organic Carbon	mg/L	10	36 Q	32	7.2
TSS	mg/L	220 Q	140 Q	43 G	43 G
TVS	mg/L	48 Q	34 Q	14 G	10 G

		FILTERED (0.45 micron)			
		Blended (Drum #7) 44397	MWA-30 (Drum #1) 44398	MWA-17Si (Drum #4) 44399	MWA-23 (Drum #13) 44400
Dissolved					
Hexavalent Chromium		nd (0.020)	nd (0.020)	nd (0.020)	nd (0.020)
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ICP Metals	Units	Blended (Drum #7) 44393	MWA-30 (Drum #1) 44394	MWA-17Si (Drum #4) 44395	MWA-23 (Drum #13) 44396
Silver	ug/L	nd (10)	nd (50)	nd (10)	nd (10)
Arsenic	ug/L	nd (15)	nd (75)	nd (15)	7.5 B
Calcium	ug/L	73,000	77,000	580,000	70,000
Cadmium	ug/L	5.6	2.7 B	3.5 B	nd (5)
Chromium	ug/L	nd (10)	1,400	1,100	3.4 B
Copper	ug/L	nd (15)	nd (75)	29	nd (15)
Iron	ug/L	140,000	58,000	190,000	40,000
Nickel	ug/L	nd (40)	90 B	1,800	nd (40)
Lead	ug/L	nd (9)	nd (45)	nd (9)	nd (9)
Selenium	ug/L	nd (15)	nd (75)	nd (15)	nd (15)
Zinc	ug/L	63	36 B	720	8.9 B

ICP Dissolved Metals	Blended (Drum #7) 44397	MWA-30 (Drum #1) 44398	MWA-17Si (Drum #4) 44399	MWA-23 (Drum #13) 44400
Silver	nd (10)	nd (10)	nd (10)	nd (10)
Arsenic	nd (15)	nd (15)	nd (15)	nd (15)
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Cadmium	4 B	2.4 B	2.4 B	nd (5)
Chromium	nd (10)	15	830	nd (10)
Copper	nd (15)	nd (15)	30	nd (15)
Iron	110,000	34,000	260,000	140
Nickel	nd (40)	83	1,700	nd (40)
Lead	nd (9)	nd (9)	nd (9)	nd (9)
Selenium	nd (15)	nd (15)	nd (15)	nd (15)
Zinc	49	61	690	nd (20)

Volatile Organics	Units	Blended (Drum #7) 44393	MWA-30 (Drum #1) 44394	MWA-17Si (Drum #4) 44395	MWA-23 (Drum #13) 44396
Xylenes (total)	ug/L	nd (80)	nd (2)	nd (4000)	nd (2)
Acrolein	ug/L	nd (800)	nd (20)	nd (40000)	nd (20)
Acrylonitrile	ug/L	nd (800)	nd (20)	nd (40000)	nd (20)
Benzene	ug/L	nd (40)	nd(1)	nd (2000)	nd(1)
Bromodichloromethane	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)
Bromoform	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)
Bromomethane	ug/L	nd (80)	nd (2)	nd (4000)	nd (2)
Carbon Tetrachloride	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)
Chlorobenzene	ug/L	1,700	0.78 J	38,000	nd (1)
Dibromochloromethane	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)
Chloroethane	ug/L	24 J	nd (2)	nd (4000)	nd (2)
2-Chloroethyl vinyl ether	ug/L	nd (120)	nd (3)	nd (6000)	nd (3)
Chloroform	ug/L	9.9 J	3.2	nd (2000)	nd (1)
Chloromethane	ug/L	nd (80)	nd (2)	nd (4000)	nd (2)
1,2-Dichlorobenzene	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)
1,3-Dichlorobenzene	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)
1,4-Dichlorobenzene	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)
Dichlorodifluoromethane	ug/L	nd (80)	nd (2)	nd (4000)	nd (2)
1,1-Dichloroethane	ug/L	nd (40)	nd (1)	nd (2000)	0.27 J
1,2-Dichloroethane	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)
cis-1,2-Dichloroethene	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)
trans-1,2-Dichloroethene	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)
1,1-Dichloroethene	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)
1,2-Dichloropropane	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)
cis-1,3-Dichloropropene	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)
trans-1,3-Dichloropropene	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)
Ethylbenzene	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)
Methylene Chloride	ug/L	nd (200)	nd (5)	nd (10000)	nd (5)
1,1,2,2-Tetrachloroethane	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)
Tetrachloroethene	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)
Toluene	ug/L	nd (40)	0.39 J	nd (2000)	48
1,1,1-Trichloroethane	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)
1,1,2-Trichloroethane	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)
Trichloroethene	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)
Trichlorofluoromethane	ug/L	nd (80)	nd (2)	nd (4000)	nd (2)
Vinyl chloride	ug/L	nd (40)	nd (1)	nd (2000)	nd (1)

Organochlorine Pesticides	Units	Blended (Drum #7) 44393	MWA-30 (Drum #1) 44394	MWA-17Si (Drum #4) 44395	MWA-23 (Drum #13) 44396
4,4'-DDD	ug/L	0.027 J, COL	nd (0.11)	nd (1.1)	nd (0.11)
4,4'-DDE	ug/L	nd (0.040)	nd (0.040)	0.090 J, COL	nd (0.040)
4,4'-DDT	ug/L	0.015 J, COL	nd (0.12)	nd (1.2)	nd (0.12)
Aldrin	ug/L	nd (0.040)	nd (0.040)	0.063 J, COL	nd (0.040)
alpha-BHC	ug/L	nd (0.030)	nd (0.030)	nd (0.30)	nd (0.030)
beta-BHC	ug/L	0.035 J, COL	nd (0.060)	nd (0.60)	nd (0.060)
Chlordane (technical)	ug/L	nd (0.14)	nd (0.14)	nd (1.4)	nd (0.14)
delta-BHC	ug/L	nd (0.090)	0.017 J, COL	0.10 J, COL	nd (0.090)
Dieldrin	ug/L	nd (0.020)	nd (0.020)	nd (0.2)	nd (0.020)
Endosulfan I	ug/L	nd (0.020)	nd (0.020)	nd (0.2)	nd (0.020)
Endosulfan II	ug/L	nd (0.040)	nd (0.040)	nd (0.4)	nd (0.040)
Endosulfan sulfate	ug/L	nd (0.66)	nd (0.66)	nd (6.6)	nd (0.66)
Endrin	ug/L	nd (0.060)	nd (0.060)	nd (0.60)	nd (0.060)
Endrin aldehyde	ug/L	nd (0.23)	nd (0.23)	nd (2.3)	nd (0.23)
Endrin ketone	ug/L	nd (0.10)	nd (0.10)	nd (1)	nd (0.10)
gamma-BHC (Lindane)	ug/L	nd (0.040)	nd (0.040)	0.16 J, COL	nd (0.040)
Heptachlor	ug/L	nd (0.030)	nd (0.030)	nd (0.30)	nd (0.030)
Heptachlor epoxide	ug/L	nd (0.080)	nd (0.080)	nd (0.80)	nd (0.080)
Methoxychlor	ug/L	0.059 J	nd (1.8)	nd (18)	nd (1.8)
Toxaphene	ug/L	nd (2.5)	nd (2.5)	nd (25)	nd (2.5)

Semivolatile Organic Com	Units	Blended (Drum #7) 44393	MWA-30 (Drum #1) 44394	MWA-17Si (Drum #4) 44395	MWA-23 (Drum #13) 44396
Acenaphthene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Acenaphthylene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Anthracene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Benzidine	ug/L	nd (150)	nd (150)	nd (150)	nd (150)
Benzo(a)anthracene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Benzo(b)Fluoranthene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Benzo(k)Fluoranthene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Benzo(g,h,i)perylene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Benzo(a)pyrene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
bis(2-Chloroethoxy)methan	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
bis(2-Chloroethyl)ether	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
bis(2-Chloroisopropyl)ether	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
bis(2-Ethylhexyl)phthalate	ug/L	3.1 J	3.2 J	nd (10)	2.9 J
4-bromophenyl phenyl ethe	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Butyl benzyl phthalate	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
4-Chloroaniline	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
4-Chloro-3-methylphenol	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
2-Chloronaphthalene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
2-Chlorophenol	ug/L	43	nd (10)	450	nd (10)
4-Chlorophenyl phenyl ethe	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Chrysene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Dibenzo(a,h)anthracene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Di-n-butyl phthalate	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
1,2-Dichlorobenzene	ug/L	nd (10)	nd (10)	5.9 J	nd (10)
1,3-Dichlorobenzene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
1,4-Dichlorobenzene	ug/L	nd (10)	nd (10)	18	nd (10)
3,3'-Dichlorobenzidine	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
2,4-Dichlorophenol	ug/L	nd (10)	nd (10)	6.0 J	nd (10)
Diethyl phthalate	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
2,4-Dimethylphenol	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Dimethyl phthalate	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
4,6-Dinitro-2-methylphenol	ug/L	nd (60)	nd (60)	nd (60)	nd (60)
2,4-Dinitrophenol	ug/L	nd (60)	nd (60)	nd (60)	nd (60)
2,4-Dinitrotoluene	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
2,6-Dinitrotoluene	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
Di-n-octyl phthalate	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
1,2-Diphenylhydrazine (as A	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Fluoranthene	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
Fluorene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Hexachlorobenzene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Hexachlorobutadiene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Hexachlorocyclopentadiene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Hexachloroethane	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Indeno(1,2,3-cd)pyrene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Isophorone	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Naphthalene	ug/L	nd (10)	nd (10)	1.6 J	nd (10)
Nitrobenzene	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
2-Nitrophenol	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
4-Nitrophenol	ug/L	nd (50)	nd (50)	nd (50)	nd (50)
N-Nitrosodimethylamine	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
N-Nitrosodiphenylamine	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
N-Nitrosodi-n-propylamine	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
Pentachlorophenol	ug/L	nd (60)	nd (60)	nd (60)	nd (60)
Phenanthrene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Phenol	ug/L	nd (10)	nd (10)	10	nd (10)
Pyrene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
1,2,4-Trichlorobenzene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)

2,4,6-Trichlorophenol	ug/L	nd (20)	nd (20)	nd (20)	nd (20)

nd = non detect
Q = Elevated reporting limit. The reporting limit is elevated due to high analyte levels.
G = Elevated reporting limit. The reporting limit is elevated due to matrix interference.
B = Estimated result. Result is less than RL
J = Estimated result. Result is less than RL
V = Elevated reporting limit. The reporting limit is elevated due to limited sample volume.
COL = More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.
STL filtered samples due to matrix interference.

Parameter	Units	Blended (Drum #7) 44393	MWA-30 (Drum #1) 44394	MWA-17Si (Drum #4) 44395	MWA-23 (Drum #13) 44396
Laboratory (ART)					
pH	pH units	6.54	6.58	4.81	7.17
ORP	mV	-45	-57	146	-19
DO	%	58.2	95.7	93.1	83.4
SC	mS	7.38	100.5	9.647	0.542
Perchlorate	mg/L	3.9	1	11	1
Nitrate	mg/L	17	39	7.3	0.51
Temperature*	C	19.5	19.3	19.4	19.6

* samples were brought to room temperature prior to measuring laboratory parameters at ART

AAI7-062.1 ZVI Batch Test

Started : 30-Apr-07

CONTROL

Sample #	Time (h)	Concentration (ppm)	
		ClO4	ClO3
44476	1	3	37.4
44480	3	3.1	37.5
44484	8	3.3	37.2
44488	24	3	37.1

ATOMET 414

Sample #	Time (h)	Concentration (ppm)	
		ClO4	ClO3
44477	1	3	36.8
44481	3	3.1	33.8
44485	8	3	26.8
44489	24	2.8	12.4

H2OMET 56

Sample #	Time (h)	Concentration (ppm)	
		ClO4	ClO3
44478	1	3	37.8
44482	3	3	36.4
44486	8	3	34.7
44490	24	3.1	29.4

H2OMET 57

Sample #	Time (h)	Concentration (ppm)	
		ClO4	ClO3
44479	1	3	37.6
44483	3	3	36.7
44487	8	3.1	35.1
44491	24	3	31.4

AAI7-062.1 Jar Test

Parameter	Units	Blended GW	Blended GW Filtered (0.45 micron)	NaOH, pH 8, aerated	NaOH, pH 8, aerated, filtered	NaOH, pH 9, aerated	NaOH, pH 9, aerated, filtered	NaOH, pH 10, aerated	NaOH, pH 10, aerated, filtered	NaOH, pH 11, aerated	NaOH, pH 11, aerated, filtered	Ca(OH)2, pH 8, aerated	Ca(OH)2, pH 8, aerated, filtered	Ca(OH)2, pH 9, aerated	Ca(OH)2, pH 9, aerated, filtered	Ca(OH)2, pH 10, aerated	Ca(OH)2, pH 10, aerated, filtered	Ca(OH)2, pH 11, aerated	Ca(OH)2, pH 11, aerated, filtered
		Blended GW	Blended GW Filtered (0.45 micron)	Jar 1	Jar 1 Filtered (0.45 micron)	Jar 2	Jar 2 Filtered (0.45 micron)	Jar 3	Jar 3 Filtered (0.45 micron)	Jar 4	Jar 4 Filtered (0.45 micron)	Jar 5	Jar 5 Filtered (0.45 micron)	Jar 6	Jar 6 Filtered (0.45 micron)	Jar 7	Jar 7 Filtered (0.45 micron)	Jar 8	Jar 8 Filtered (0.45 micron)
Parameter	**Units**	**44526**	**44527**	**44528**	**44529**	**44530**	**44531**	**44532**	**44533**	**44534**	**44535**	**44536**	**44537**	**44538**	**44539**	**44540**	**44541**	**44542**	**44543**
Silver	**ug/L**	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)
Arsenic	**ug/L**	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)
Cadmium	**ug/L**	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)
Chromium	**ug/L**	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)
Copper	**ug/L**	nd (15)	nd (15)	nd (15)	nd (15)	**40**	nd (15)	nd (15)	**27**	**27**	**24**	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)
Iron	**ug/L**	**150,000**	**41,000**	**11,000**	nd (100)	**7,900**	nd (100)	**7,200**	nd (100)	**2,400**	nd (100)	**11,000**	nd (100)	**11,000**	nd (100)	**5,900**	nd (100)	**6,700**	nd (100)
Nickel	**ug/L**	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)
Lead	**ug/L**	nd (9.0)	nd (9.0)	nd (9.0)	nd (9.0)	**8.4 B**	nd (9.0)	nd (9.0)	**6.6 B**	nd (9.0)	**3.0 B**	nd (9.0)	nd (9.0)	nd (9.0)	nd (9.0)	nd (9.0)	nd (9.0)	nd (9.0)	nd (9.0)
Selenium	**ug/L**	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)
Zinc	**ug/L**	**27 J**	**14 B**	**6.9 B,J**	**6.5 B**	**36 J**	**6.8 B**	**8.6 B,J**	**25**	**7.0 B,J**	**22**	**9.2 B,J**	**6.9 B**	**7.5 B,J**	**7.8 B**	**6.3 B,J**	**6.2 B**	**8.1 B,J**	**8.2 B**
TSS	**mg/L**	**280 V**		**21 V**		**35 V**		**28 V**		**8.0 B,V**		**36 V**		**24 V**		**27 V**		**24 V**	

Parameter	Units	NaOH, pH 8	NaOH, pH 8, filtered	NaOH, pH 9	NaOH, pH 9, filtered	NaOH, pH 10	NaOH, pH 10, filtered	NaOH, pH 11	NaOH, pH 11, filtered	Ca(OH)2, pH 8	Ca(OH)2, pH 8, filtered	Ca(OH)2, pH 9	Ca(OH)2, pH 9, filtered	Ca(OH)2, pH 10
		Jar 9	Jar 9 Filtered (0.45 micron)	Jar 10	Jar 10 Filtered (0.45 micron)	Jar 11	Jar 11 Filtered (0.45 micron)	Jar 12	Jar 12 Filtered (0.45 micron)	Jar 13	Jar 13 Filtered (0.45 micron)	Jar 14	Jar 14 Filtered (0.45 micron)	Jar 15
Parameter	**Units**	**44544**	**44545**	**44546**	**44547**	**44548**	**44549**	**44550**	**44551**	**44552**	**44553**	**44554**	**44555**	**44556**
Silver	**ug/L**	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)
Arsenic	**ug/L**	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)
Cadmium	**ug/L**	nd (5)	nd (5)	nd (5)	**0.49 B**	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)
Chromium	**ug/L**	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)
Copper	**ug/L**	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	**24**
Iron	**ug/L**	**3,800**	nd (100)	**11,000**	nd (100)	**4,900**	nd (100)	**3,200**	nd (100)	**5,000**	nd (100)	**4,000**	nd (100)	**2,200**
Nickel	**ug/L**	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)
Lead	**ug/L**	nd (9.0)	nd (9.0)	nd (9.0)	nd (9.0)	nd (9.0)	nd (9.0)	nd (9.0)	nd (9.0)	nd (9.0)	nd (9.0)	nd (9.0)	nd (9.0)	nd (9.0)
Selenium	**ug/L**	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)
Zinc	**ug/L**	**6.7 B,J**	**6.6 B**	**9.6 B,J**	**9.2 B**	**6.5 B,J**	**5.5 B**	**7.5 B,J**	**6.6 B**	**8.5 B,J**	**6.8 B**	**5.3 B,J**	**7.9 B**	**20 J**
TSS	**mg/L**	**4.0 B,V**		**35 V**		**110 V**		**140 V**		**12 B,V**		**20 V**		**15 V**

B = estimated result. Result is less than RL
J = Method blank contamination. The associated method blank contains the target analyte at a reportable level
V = elevated reporting limit due to limited sample volume.

ARTI #	**44526**	**44528**	**44530**	**44532**	**44534**	**44536**	**44538**	**44540**	**44542**	**44544**	**44546**	**44548**	**44550**	**44552**	**44554**	**44556**
pH	6.85	8.22	8.75	9.82	10.78	8.1	8.28	9.67	10.65	7.96	8.93	9.84	10.74	7.91	8.65	9.85
ORP (mV)	-30.3	189.5	164.6	125.3	107.5	189.6	211	183.6	121.5	141.1	120.7	131.3	110.2	92.6	128	105.5
DO (%)	60.1	83.1	81.9	83.2	82	82.3	98.4	85.8	98.7	31.3	30.4	29.8	33.6	26.3	33.7	30.8
Conductivity (mS)	7.457	7.735	7.616	7.817	8.271	7.608	7.358	7.242	7.385	7.562	7.606	7.852	8.238	7.468	7.297	7.213
Temperature (oC)	19.2	20.1	21.5	21.4	20	20.3	20.8	20.9	20.9	21.2	21.3	21.4	21.4	22.3	22.8	22.9
Perchlorate (ppm)	2.38	2.64	2.63	2.57	2.54	2.36	2.34	2.56	2.57	3	2.9	3.1	2.8	2.8	3.2	2.6
Turbidity (NTU)	891	77.3	110	50.8	42.8	189	106	79.6	67.4	7.22	24.2	15.2	15.3	30.9	32.2	16

Ca(OH)2, pH 10, filtered	Ca(OH)2, pH 11	Ca(OH)2, pH 11, filtered	Control, aerated	Control, aerated, filtered	Control	Control, filtered
Jar 15 Filtered (0.45 micron) 44557	**Jar 16 44558**	**Jar 16 Filtered (0.45 micron) 44559**	**Jar 17 44560**	**Jar 17 Filtered (0.45 micron) 44561**	**Jar 18 44562**	**Jar 18 Filtered (0.45 micron) 44563**
nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)
nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)
nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)
nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)
nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)
nd (100)	**1,600**	nd (100)	**40,000**	**9,700**	**42,000**	**32,000**
nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)	nd (40)
nd (9.0)	nd (9.0)	nd (9.0)	nd (9.0)	nd (9.0)	nd (9.0)	nd (9.0)
nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)
6.6 B	**7.7 B,J**	**7.2 B**	**13 B,J**	**10 B**	**14 B,J**	**14 B**
	60 V		**73 V**		**71 V**	

44558	**44560**	**44562**
10.8	6.94	6.4
70.6	-24.5	-32.2
32.6	86.1	51
7.481	7.377	7.35
22.6	21	22.2
2.7	2.14	2.2
37.1	324	78.1

AAI7-062.1 Jar Test II (selected jars repeated)

Parameter	Units	No Aeration or pH adjustment		No aeration; pH=8		Aeration before pH adjustment; pH=8		Aeration after pH adjustment; pH=8	
		Jar 1	Jar 1 Filtered (0.45 micron)	Jar 2	Jar 2 Filtered (0.45 micron)	Jar 3	Jar 3 Filtered (0.45 micron)	Jar 4	Jar 4 Filtered (0.45 micron)
Parameter	**Units**	**44817**	**44821**	**44818**	**44822**	**44819**	**44823**	**44820**	**44824**
Silver	**ug/L**	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)
Arsenic	**ug/L**	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)
Cadmium	**ug/L**	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)
Chromium	**ug/L**	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)
Copper	**ug/L**	nd (15)	**30**	**15**	nd (15)	**6.0 B**	nd (15)	**5.8B**	nd (15)
Iron	**ug/L**	**160,000**	**120,000**	**67,000**	**51,000**	**11,000**	nd (100)	**17,000**	nd (100)
Nickel	**ug/L**	nd (40)	nd (40)	**43**	nd (40)	**33B**	nd (40)	**29B**	nd (40)
Lead	**ug/L**	**2.7B**	**2.7B**	nd (9)	nd (9)	nd (9)	nd (9)	nd (9)	nd (9)
Selenium	**ug/L**	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)
Zinc	**ug/L**	**14B**	**77**	**25**	**21**	**17B**	**6.1B**	**23**	**9.5B**
TSS	**mg/L**	**240Q**		**140**		**50**		**44**	

B = estimated result. Result is less than RL
Q = elevated reporting limit due to high analyte levels

ARTI #	**44817**	**44818**	**44819**	**44820**
pH	6.44	8.06	8.92	7.91
Turbidity (NTU)	443	38.2	32	79.6

AAI7-062.1 Jar Test III

Parameter	Units	Blended GW (Pail 4 of 10 - Drum 10)	Blended GW (Pail 4 of 10 - Drum 10) Filtered	MWA-17Si (Pail 2 of 7 - Drum 4) Filtered	Jar 3 After aeration/pH adj/polymer/settling	Jar 3 After aeration/pH adj/polymer/settling + 25 micron filtering
Parameter	**Units**	**45045**	**45046**	**45047**	**45048**	**45049**
Silver	**ug/L**	nd (10)	nd (10)	nd (10)	nd (10)	nd (10)
Arsenic	**ug/L**	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)
Cadmium	**ug/L**	nd (5)	nd (5)	nd (5)	nd (5)	nd (5)
Chromium	**ug/L**	nd (10)	nd (10)	**21**	nd (10)	nd (10)
Copper	**ug/L**	nd (15)	**5.5 B**	nd (15)	nd (15)	nd (15)
Iron	**ug/L**	**170,000**	**79,000 L**	**250,000 L**	**940**	**140**
Nickel	**ug/L**	nd (40)	nd (40)	**850**	nd (40)	nd (40)
Lead	**ug/L**	nd (9)	nd (9)	nd (9)	nd (9)	nd (9)
Selenium	**ug/L**	nd (15)	nd (15)	nd (15)	nd (15)	nd (15)
Zinc	**ug/L**	**31 J**	**19 B,J**	**390 J**	**8.5 B,J**	**8.3 B,J**

Notes:
J = Method blank contamination. The associated method blank contains the target analyte at a reportable level
B = estimated result. Result is less than RL
L = serial dilution of digestate in the analytical batch indicates that physical and chemical interferences are present

AAI7-062.1 - FBR & PBR Sampling #1 - September 10, 2007

	Perchlorate ug/L	Chlorate mg/L	Sulfate mg/L	Nitrate mg/L	Ammonia-N mg/L	TKN mg/L	TP mg/L	TOC mg/L
FBR System #1 - 1,600 ppm Cl	45 Q	4.05	1400 Q	0.29 B,G	22 Q	25 Q	55 J,Q	0.3 B
FBR System #2 - 8,000 ppm Cl	68 G	5.66	1200 Q	0.55 B,G	24 Q	21 Q	39 J,Q	0.68 B
PBR System #1 - 1,600 ppm Cl	2600 Q	12.9	1300 Q	0.22 B,G	31 Q	33 Q	160 J,Q	5.9
PBR System #2 - 8,000 ppm Cl	2000 Q	6.31	1200 Q	ND (5) G	33 Q	40 Q	130 J,Q	8.9

RL = Reporting limit
Q = Elevated reporting limit due to high analyte levels
B = Estimated result. Result is less than RL
J = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
G = Elevated reporting limit due to matrix interference.

AAI7-062.1 - FBR & PBR Sampling #2 - September 18, 2007

	Perchlorate ug/L	Chlorate mg/L	Sulfate mg/L	Nitrate mg/L	Ammonia-N mg/L	TKN mg/L	TP mg/L	TOC mg/L
FBR System #1 - 1,600 ppm Cl	41 Q	3.23	1400 Q	0.49 B,G	12 Q	12 Q	36 Q	ND (1)
FBR System #2 - 8,000 ppm Cl	58 G	4.91	1300 Q	1.0 B,G	9.4 Q	7.8 Q	27 Q	ND (1)
PBR System #1 - 1,600 ppm Cl	2800 Q	14.9	1400 Q	ND (2.5) G	23 Q	25 Q	99 Q	4.7
PBR System #2 - 8,000 ppm Cl	2300 Q	8.17	1200 Q	ND (5) G	25 Q	24 Q	130 Q	7

RL = Reporting limit
Q = Elevated reporting limit due to high analyte levels
B = Estimated result. Result is less than RL
J = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
G = Elevated reporting limit due to matrix interference.

AAI7-062.1 - FBR & PBR Sampling #3 - October 1, 2007

	Perchlorate ug/L	Chlorate mg/L	Sulfate mg/L	Nitrate mg/L	Ammonia-N mg/L	TKN mg/L	TP mg/L	TOC mg/L
FBR System #1 - 1,600 ppm Cl	26G	ND (0.8)	1300 Q	ND (2.5) G	0.041 B	0.62	13 Q	55
FBR System #2 - 8,000 ppm Cl	100 G	ND (2)	1100 Q	ND (5) G	ND (0.10)	1.6	11 Q	66
PBR System #1 - 1,600 ppm Cl	ND (5) G	ND (0.8)	1200 Q	ND (2.5) G	0.2	6.5	25 Q	83
PBR System #2 - 8,000 ppm Cl	ND (20) G	ND (2)	1100 Q	ND (5) G	0.070 B	3.9	4.5 Q	110

RL = Reporting limit
Q = Elevated reporting limit due to high analyte levels
B = Estimated result. Result is less than RL
J = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
G = Elevated reporting limit due to matrix interference.

AAI7-062.1 Continuous Feed Baseline Sampling

Initial Sampling
10/02/2007

Parameter	Units	1600 ppm Cl Feed 45453	8000 ppm Cl Feed 45454	1600 ppm Cl Feed chem pre-treated 45455	8000 ppm Cl Feed chem pre-treated 45456
Inorganic Analysis					
Perchlorate	ug/L	2900 Q	2500 Q	3000 Q	2600 Q
Chlorate	mg/L	18.8	15	19.2	14.8
Nitrate an N	mg/L	ND (2.5) G	ND (5) G	ND (2.5) G	ND (5) G
Sulfate	mg/L	1300 Q	1200 Q	1300 Q	1200 Q
Nitrogen, Ammonia	mg/L	4.3	3.9	5	4.5
Total Phosphate (as P)	mg/L	0.59	0.99	ND (0.045)	0.034 B
Total Kjeldahl Nitrogen	mg/L	5.7	5.4	5.4	5.3
Total Organic Carbon	mg/L	11	15	9.6	12

ICP Metals	Units	1600 ppm Cl Feed 45453	8000 ppm Cl Feed 45454	1600 ppm Cl Feed chem pre-treated 45455	8000 ppm Cl Feed chem pre-treated 45456
Silver	ug/L	nd (10)	nd (10)	nd (10)	2.9 B
Arsenic	ug/L	nd (15)	nd (15)	nd (15)	10 B
Cadmium	ug/L	nd (5)	nd (5)	nd (5)	nd (5)
Chromium	ug/L	2.9 B	97	nd (10)	6.7 B
Copper	ug/L	nd (15)	nd (15)	nd (15)	nd (15)
Iron	ug/L	150,000	130,000	4,600	7,800
Nickel	ug/L	nd (40)	8.4 B	nd (40)	nd (40)
Lead	ug/L	nd (9)	nd (9)	nd (9)	nd (9)
Selenium	ug/L	nd (15)	nd (15)	nd (15)	nd (15)
Zinc	ug/L	16 B,J	15 B,J	5.8 B,J	8.1 B, J

Volatile Organics	Units	1600 ppm Cl Feed 45453	8000 ppm Cl Feed 45454	1600 ppm Cl Feed chem pre-treated 45455	8000 ppm Cl Feed chem pre-treated 45456
Acrolein	ug/L	ND (800)	ND (800)	ND (200)	ND (200)
Acrylonitrile	ug/L	ND (800)	ND (800)	ND (200)	ND (200)
Benzene	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
Bromodichloromethane	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
Bromoform	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
Bromomethane	ug/L	ND (80)	ND (80)	ND (20)	ND (20)
Carbon Tetrachloride	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
Chlorobenzene	ug/L	950	640	280	300
Dibromochloromethane	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
Chloroethane	ug/L	33 J	25 J	6.3 J	6.5 J
2-Chloroethyl vinyl ether	ug/L	ND (120)	ND (120)	ND (30)	ND (30)
Chloroform	ug/L	11 J	8.3 J	3.3 J	3.6 J
Chloromethane	ug/L	ND (80)	ND (80)	ND (20)	ND (20)
1,2-Dichlorobenzene	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
1,3-Dichlorobenzene	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
1,4-Dichlorobenzene	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
Dichlorodifluoromethane	ug/L	ND (80)	ND (80)	ND (20)	ND (20)
1,1-Dichloroethane	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
1,2-Dichloroethane	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
cis-1,2-Dichloroethene	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
trans-1,2-Dichloroethene	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
1,1-Dichloroethene	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
1,2-Dichloropropane	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
cis-1,3-Dichloropropene	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
trans-1,3-Dichloropropene	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
Ethylbenzene	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
Trichlorofluoromethane	ug/L	ND (80)	ND (80)	ND (20)	ND (20)
Methylene Chloride	ug/L	ND (200)	ND (200)	ND (50)	ND (50)
1,1,2,2-Tetrachloroethane	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
Tetrachloroethene	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
Toluene	ug/L	32 J	21 J	7.8 J	8.2 J
1,1,1-Trichloroethane	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
1,1,2-Trichloroethane	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
Trichloroethene	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
Vinyl chloride	ug/L	ND (40)	ND (40)	ND (10)	ND (10)
Xylenes (total)	ug/L	ND (80)	ND (80)	ND (20)	ND (20)

Organochlorine Pesticides	Units	1600 ppm Cl Feed 45453	8000 ppm Cl Feed 45454	1600 ppm Cl Feed chem pre-treated 45455	8000 ppm Cl Feed chem pre-treated 45456
4,4'-DDD	ug/L	nd (0.11)	nd (0.11)	nd (0.11)	nd (0.11)
4,4'-DDE	ug/L	nd (0.040)	nd (0.040)	nd (0.040)	nd (0.040)
4,4'-DDT	ug/L	nd (0.12)	nd (0.12)	nd (0.12)	nd (0.12)
Aldrin	ug/L	nd (0.040)	nd (0.040)	nd (0.040)	nd (0.040)
alpha-BHC	ug/L	nd (0.030)	nd (0.030)	nd (0.030)	nd (0.030)
beta-BHC	ug/L	nd (0.060)	nd (0.060)	nd (0.060)	nd (0.060)
Chlordane (technical)	ug/L	nd (0.14)	nd (0.14)	nd (0.14)	nd (0.14)
delta-BHC	ug/L	nd (0.090)	nd (0.090)	nd (0.090)	nd (0.090)
Dieldrin	ug/L	nd (0.020)	nd (0.020)	nd (0.020)	nd (0.020)
Endosulfan I	ug/L	nd (0.020)	nd (0.020)	nd (0.020)	nd (0.020)
Endosulfan II	ug/L	nd (0.040)	nd (0.040)	nd (0.040)	nd (0.040)
Endosulfan sulfate	ug/L	nd (0.66)	nd (0.66)	nd (0.66)	nd (0.66)
Endrin	ug/L	nd (0.060)	nd (0.060)	nd (0.060)	nd (0.060)
Endrin aldehyde	ug/L	nd (0.23)	nd (0.23)	nd (0.23)	nd (0.23)
Endrin ketone	ug/L	nd (0.10)	nd (0.10)	nd (0.10)	nd (0.10)
gamma-BHC (Lindane)	ug/L	nd (0.040)	nd (0.040)	nd (0.040)	nd (0.040)
Heptachlor	ug/L	nd (0.030)	nd (0.030)	nd (0.030)	nd (0.030)
Heptachlor epoxide	ug/L	nd (0.080)	nd (0.080)	nd (0.080)	nd (0.080)
Methoxychlor	ug/L	nd (1.8)	nd (1.8)	nd (1.8)	nd (1.8)
Toxaphene	ug/L	nd (2.5)	nd (2.5)	nd (2.5)	nd (2.5)

Semivolatile Organic Compc	Units	1600 ppm Cl Feed 45453	8000 ppm Cl Feed 45454	1600 ppm Cl Feed chem pre-treated 45455	8000 ppm Cl Feed chem pre-treated 45456
Acenaphthene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Acenaphthylene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Anthracene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Benzidine	ug/L	nd (150)	nd (150)	nd (150)	nd (150)
Benzo(a)anthracene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Benzo(b)Fluoranthene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Benzo(k)Fluoranthene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Benzo(g,h,i)perylene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Benzo(a)pyrene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
bis(2-Chloroethoxy)methane	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
bis(2-Chloroethyl)ether	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
bis(2-Chloroisopropyl)ether	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
bis(2-Ethylhexyl)phthalate	ug/L	nd (10)	nd (10)	2.4 J	1.7 J
4-bromophenyl phenyl ether	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Butyl benzyl phthalate	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
4-Chloroaniline	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
4-Chloro-3-methylphenol	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
2-Chloronaphthalene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
2-Chlorophenol	ug/L	45	34	27	35
4-Chlorophenyl phenyl ether	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Chrysene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Dibenzo(a,h)anthracene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Di-n-butyl phthalate	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
1,2-Dichlorobenzene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
1,3-Dichlorobenzene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
1,4-Dichlorobenzene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
3,3'-Dichlorobenzidine	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
2,4-Dichlorophenol	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Diethyl phthalate	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
2,4-Dimethylphenol	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Dimethyl phthalate	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
4,6-Dinitro-2-methylphenol	ug/L	nd (60)	nd (60)	nd (60)	nd (60)
2,4-Dinitrophenol	ug/L	nd (60)	nd (60)	nd (60)	nd (60)
2,4-Dinitrotoluene	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
2,6-Dinitrotoluene	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
Di-n-octyl phthalate	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
1,2-Diphenylhydrazine (as Azo	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Fluoranthene	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
Fluorene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Hexachlorobenzene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Hexachlorobutadiene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Hexachlorocyclopentadiene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Hexachloroethane	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Indeno(1,2,3-cd)pyrene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Isophorone	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Naphthalene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Nitrobenzene	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
2-Nitrophenol	ug/L	nd (20)	nd (20)	nd (20)	nd (20)
4-Nitrophenol	ug/L	nd (50)	nd (50)	nd (50)	nd (50)
N-Nitrosodimethylamine	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
N-Nitrosodiphenylamine	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
N-Nitrosodi-n-propylamine	ug/L	nd (10)	nd (10)	nd (10)	nd (10)

Pentachlorophenol	ug/L	nd (60)	nd (60)	nd (60)	nd (60)
Phenanthrene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Phenol	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
Pyrene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
1,2,4-Trichlorobenzene	ug/L	nd (10)	nd (10)	nd (10)	nd (10)
2,4,6-Trichlorophenol	ug/L	nd (20)	nd (20)	nd (20)	nd (20)

nd = non detect
Q = Elevated reporting limit. The reporting limit is elevated due to high analyte levels.
G = Elevated reporting limit. The reporting limit is elevated due to matrix interference.
B = Estimated result. Result is less than RL
J = Estimated result. Result is less than RL

Parameter	Units	1600 ppm Cl Feed 45453	8000 ppm Cl Feed 45454	1600 ppm Cl Feed chem pre-treated 45455	8000 ppm Cl Feed chem pre-treated 45456
Laboratory (ART)					
pH	pH units	6.48	6.44	7.93	7.89
ORP	mV	-54.2	-45.2	160.2	140.6
DO	mg/L	2.61	2.59	8.33	8.17
SC	mS	7.659	23.27	7.747	23.51
Perchlorate	mg/L	3.245	1.909	3.521	2.756
Nitrate (probe)	mg/L	16	115	200	176
Nitrate (spec)	mg/L	0.3	0.0	0.0	0.8
Phosphate-P	mg/L	0.03	0.05	0.03	0.04
Chloride	mg/L	1754	8054	1894	8088

AAI7-062.1 - FBR & PBR Continuous Feed Sampling #1 - October 11, 2007

	Sample ID	Perchlorate ug/L	Chlorate mg/L	Sulfate mg/L	Nitrate mg/L	Ammonia-N mg/L	TKN mg/L	TP mg/L	TOC mg/L	Cl mg/L	Turbidity NTU
FBR System #1 - SAND	45473	67 Q	ND (0.8)	1200 Q	0.24 B,G	1.6	3.9	0.76 J	8	1500 Q	4.17
FBR System #1 - GAC	45474	3.4 B,G	ND (0.8)	1700 Q	ND (2.5) G	1.1	2.4	6.6 J,Q	3	2000 Q	2.23
FBR System #2 - SAND	45475	77 Q	ND (4)	1100 Q	0.46 B,G	2.9	4.6	1.4 J	9.1	7700 Q	1.36
FBR System #2 - GAC	45476	160 Q	ND (4)	1400 Q	ND (5) G	1.1	1.2	9.1 J,Q	1.8	8300 Q	2.34
PBR System #1	45477	65 Q	ND (0.8)	1300 Q	ND (2.5) G	0.78	1.7	3.5 J,Q	8.1	1600 Q	9.63
PBR System #2	45478	49 Q	ND (4)	1100 Q	0.47 B,G	0.029 B	1.5	2 J	13	7300 Q	13.7

RL = Reporting limit
Q = Elevated reporting limit due to high analyte levels
B = Estimated result. Result is less than RL
J = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
G = Elevated reporting limit due to matrix interference.

AAI7-062.1 - FBR & PBR Continuous Feed Sampling #2 - October 23, 2007

	Sample ID	Perchlorate ug/L	Chlorate mg/L	Sulfate mg/L	Ammonia-N mg/L	Total Phosphate (as P) mg/L	TOC mg/L	Cl mg/L	TSS mg/L	TVS mg/L
FBR SYS 1 FEED	45525	2900 Q	17.6	---	16 Q	3.7 J,Q	---	1600 Q	---	---
FBR SYS 2 FEED	45526	2900 Q	13.1	---	21 Q	3.5 J,Q	---	7700 Q	---	---
PBR SYS 1 FEED	45527	3300 Q	17.9	---	21 Q	3.1 J,Q	---	1600 Q	---	---
PBR SYS 2 FEED	45528	2700 Q	13.3	---	19 Q	3.7 J,Q	---	8500 Q	---	---
FBR System #1 - SAND	45529	77 Q	ND (0.8)	1200 Q	7.3	1.9 J	8.9	1500 Q	13	130
FBR System #1 - GAC	45530	ND (5) G	ND (0.8)	1400 Q	1.6	4.1 J,Q	1.9	1600 Q	6.8	94
FBR System #2 - SAND	45531	54 G	ND (4)	1100 Q	9.6 Q	1.6 J	12	7100 Q	41	130
FBR System #2 - GAC	45532	41 G	ND (4)	1300 Q	1.8	3.9 J,Q	2.3	7900 Q	5.2	9000
PBR System #1	45533	61 Q	ND (0.8)	1200 Q	0.11	2.1 J	26	1500 Q	14	140
PBR System #2	45534	60 G	ND (4)	1100 Q	2	0.53 J	14	7100 Q	23	160

ND = non detect (reporting limit)
Q = Elevated reporting limit due to high analyte levels
G = Elevated reporting limit due to matrix interference.
J = Method blank contamination. The associated method blank contains the target analyte at a reportable level.

AAI7-062.1 - FBR & PBR Continuous Feed Sampling #3 - November 1, 2007

	Sample ID	Perchlorate ug/L	Chlorate mg/L	Sulfate mg/L	Ammonia-N mg/L	Total Phosphate (as P) mg/L	TOC mg/L	Cl mg/L	TSS mg/L	TVSS mg/L
FBR SYS 1 FEED	45581	2400 Q	8.91	---	8.9 Q	2.9	---	2200 Q	---	---
FBR SYS 2 FEED	45582	2000 Q	5.56	---	16 Q	3.1 Q	---	7500 Q	---	---
PBR SYS 1 FEED	45583	2300 Q	8.82	---	9.3 Q	2.5	---	2100 Q	---	---
PBR SYS 2 FEED	45584	2100 Q	5.53	---	14 Q	3.4 Q	---	8200 Q	---	---
FBR System #1 - SAND	45585	44 Q	ND (0.80)	1100 Q	6.8	1.2	9.9	1900 Q	8	6.4
FBR System #1 - GAC	45586	ND (5) G	ND (0.80)	1300 Q	2.2	3.8 Q	3	1800 Q	7.2	5.2
FBR System #2 - SAND	45587	28 G	ND (4.0)	1100 Q	11 Q	2.6	19	7500 Q	14	10
FBR System #2 - GAC	45588	22 G	ND (4.0)	1300 Q	6.1	4.9 Q	3.4	8800 Q	10	4.4
PBR System #1	45589	43 Q	ND (0.80)	1100 Q	4.1	1.4	24	1900 Q	38	30
PBR System #2	45590	49 G	ND (0.80)	1000 Q	4.9	1.1	21	7300 Q	29	24

ND = non detect (reporting limit)
Q = Elevated reporting limit due to high analyte levels
G = Elevated reporting limit due to matrix interference.

AAI7-062.1 - FBR & PBR Continuous Feed Sampling #3 - November 1, 2007

	Sample ID	Method 314 Perchlorate ug/L	Method 6860 Perchlorate ug/L
FBR System #1 - SAND	45585	44 Q	0.038 J
FBR System #1 - GAC	45586	ND (5) G	1.1
FBR System #2 - SAND	45587	28 G	ND (0.10)
FBR System #2 - GAC	45588	22 G	22
PBR System #1	45589	43 Q	ND (0.10)
PBR System #2	45590	49 G	ND (0.10)

ND = non detect (reporting limit)
Q = Elevated reporting limit due to high analyte levels
G = Elevated reporting limit due to matrix interference.
J = Estimated result. Result is less than RL

AAI7-062.1 - FBR & PBR Continuous Feed Sampling #4 - November 15, 2007

	Sample ID	Perchlorate ug/L	Chlorate mg/L	Sulfate mg/L	Ammonia-N mg/L	Total Phosphate (as P) mg/L	TOC mg/L	Cl mg/L	TSS mg/L	TVSS mg/L
FBR SYS 1 FEED	45630	2000 Q	6.62	---	5.3	3.2 Q	---	1700 Q	---	---
FBR SYS 2 FEED	45631	2200 Q	6.22	---	12 Q	3.9 Q	---	8300 Q	---	---
PBR SYS 1 FEED	45632	2100 Q	6.65	---	4.6	3.9 Q	---	1700 Q	---	---
PBR SYS 2 FEED	45633	2200 Q	6.27	---	11 Q	3.9 Q	---	7900 Q	---	---
FBR System #1 - SAND	45634	8.1 G	ND (0.80)	1200 Q	2.3	1.9	25	1500 Q	18	14 J
FBR System #1 - GAC	45635	ND (5) G	ND (0.80)	1300 Q	1.6	2.1	12	1800 Q	34	26 J
FBR System #2 - SAND	45636	41 G	ND (2.0)	1100 Q	7.1	1.9	28	7200 Q	22	17 J
FBR System #2 - GAC	45637	ND (20) G	ND (2.0)	1100 Q	1.1	2.1	11	8300 Q	62 Q	44 J,Q
PBR System #1	45638	ND (5) G	ND (0.80)	1200 Q	1.7	0.97	9.2	1500 Q	12	9.2 J
PBR System #2	45639	ND (20) G	ND (2)	1000 Q	3.8	0.69	13	7100 Q	13	11 J

ND = non detect (reporting limit)
Q = Elevated reporting limit due to high analyte levels
G = Elevated reporting limit due to matrix interference.

AAI7-062.1 - FBR & PBR Continuous Feed Sampling #4 - November 15, 2007

	Sample ID	Perchlorate Method 314 Perchlorate ug/L	Perchlorate Method 6860 Perchlorate ug/L
FBR System #1 - SAND	45634	8.1 G	ND (0.10)
FBR System #1 - GAC	45635	ND (5) G	0.59 B
FBR System #2 - SAND	45636	41 G	ND (0.10)
FBR System #2 - GAC	45637	ND (20) G	ND (0.10)
PBR System #1	45638	ND (5) G	0.079 J,B
PBR System #2	45639	ND (20) G	ND (0.10)

ND = non detect (reporting limit)
G = Elevated reporting limit due to matrix interference.
B = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J = Estimated result. Result is less than RL

AAI7-062.1 - FBR & PBR Continuous Feed Sampling #5 - November 28, 2007

	Sample ID	Perchlorate Method 314 ug/L	Perchlorate Method 6860 ug/L	Chlorate mg/L	Sulfate mg/L	Ammonia-N mg/L	Total Phosphate (as P) mg/L	TOC mg/L	Cl mg/L	TSS mg/L	TVSS mg/L
FBR SYS 1 FEED	45684	1700 Q	---	3.12	---	11 Q	2.6 J,G	---	1700 Q	---	---
FBR SYS 2 FEED	45685	1400 Q	---	ND (4)	---	9.3 Q	2.4 J	---	8100 Q	---	---
PBR SYS 1 FEED	45686	1500 Q	---	3.23	---	11 Q	3.0 J,Q	---	1700 Q	---	---
PBR SYS 2 FEED	45687	1300 Q	---	ND (4)	---	9.7 Q	2.7 J	---	7900 Q	---	---
FBR System #1 - SAND	45688	---	ND (0.5)	ND (0.80)	1200 Q	4.3	1.7 J	35	1600 Q	11	12 J
FBR System #1 - GAC	45689	---	ND (0.5)	ND (0.80)	1200 Q	0.93	1.1 J	37	1800 Q	36	36 J
FBR System #2 - SAND	45690	---	ND (2)	ND (4)	1100 Q	5.1	0.99 J	37	7200 Q	17	17 J
FBR System #2 - GAC	45691	---	ND (0.5)	ND (4)	1100 Q	2.5	1.5 J	50 Q	7000 Q	36	35 J
PBR System #1	45692	---	ND (0.1)	ND (0.80)	1100 Q	2.9	0.79 J	17	1500 Q	25	22 J
PBR System #2	45693	---	ND (0.5)	ND (4)	990 Q	3.0	0.79 J	36	7800 Q	51	40 J

ND = non detect (reporting limit)
Q = Elevated reporting limit due to high analyte levels
G = Elevated reporting limit due to matrix interference.
J = Method blank contamination. The associated method blank contains the target analyte at a reportable level.

AAI7-062.1 - FBR & PBR Continuous Feed Sampling #6 - December 09, 2007

	Sample ID	Perchlorate Method 314 ug/L	Perchlorate Method 6860 ug/L	Chlorate mg/L	Sulfate mg/L	Ammonia-N mg/L	Total Phosphate (as P) mg/L	TOC mg/L	Cl mg/L	TSS mg/L	TVSS mg/L
FBR SYS 1 FEED	45710	1400 Q	---	2.15	---	7.7	3.5 J,Q	---	1700 Q	---	---
FBR SYS 2 FEED	45711	1400 Q	---	ND (4)	---	7.9	3.1 J,Q	---	7500 Q	---	---
PBR SYS 1 FEED	45712	1500 Q	---	2.02	---	6.7	3.4 J,Q	---	1600 Q	---	---
PBR SYS 2 FEED	45713	1500 Q	---	ND (4)	---	8.9 Q	3.0 J,Q	---	7500 Q	---	---
FBR System #1 - SAND	45714	---	ND (0.10)	ND (0.8)	1200 Q	2.4	2.2 J	17	1500 Q	28	12 J
FBR System #1 - GAC	45715	---	ND (2.0)	ND (0.8)	1200 Q	0.059 B	1.6 J	51 J,Q	1700 Q	57	46 J
FBR System #2 - SAND	45716	---	ND (2.0)	ND (4)	1100 Q	3.3	1.4 J	33	6800 Q	20	14 J
FBR System #2 - GAC	45717	---	ND (0.10)	ND (4)	1100 Q	1.7	1.4 J	82 Q	7900 Q	30	22 J
PBR System #1	45718	---	ND (2.0)	ND (0.8)	1000 Q	0.076 B	0.91 J	48	1400 Q	30	25 J
PBR System #2	45719	---	ND (2.0)	ND (4)	890 Q	0.77	1.1 J	54 J,Q	6600 Q	39	9.2 J

ND = non detect (reporting limit)
B = Estimated result. Result is less than RL
G = Elevated reporting limit due to matrix interference.
J = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
All chlorate samples required dilutions due to matrix interference.

AAI7-062.1 - FBR & PBR Continuous Feed Sampling #7 - December 14, 2007

	Sample ID	Perchlorate Method 314 ug/L	Perchlorate Method 6860 ug/L	Chlorate mg/L	Sulfate mg/L	Ammonia-N mg/L	Total Phosphate (as P) mg/L	Soluble TOC mg/L	Cl mg/L	TSS mg/L	TVSS mg/L
FBR SYS 1 FEED	45723	2000 Q	---	2.95	---	4.9	3.1 J	---	1700 Q	---	---
FBR SYS 2 FEED	45724	1700 Q	---	ND (4)	---	7.4	2.9 J	---	9000 Q	---	---
PBR SYS 1 FEED	45725	1700 Q	---	3.14	---	3.8	3.1 J,Q	---	1600 Q	---	---
PBR SYS 2 FEED	45726	1800 Q	---	ND (4)	---	7.4	2.9 J	---	8100 Q	---	---
FBR System #1 - SAND	45727	---	ND (1.0)	ND (0.8)	1200 Q	3.1	2.7 J	16 J	1500 Q	18	15
FBR System #1 - GAC	45728	---	ND (0.10)	ND (0.8)	1100 Q	1.2	1.4 J	77 J,Q	1500 Q	54 J,Q	43 J,Q
FBR System #2 - SAND	45729	---	ND (0.10)	ND (4)	1100 Q	4.0	2.4 J	29 J	7300 Q	35 J	24 J
FBR System #2 - GAC	45730	---	ND (0.10)	ND (4)	1000 Q	1.0	1.2 J	89 J,Q	7800 Q	87 J,Q	50 J,Q
PBR System #1	45731	---	ND (1.0)	ND (0.8)	1100 Q	0.31	1.3 J	21 J	1600 Q	26 J	22 J
PBR System #2	45732	---	ND (0.10)	ND (4)	1000 Q	1.20	1.4 J	15 J	7700 Q	19 J	14 J

Q = Elevated reporting limit due to high analyte levels.
ND = non detect (reporting limit)
J = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
All chlorate samples required dilutions due to matrix interference.

AAI7-062.1 - FBR & PBR Continuous Feed Sampling #8 - December 20, 2007

	Sample ID	Perchlorate Method 314	Perchlorate Method 6860	Chlorate	Sulfate	Ammonia-N	Total Phosphate (as P)	Soluble TOC	Cl	TSS	TVSS
		ug/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
FBR SYS 1 FEED	45745	2200 Q	---	6.16	---	7.8 Q	2.9	---	1500 Q	---	---
FBR SYS 2 FEED	45746	2000 Q	---	5.26	---	7.8	2.6	---	8300 Q	---	---
PBR SYS 1 FEED	45747	2200 Q	---	6.14	---	7.2	2.7 Q	---	1600 Q	---	---
PBR SYS 2 FEED	45748	2000 Q	---	5.16	---	8.0	2.9	---	8300 Q	---	---
FBR System #1 - SAND	45749	---	ND (0.10)	ND (0.80)	1200 Q	5.4	2.0	17	1500 Q	19	14 J
FBR System #1 - GAC	45750	---	ND (0.10)	ND (0.80)	1200 Q	0.47	0.47	45	1700 Q	40	34 J
FBR System #2 - SAND	45751	---	ND (0.50)	ND (4)	1100 Q	5.1	1.7	24	7500 Q	20	12 J
FBR System #2 - GAC	45752	---	ND (0.10)	ND (4)	1100 Q	0.3	0.74	69 Q	9200 Q	50	34 J
PBR System #1	45753	---	ND (0.10)	ND (0.80)	1000 Q	0.67	0.95	16	1400	15	14 J
PBR System #2	45754	---	ND (0.10)	ND (4)	950 Q	2.3	1.4	14	8200 Q	14	10 J

Q = Elevated reporting limit due to high analyte levels.
ND = non detect (reporting limit)
J = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
All chlorate samples required dilutions due to matrix interference.

AAI7-062.1 - FBR & PBR Continuous Feed Sampling #9 - December 28, 2007

	Sample ID	Perchlorate Method 314 ug/L	Perchlorate Method 6860 ug/L	Chlorate mg/L	Sulfate mg/L	Ammonia-N mg/L	Total Phosphate (as P) mg/L	Soluble TOC mg/L	Cl mg/L	TSS mg/L	TVSS mg/L
FBR SYS 1 FEED	45758	2800 Q	---	5.43	---	10 Q	2.7 J,Q	---	1600 Q	---	---
FBR SYS 2 FEED	45759	2600 Q	---	4.36	---	10 Q	2.5 J	---	7900 Q	---	---
PBR SYS 1 FEED	45760	2900 Q	---	5.41	---	11 Q	3.0 J	---	1700 Q	---	---
PBR SYS 2 FEED	45761	2500 Q	---	4.32	---	11 Q	3.0 J,Q	---	7800 Q	---	---
FBR System #1 - SAND	45762	---	ND (0.10)	ND (0.80)	1300 Q	5.0	2.4 J	24 J	1600 Q	19	14
FBR System #1 - GAC	45763	---	ND (0.10)	ND (0.80)	1300 Q	2.6	0.51 J	9.4 J	1700 Q	19	12
FBR System #2 - SAND	45764	---	ND (0.50)	ND (4)	1200 Q	5.9	2.5 J	22 J	8000 Q	27	16
FBR System #2 - GAC	45765	---	ND (0.10)	ND (4)	1300 Q	3.1	0.82 J	9.1 J	8300 Q	28	20
PBR System #1	45766	---	ND (0.50)	ND (0.80)	1200 Q	1.3	1.5 J	32 J	1700 Q	27	21
PBR System #2	45767	---	ND (0.10)	ND (4)	1000 Q	3.9	2.3 J	20 J	7800 Q	31	22

Q = Elevated reporting limit due to high analyte levels.
ND = non detect (reporting limit)
J = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
All chlorate samples required dilutions due to matrix interference.

AAI7-062.1 - FBR & PBR Continuous Feed Sampling #10 - January 03, 2008

	Sample ID	Perchlorate Method 314 ug/L	Perchlorate Method 6860 ug/L	Chlorate mg/L	Sulfate mg/L	Ammonia-N mg/L	Total Phosphate (as P) mg/L	Soluble TOC mg/L	Cl mg/L	TSS mg/L	TVSS mg/L
FBR SYS 1 FEED	45768	2800 Q	---	5.2	---	10 Q	2.8	---	1500 Q	---	---
FBR SYS 2 FEED	45769	2600 Q	---	4.6	---	7.5	2.7	---	7900 Q	---	---
PBR SYS 1 FEED	45770	2900 Q	---	5.4	---	7.7	3.0 Q	---	1600 Q	---	---
PBR SYS 2 FEED	45771	2600 Q	---	4.6	---	9.8 Q	3.1 Q	---	7700 Q	---	---
FBR System #1 - SAND	45772	---	ND (0.10)	ND (0.1)	1200 Q	5.1	2.1	23	1500 Q	19	13 J
FBR System #1 - GAC	45773	---	ND (0.10)	ND (0.1)	1300 Q	2.7	1.2	5.4	1600 Q	17	15 J
FBR System #2 - SAND	45774	---	ND (0.50)	ND (0.1)	1100 Q	5.5	1.6	22	7600 Q	27	15 J
FBR System #2 - GAC	45775	---	ND (0.10)	ND (0.1)	1200 Q	3.3	1.1	6.0	7800 Q	27	21 J
PBR System #1	45776	---	ND (0.50)	ND (0.1)	1100 Q	1.4	1.2	32	1600 Q	38 Q	34 J
PBR System #2	45777	---	ND (0.50)	ND (0.1)	1000 Q	2.6	1.4	35	7400 Q	46 Q	35 J

Q = Elevated reporting limit due to high analyte levels.
ND = non detect (reporting limit)
J = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
All chlorate samples required dilutions due to matrix interference.

AAI7-062.1 - FBR & PBR Continuous Feed Sampling #11 - January 09, 2008

	Sample ID	Perchlorate Method 314 ug/L	Perchlorate Method 6860 ug/L	Chlorate mg/L	Sulfate mg/L	Ammonia-N mg/L	Total Phosphate (as P) mg/L	Soluble TOC mg/L	Cl mg/L	TSS mg/L	TVSS mg/L
FBR SYS 1 FEED	45792	3000 Q	---	5.65	---	9.4 Q	3.0 J	---	1600 Q	---	---
FBR SYS 2 FEED	45793	2600 Q	---	4.51	---	9.4 Q	2.8 J	---	7300 Q	---	---
PBR SYS 1 FEED	45794	7600 Q	---	5.53	---	9.7 Q	2.3 J	---	1600 Q	---	---
PBR SYS 2 FEED	45795	6700 Q	---	4.31	---	9.4 Q	2.3 J	---	7300 Q	---	---
FBR System #1 - SAND	45796	---	ND (1.0)	ND (0.80)	1200 Q	5.6	1.3 J	18	1600 Q	7.6	6.4
FBR System #1 - GAC	45797	---	0.024 J	ND (0.80)	1200 Q	4.4	2.2 J	3.3	1500 Q	9.2	6.4
FBR System #2 - SAND	45798	---	ND (1.0)	ND (4.0)	1100 Q	6.0	2.1 J	21	7400 Q	12	8.0
FBR System #2 - GAC	45799	---	ND (0.5)	ND (4.0)	1200 Q	4.8	2.1 J	5.1	7800 Q	15	8.0
PBR System #1	45800	---	ND (0.5)	ND (0.80)	1100 Q	1.5	0.37 J	21	1500 Q	22	18
PBR System #2	45801	---	ND (0.5)	ND (4.0)	1000 Q	3.7	2.0 J	26	8100 Q	27	22

Q = Elevated reporting limit due to high analyte levels.
ND = non detect (reporting limit)
J = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
All chlorate samples required dilutions due to matrix interference.

AAI7-062.1 - FBR Continuous Feed Sampling #12 - January 14, 2008

	Sample ID	Perchlorate Method 314 ug/L	Perchlorate Method 6860 ug/L	Chlorate mg/L	Sulfate mg/L	Ammonia-N mg/L	Total Phosphate (as P) mg/L	Soluble TOC mg/L	Cl mg/L	TSS mg/L	TVSS mg/L
FBR SYS 1 FEED	45831	2700 Q	---	5.79	---	9.5 Q	2.7 J	---	1500 Q	---	---
FBR SYS 2 FEED	45832	2400 Q	---	4.67	---	7.8	2.6 J	---	7500 Q	---	---
FBR System #1 - SAND	45833	---	ND (0.10)	ND (0.80)	1300 Q	4.7	1.9 J	17	1500 Q	10	9.6 J
FBR System #1 - GAC	45834	---	ND (0.10)	ND (0.80)	1300 Q	5.1	2.7 J	3.7	1600 Q	13	11 J
FBR System #2 - SAND	45835	---	ND (0.50)	ND (4.0)	1100 Q	5.9	1.6 J	22	7100 Q	16	10 J
FBR System #2 - GAC	45836	---	ND (0.10)	ND (4.0)	1200 Q	5.2	2.3 J	4.5	7600 Q	14	12 J

Q = Elevated reporting limit due to high analyte levels.
ND = non detect (reporting limit)
J = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
All chlorate samples required dilutions due to matrix interference.

AAI7-062.1 - PBR Continuous Feed Sampling #12 - January 16, 2008

	Sample ID	Perchlorate Method 314 ug/L	Perchlorate Method 6860 ug/L	Chlorate mg/L	Sulfate mg/L	Ammonia-N mg/L	Total Phosphate (as P) mg/L	Soluble TOC mg/L	Cl mg/L	TSS mg/L	TVSS mg/L
PBR SYS 1 FEED	45853	7800 Q	---	72.4	---	9.7 Q	2.6 J	---	1600 Q	---	---
PBR SYS 2 FEED	45854	7400 Q	---	72.3	---	9.3 Q	3.0 J	---	7400 Q	---	---
PBR System #1	45855	---	2700	11.7	1100 Q	1.7	1.3 J	12 J	1600 Q	22	18 J
PBR System #2	45856	---	3800	11.0	1100 Q	2.4	1.9 J	14 J	7400 Q	29	21 J

Q = Elevated reporting limit due to high analyte levels.
ND = non detect (reporting limit)
J = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
All chlorate samples required dilutions due to matrix interference.

AAI7-062.1 - FBR & PBR Continuous Feed Sampling #13 - January 21, 2008

	Sample ID	Perchlorate Method 314 ug/L	Perchlorate Method 6860 ug/L	Chlorate mg/L	Sulfate mg/L	Ammonia-N mg/L	Total Phosphate (as P) mg/L	Soluble TOC mg/L	Cl mg/L	TSS mg/L	TVSS mg/L
FBR SYS 1 FEED	45862	2100 Q	---	3.5	---	9.6 Q	3.1 J, Q	---	1600 Q	---	---
FBR SYS 2 FEED	45863	1700 Q	---	ND (4.0)	---	9.8 Q	3.0 J	---	7300 Q	---	---
PBR SYS 1 FEED	45864	23000 Q	---	271	---	9.0 Q	2.7 J	---	1600 Q	---	---
PBR SYS 2 FEED	45865	24000 Q	---	271	---	9.5 Q	2.8 J	---	7800 Q	---	---
FBR System #1 - SAND	45866	---	ND (1.0)	ND (0.80)	1300 Q	5.1	1.4 J	18 J	1600 Q	6.8	4.0
FBR System #1 - GAC	45867	---	ND (1.0)	ND (0.80)	1300 Q	2.3	0.65 J	18 J	1600 Q	15	14
FBR System #2 - SAND	45868	---	ND (1.0)	ND (4.0)	1100 Q	5.8	1.4 J	24 J	7300 Q	12	6.4
FBR System #2 - GAC	45869	---	ND (0.50)	ND (4.0)	1200 Q	2.4	0.42 J	20 J	7400 Q	27	16
PBR System #1	45870	---	21000	132	1200 Q	1.3	0.75 J	15 J	1600 Q	14	12
PBR System #2	45871	---	21000	186	1100 Q	3.1	0.72 J	22 J	6800 Q	26	18

Q = Elevated reporting limit due to high analyte levels.
ND = non detect (reporting limit)
J = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
All chlorate samples required dilutions due to matrix interference.

AAI7-062.1 PBR Comprehensive Final Sampling

Parameter		45822	45823	45824	45825
ICP Metals	**Units**	**PBR SYS 1 FEED**	**PBR SYS 2 FEED**	**PBR SYS 1**	**PBR SYS 2**
Silver	ug/L	**3.0 B**	**4.0 B**	ND (10)	ND (10)
Arsenic	ug/L	ND (15)	ND (15)	ND (15)	ND (15)
Cadmium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chromium	ug/L	ND (10)	ND (10)	**4.1 B**	ND (10)
Copper	ug/L	ND (15)	ND (15)	ND (15)	ND (15)
Iron	ug/L	**230**	**170**	**160**	**130**
Nickel	ug/L	ND (40)	ND (40)	ND (40)	ND (40)
Lead	ug/L	ND (9.0)	ND (9.0)	ND (9.0)	ND (9.0)
Selenium	ug/L	ND (15)	ND (15)	ND (15)	ND (15)
Zinc	ug/L	**5.3 B**	ND (20)	**6.1 B**	**6.8 B**
Hexavalent Chromium	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
ICP Dissolved Metals	**Units**	**PBR SYS 1 FEED**	**PBR SYS 2 FEED**	**PBR SYS 1**	**PBR SYS 2**
Silver	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Arsenic	ug/L	ND (15)	ND (15)	ND (15)	ND (15)
Cadmium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chromium	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Copper	ug/L	ND (15)	ND (15)	ND (15)	ND (15)
Iron	ug/L	ND (100)	ND (100)	ND (100)	ND (100)
Nickel	ug/L	ND (40)	ND (40)	ND (40)	ND (40)
Lead	ug/L	ND (9.0)	ND (9.0)	ND (9.0)	ND (9.0)
Selenium	ug/L	ND (15)	ND (15)	ND (15)	ND (15)
Zinc	ug/L	ND (20)	ND (20)	ND (20)	ND (20)
Hexavalent Chromium	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Volatile Organics	**Units**	**PBR SYS 1 FEED**	**PBR SYS 2 FEED**	**PBR SYS 1**	**PBR SYS 2**
Xylenes (total)	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Acrolein	ug/L	ND (20)	ND (20)	ND (20)	ND (20)
Acrylonitrile	ug/L	ND (20)	ND (20)	ND (20)	ND (20)
Benzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromomethane	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon Tetrachloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	ND (1.0)	ND (1.0)	**0.25 J**	**0.59 J**
Dibromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroethane	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2-Chloroethyl vinyl ether	ug/L	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)
Chloroform	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloromethane	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,2-Dichlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,3-Dichlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,4-Dichlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dichlorodifluoromethane	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,1-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Methylene Chloride	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Toluene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,1-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichlorofluoromethane	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Vinyl chloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Organochlorine Pesticides	**Units**	**PBR SYS 1 FEED**	**PBR SYS 2 FEED**	**PBR SYS 1**	**PBR SYS 2**
4,4'-DDD	ug/L	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
4,4'-DDE	ug/L	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)
4,4'-DDT	ug/L	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)
Aldrin	ug/L	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)
alpha-BHC	ug/L	ND (0.030)	ND (0.030)	ND (0.030)	ND (0.030)
beta-BHC	ug/L	ND (0.060)	ND (0.060)	**0.012 J**	**0.0093 J, COL**
Chlordane (technical)	ug/L	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)
delta-BHC	ug/L	ND (0.090)	ND (0.090)	**0.018 J, COL**	**0.010 J, COL**
Dieldrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan I	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan II	ug/L	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)
Endosulfan sulfate	ug/L	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)
Endrin	ug/L	**0.013 J**	**0.0081 J**	ND (0.060)	ND (0.060)
Endrin aldehyde	ug/L	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
Endrin ketone	ug/L	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)
gamma-BHC (Lindane)	ug/L	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)
Heptachlor	ug/L	ND (0.030)	ND (0.030)	ND (0.030)	ND (0.030)
Heptachlor epoxide	ug/L	ND (0.080)	ND (0.080)	ND (0.080)	ND (0.080)

Methoxychlor	ug/L	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)
Toxaphene	ug/L	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)

Semivolatile Organic Compounds	**Units**	**PBR SYS 1 FEED**	**PBR SYS 2 FEED**	**PBR SYS 1**	**PBR SYS 2**
Acenaphthene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Acenaphthylene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Anthracene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Benzidine	ug/L	ND (150)	ND (150)	ND (150)	ND (150)
Benzo(a)anthracene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Benzo(b)Fluoranthene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Benzo(k)Fluoranthene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Benzo(g,h,i)perylene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Benzo(a)pyrene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
bis(2-Chloroethoxy)methane	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
bis(2-Chloroethyl)ether	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
bis(2-Chloroisopropyl)ether	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
bis(2-Ethylhexyl)phthalate	ug/L	**1.8 J**	**2.5 J**	ND (10)	ND (10)
4-bromophenyl phenyl ether	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Butyl benzyl phthalate	ug/L	ND (20)	ND (20)	ND (20)	ND (20)
4-Chloroaniline	ug/L	ND (20)	ND (20)	ND (20)	ND (20)
4-Chloro-3-methylphenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)
2-Chloronaphthalene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
2-Chlorophenol	ug/L	ND (10)	**11**	**11**	**7.0 J**
4-Chlorophenyl phenyl ether	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Chrysene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Dibenzo(a,h)anthracene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Di-n-butyl phthalate	ug/L	ND (20)	ND (20)	ND (20)	ND (20)
1,2-Dichlorobenzene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
1,3-Dichlorobenzene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
1,4-Dichlorobenzene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
3,3'-Dichlorobenzidine	ug/L	ND (20)	ND (20)	ND (20)	ND (20)
2,4-Dichlorophenol	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Diethyl phthalate	ug/L	ND (20)	ND (20)	ND (20)	ND (20)
2,4-Dimethylphenol	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Dimethyl phthalate	ug/L	ND (20)	ND (20)	ND (20)	ND (20)
4,6-Dinitro-2-methylphenol	ug/L	ND (60)	ND (60)	ND (60)	ND (60)
2,4-Dinitrophenol	ug/L	ND (60)	ND (60)	ND (60)	ND (60)
2,4-Dinitrotoluene	ug/L	ND (20)	ND (20)	ND (20)	ND (20)
2,6-Dinitrotoluene	ug/L	ND (20)	ND (20)	ND (20)	ND (20)
Di-n-octyl phthalate	ug/L	ND (20)	ND (20)	ND (20)	ND (20)
1,2-Diphenylhydrazine (as Azobenzene)	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Fluoranthene	ug/L	ND (20)	ND (20)	ND (20)	ND (20)
Fluorene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Hexachlorobenzene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Hexachlorobutadiene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Hexachlorocyclopentadiene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Hexachloroethane	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Indeno(1,2,3-cd)pyrene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Isophorone	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Naphthalene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Nitrobenzene	ug/L	ND (20)	ND (20)	ND (20)	ND (20)
2-Nitrophenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)
4-Nitrophenol	ug/L	ND (50)	ND (50)	ND (50)	ND (50)
N-Nitrosodimethylamine	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
N-Nitrosodiphenylamine	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
N-Nitrosodi-n-propylamine	ug/L	ND (20)	ND (20)	ND (20)	ND (20)
Pentachlorophenol	ug/L	ND (60)	ND (60)	ND (60)	ND (60)
Phenanthrene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Phenol	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Pyrene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
1,2,4-Trichlorobenzene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
2,4,6-Trichlorophenol	ug/L	**1.1 J**	ND (20)	ND (20)	ND (20)

ND = The analyte was analyzed for but not detect
Q = Elevated reporting limit. The reporting limit is elevated due to high analyte levels.
B = Estimated result. Result is less than RL
J = Estimated result. Result is less than RL
COL = More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.

AAI7-062.1 FBR Comprehensive Final Sampling

Parameter		45873	45874	45875	45876	45877	45878
ICP Metals	**Units**	**FBR SYS 1 FEED**	**FBR SYS 2 FEED**	**FBR SYS 1 SAND**	**FBR SYS 1 GAC**	**FBR SYS 2 SAND**	**FBR SYS 2 GAC**
Silver	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Arsenic	ug/L	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)
Cadmium	ug/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chromium	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Copper	ug/L	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)
Iron	ug/L	**450**	**290**	**130**	**87 B**	**79 B**	**82 B**
Nickel	ug/L	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Lead	ug/L	ND (9)	ND (9)	ND (9)	ND (9)	ND (9)	ND (9)
Selenium	ug/L	ND (15)	ND (15)	ND (15)	ND (15)	**5.2 B**	ND (15)
Zinc	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Hexavalent Chromium	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
ICP Dissolved Metals	**Units**	**FBR SYS 1 FEED**	**FBR SYS 2 FEED**	**FBR SYS 1 SAND**	**FBR SYS 1 GAC**	**FBR SYS 2 SAND**	**FBR SYS 2 GAC**
Silver	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Arsenic	ug/L	ND (15)	ND (15)	ND (15)	ND (15)	**4.9 B**	ND (15)
Cadmium	ug/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chromium	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Copper	ug/L	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)
Iron	ug/L	ND (100)	ND (100)	**50 B**	ND (100)	**39 B**	ND (100)
Nickel	ug/L	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Lead	ug/L	ND (9)	ND (9)	ND (9)	ND (9)	ND (9)	ND (9)
Selenium	ug/L	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)
Zinc	ug/L	ND (20)	**4.9 B**	ND (20)	ND (20)	ND (20)	ND (20)
Hexavalent Chromium	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	**0.0053 B**
Volatile Organics	**Units**	**FBR SYS 1 FEED**	**FBR SYS 2 FEED**	**FBR SYS 1 SAND**	**FBR SYS 1 GAC**	**FBR SYS 2 SAND**	**FBR SYS 2 GAC**
Xylenes (total)	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Acrolein	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Acrylonitrile	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Benzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromomethane	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon Tetrachloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	ND (1.0)	ND (1.0)	**23**	ND (1.0)	**3.1**	ND (1.0)
Dibromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroethane	ug/L	**1.9 J**	**0.91 J**	**1.1 J**	ND (2.0)	**0.60 J**	ND (2.0)
2-Chloroethyl vinyl ether	ug/L	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)
Chloroform	ug/L	**1.0**	**0.56 J**	**0.44 J**	ND (1.0)	**0.34 J**	ND (1.0)
Chloromethane	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,2-Dichlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,3-Dichlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,4-Dichlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dichlorodifluoromethane	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,1-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Methylene Chloride	ug/L	**1.0 J**	**0.75 J**	**0.92 J**	**0.55 J**	**0.75 J**	**0.40 J**
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Toluene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,1-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichlorofluoromethane	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Vinyl chloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Organochlorine Pesticides	**Units**	**FBR SYS 1 FEED**	**FBR SYS 2 FEED**	**FBR SYS 1 SAND**	**FBR SYS 1 GAC**	**FBR SYS 2 SAND**	**FBR SYS 2 GAC**
4,4'-DDD	ug/L	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
4,4'-DDE	ug/L	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)
4,4'-DDT	ug/L	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)
Aldrin	ug/L	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)
alpha-BHC	ug/L	ND (0.030)	ND (0.030)	ND (0.030)	ND (0.030)	ND (0.030)	ND (0.030)
beta-BHC	ug/L	ND (0.060)	ND (0.060)	ND (0.060)	ND (0.060)	**0.026 J**	ND (0.060)
Chlordane (technical)	ug/L	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)
delta-BHC	ug/L	ND (0.090)	ND (0.090)	**0.013 J,COL**	ND (0.090)	**0.012 J,COL**	ND (0.090)
Dieldrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan I	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan II	ug/L	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)
Endosulfan sulfate	ug/L	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)
Endrin	ug/L	ND (0.060)	ND (0.060)	ND (0.060)	ND (0.060)	ND (0.060)	ND (0.060)
Endrin aldehyde	ug/L	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
Endrin ketone	ug/L	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)
gamma-BHC (Lindane)	ug/L	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)	**0.0086 J,COL**	ND (0.040)
Heptachlor	ug/L	ND (0.030)	ND (0.030)	**0.011 J**	ND (0.030)	**0.0091 J,COL**	ND (0.030)
Heptachlor epoxide	ug/L	ND (0.080)	ND (0.080)	ND (0.080)	ND (0.080)	ND (0.080)	ND (0.080)
Methoxychlor	ug/L	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)
Toxaphene	ug/L	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Semivolatile Organic Compounds	**Units**	**FBR SYS 1 FEED**	**FBR SYS 2 FEED**	**FBR SYS 1 SAND**	**FBR SYS 1 GAC**	**FBR SYS 2 SAND**	**FBR SYS 2 GAC**
Acenaphthene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Acenaphthylene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Anthracene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzidine	ug/L	ND (150)	ND (150)	ND (150)	ND (150)	ND (150)	ND (150)
Benzo(a)anthracene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzo(b)Fluoranthene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzo(k)Fluoranthene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzo(g,h,i)perylene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzo(a)pyrene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
bis(2-Chloroethoxy)methane	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
bis(2-Chloroethyl)ether	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
bis(2-Chloroisopropyl)ether	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
bis(2-Ethylhexyl)phthalate	ug/L	**1.1 J**	ND (10)	ND (10)	**1.0 J**	ND (10)	ND (10)
4-bromophenyl phenyl ether	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Butyl benzyl phthalate	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4-Chloroaniline	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4-Chloro-3-methylphenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Chloronaphthalene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Chlorophenol	ug/L	**23**	**15**	**20**	ND (10)	**14**	ND (10)

4-Chlorophenyl phenyl ether	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chrysene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dibenzo(a,h)anthracene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Di-n-butyl phthalate	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2-Dichlorobenzene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3-Dichlorobenzene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,4-Dichlorobenzene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
3,3'-Dichlorobenzidine	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2,4-Dichlorophenol	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Diethyl phthalate	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2,4-Dimethylphenol	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dimethyl phthalate	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4,6-Dinitro-2-methylphenol	ug/L	ND (60)	ND (60)	ND (60)	ND (60)	ND (60)	ND (60)
2,4-Dinitrophenol	ug/L	ND (60)	ND (60)	ND (60)	ND (60)	ND (60)	ND (60)
2,4-Dinitrotoluene	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2,6-Dinitrotoluene	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Di-n-octyl phthalate	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2-Diphenylhydrazine (as Azobenzene)	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Fluoranthene	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Fluorene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Hexachlorobenzene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Hexachlorobutadiene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Hexachlorocyclopentadiene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Hexachloroethane	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Indeno(1,2,3-cd)pyrene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Isophorone	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Naphthalene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Nitrobenzene	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Nitrophenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4-Nitrophenol	ug/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
N-Nitrosodimethylamine	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
N-Nitrosodiphenylamine	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
N-Nitrosodi-n-propylamine	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Pentachlorophenol	ug/L	ND (60)	ND (60)	ND (60)	ND (60)	ND (60)	ND (60)
Phenanthrene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Phenol	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Pyrene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2,4-Trichlorobenzene	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4,6-Trichlorophenol	ug/L	**1.2 J**	**1.1 J**	**1.1 J**	ND (20)	**1.0 J**	ND (20)

ND = The analyte was analyzed for but not detect
Q = Elevated reporting limit. The reporting limit is elevated due to high analyte levels.
B = Estimated result. Result is less than RL
J = Estimated result. Result is less than RL
COL = More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.

AAI7-062.1 - PBR Continuous Feed Sampling #14 - On Feb 07/08 sampled effluents from Jan 25/08

	Sample ID	Perchlorate Method 314 ug/L	Perchlorate Method 6860 ug/L	Chlorate mg/L	Soluble TOC mg/L
PBR System #1	45972	16000 Q	15000	16.2	96 J,Q
PBR System #2	45973	33000 Q	20000	88.2	78 J,Q

Q = Elevated reporting limit due to high analyte levels.
J = Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Requested Method 6860 analysis on Feb 25/08

Alternate Treatment System Results - Sampling #1

Date	18/10/2007	to	22/10/2007						
ART#	45479	45481	45482	45483	45480	45484	45485	45486	Units
Parameter	**EHC SYS 1 Feed**	**EHC SYS 1 Sand**	**EHC SYS 1 Aerobic**	**EHC SYS 1 Anaerobic**	**EHC SYS 2 Feed**	**EHC SYS 2 Sand**	**EHC SYS 2 Aerobic**	**EHC SYS 2 Anaerobic**	
ClO4	5,400	5,400	2,600	4,800	4,900	440	350	370	ug/L
ClO3	59	ND (<2)	ND (<2)	ND (<2)	66.7	48.4	ND (<4)	ND (<4)	mg/L
TOC	30	29	39	25	29	28	40	27	mg/L
TKN	11	11	13	10	9.7	11	14	11	mg/L
NH3-N	11	11	13	11	10	11	12	10	mg/L
TSS	98	68	160	170	110	120	170	170	mg/L
TVS	1,200	620	600	660	1,000	1,800	1,700	1,100	mg/L
VOC									
Chlorobenzene	16,000	13,000	2,400	3,300	14,000	16,000	1,600	2,800	ug/L
Chloroform	ND(<2000)	ND(<2000)	98	99	ND(<2000)	ND(<2000)	61	83	ug/L
cis-1,2-Dichloroethene	ND(<2000)	ND(<2000)	31	ND(<200)	ND(<2000)	ND(<2000)	24	20	ug/L
SVOC									
2-Chlorophenol	480	490	500	460	460	420	450	410	ug/L
1,4-Dichlorobenzene	6.6	ND(<40)	ND(<40)	ND(<40)	6.6	ND(<40)	ND(<40)	ND(<40)	ug/L
Phenol	20	33	61	37	17	34	32	23	ug/L
OCPs									
4-4'DDD	0.13	ND(<0.11)	ND(<0.11)	ND(<0.11)	ND(<0.11)	ND(<0.11)	ND(<0.11)	ND(<0.11)	ug/L
4-4'DDE	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	0.0083	ug/L
Aldrin	0.094	ND(<0.04)	ND(<0.04)	ND(<0.04)	0.075	ND(<0.04)	ND(<0.04)	ND(<0.04)	ug/L
B-BHC	0.079	0.1	ND(<0.06)	ND(<0.06)	0.066	0.16	ND(<0.06)	0.11	ug/L
Delta-BHC	0.76	ND(<0.09)	ND(<0.09)	ND(<0.09)	0.48	ND(<0.09)	ND(<0.09)	0.065	ug/L
Endrin Ketone	0.014	ND(<0.10)	ND(<0.10)	ND(<0.10)	ND(<0.10)	ND(<0.10)	ND(<0.10)	ND(<0.10)	ug/L
Endrin	ND(<0.06)	0.065	0.024	0.053	ND(<0.06)	0.12	ND(<0.06)	0.043	ug/L
Gamma-BHC	0.054	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ug/L
Heptachlor	0.18	ND(<0.03)	ND(<0.03)	0.067	0.19	0.12	ND(<0.03)	ND(<0.03)	ug/L
Methoxychlor	0.047	0.027	ND(<1.8)	ND(<1.8)	ND(<1.8)	ND(<1.8)	ND(<1.8)	0.019	ug/L
Total OCPs Detected	1.358	0.192	0.024	0.12	0 0.811	0.4	0	0.2453	ug/L
Anions									
Chloride	1,300	1,400	1,300	1,400	8,100	8,200	8,100	8,100	mg/L
Sulfate	3,500	3,700	3,400	3,500	3,000	3,000	2,900	2,900	mg/L
Nitrate	0.42	ND(<2.5)	ND(<2.5)	ND(<2.5)	ND(<5.0)	ND(<5.0)	ND(<5.0)	ND(<5.0)	mg/L
Metals									
Chromium	130	6	6.8	6.3	68	3.7	6	4	ug/L
Copper	ND(<15)	ND(<15)	ND(<15)	ND(<15)	ND(<15)	ND(<15)	15	ND(<15)	ug/L
Iron	250,000	190,000	190,000	200,000	210,000	180,000	180,000	170,000	ug/L
Nickel	760	14	ND(<40)	ND(<40)	640	150	32	59	ug/L
Lead	4	ND(<9.0)	ND(<9.0)	ND(<9.0)	4.2	3.5	ND(<9.0)	ND(<9.0)	ug/L
Zinc	240	7.6	13	7.8	160	14	27	9.9	ug/L

Alternate Treatment System Results - Sampling #2

Date	08/11/2007	to	12/11/2007						
ART#	45612	45614	45615	45616	45613	45617	45618	45619	Units
Parameter	**EHC SYS 1 Feed**	**EHC SYS 1 Sand**	**EHC SYS 1 Aerobic**	**EHC SYS 1 Anaerobic**	**EHC SYS 2 Feed**	**EHC SYS 2 Sand**	**EHC SYS 2 Aerobic**	**EHC SYS 2 Anaerobic**	
ClO4	3,500	70	80	72	3,100	ND (<20)	ND (<20)	ND (<20)	ug/L
ClO3	7.47	ND (0.8)	ND (0.8)	ND (0.8)	5.31	ND (<4)	ND (<4)	ND (<4)	mg/L
TOC	8	25	25	34	10	12	19	29	mg/L
TKN	5.1	4.5	4.6	3.1	5.7	ND (<0.5)	3.3	0.85	mg/L
NH3-N	4.5	3.2	3.4	2.6	4.2	3	2.6	0.82	mg/L
TSS	150	110	170	180	100	54	150	60	mg/L
TVS	23	14	24	26	16	9	25	11	mg/L
VOC									
Chlorobenzene	400	480	1,700	570	280	320	1,300	490	ug/L
Chloroform	6.6	ND(<10)	15	ND(<20)	4.6	ND(<10)	11	2	ug/L
cis-1,2-Dichloroethene	ND(<10)	15	14	8.5	ND(<10)	16	13	9.6	ug/L
Chloroethane	32	32	ND(<80)	17	17	20	ND(<53)	8.3	ug/L
Methylene Chloride	3.8	7.9	58	31	ND(<50)	22	46	22	ug/L
Toluene	2.3	2.4	ND(<40)	ND(<20)	1.8	ND(<10)	ND(<27)	ND(<10)	ug/L
SVOC									
bis (2-Ethylhexyl) phthalate	ND(<10)	ND(<10)	ND(<10)	ND(<10)	1.2	ND(<10)	ND(<10)	1.2	ug/L
2-Chlorophenol	24	24	67	37	22	21	69	36	ug/L
1,4-Dichlorobenzene	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ug/L
Phenol	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ug/L
OCPs									
4-4'DDD	ND(<0.11)	ND(<0.11)	ND(<0.11)	ND(<0.11)	ND(<0.11)	ND(<0.11)	ND(<0.11)	ND(<0.11)	ug/L
4-4'DDE	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ug/L
Aldrin	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ug/L
B-BHC	ND(<0.06)	ND(<0.06)	ND(<0.06)	0.0092	ND(<0.06)	ND(<0.06)	ND(<0.06)	ND(<0.06)	ug/L
Delta-BHC	ND(<0.09)	ND(<0.09)	ND(<0.09)	ND(<0.09)	ND(<0.09)	ND(<0.09)	ND(<0.09)	ND(<0.09)	ug/L
Endosulfan I	ND(<0.02)	0.0063	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ug/L
Endrin Ketone	ND(<0.10)	ND(<0.10)	ND(<0.10)	ND(<0.10)	ND(<0.10)	ND(<0.10)	ND(<0.10)	ND(<0.10)	ug/L
Endrin	ND(<0.06)	ND(<0.06)	0.0092	0.021	ND(<0.06)	ND(<0.06)	0.039	0.017	ug/L
Gamma-BHC	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ug/L
Heptachlor	ND(<0.03)	ND(<0.03)	0.016	0.01	ND(<0.03)	ND(<0.03)	0.014	0.011	ug/L
Methoxychlor	ND(<1.8)	ND(<1.8)	ND(<1.8)	ND(<1.8)	ND(<1.8)	ND(<1.8)	ND(<1.8)	ND(<1.8)	ug/L
Total OCPs Detected									ug/L
Anions									
Chloride	1,600	1,700	1,600	1,600	7,800	8,200	8,100	7,900	mg/L
Sulfate	1,300	1,100	1,200	1,100	1,200	980	1,100	800	mg/L
Nitrate	ND(<2.5)	0.23	ND(<2.5)	ND(<2.5)	0.45	ND(<5.0)	ND(<5.0)	ND(<5.0)	mg/L
Metals									
Arsenic	ND(<15)	ND(<15)	ND(<15)	4.6	ND(<15)	ND(<15)	ND(<15)	5.3	ug/L
Chromium	3.8	ND(<10)	ND(<10)	ND(<10)	37	ND(<10)	ND(<10)	ND(<10)	ug/L
Copper	6.8	ND(<15)	ND(<15)	ND(<15)	6.5	ND(<15)	ND(<15)	ND(<15)	ug/L
Iron	120,000	67,000	120,000	91,000	72,000	26,000	72,000	37,000	ug/L
Nickel	ND(<40)	ND(<40)	ND(<40)	ND(<40)	31	ND(<40)	ND(<40)	ND(<40)	ug/L
Lead	ND(<9.0)	ND(<9.0)	ND(<9.0)	ND(<9.0)	ND(<9.0)	ND(<9.0)	ND(<9.0)	ND(<9.0)	ug/L

Zinc	13	ND(<20)	5.4	ND(<20)	11	ND(<20)	ND(<20)	ND(<20)	ug/L

Alternate Treatment System Results - Sampling #3

Date	29/11/2007	to	03/12/2007						
ART#	45696	45698	45699	45700	45697	45701	45702	45703	Units
Parameter	**EHC SYS 1 Feed**	**EHC SYS 1 Sand**	**EHC SYS 1 Aerobic**	**EHC SYS 1 Anaerobic**	**EHC SYS 2 Feed**	**EHC SYS 2 Sand**	**EHC SYS 2 Aerobic**	**EHC SYS 2 Anaerobic**	
ClO4	1,300	ND (<0.1)	ND (<0.1)	ND (<0.1)	1,100	ND (<0.1)	ND (<0.1)	ND (<0.1)	ug/L
ClO3	1.83	ND (<0.1)	ND (<0.1)	ND (<0.1)	1.72	ND (<0.1)	ND (<0.1)	ND (<0.1)	mg/L
TOC	9.3	17	16	14	10	16	13	12	mg/L
TKN	4.8	4	4.2	3	4.1	5.3	12	9.3	mg/L
NH3-N	3.8	3.3	3.1	2.4	3.7	5.5	11	8.7	mg/L
TSS	110	180	230	200	120	110	110	86	mg/L
TVS	ND(<4.0)	31	38	33	22	21	31	24	mg/L
TP	2.80	0.27	1.00	0.54	1.60	0.23	0.70	0.46	mg/L
VOC									
Chlorobenzene	740	780	840	280	410	540	530	180	ug/L
Chloroform	8	ND(<20)	7.2	2.7	5.1	ND(<20)	3.3	2.5	ug/L
cis-1,2-Dichloroethene	ND(<20)	15	14	7.8	ND(<10)	21	12	10	ug/L
Chloroethane	28	27	12	21	16	ND(<40)	ND(<40)	11	ug/L
Methylene Chloride	8.8	11	15	8.1	3.9	15	15	7.7	ug/L
Toluene	ND(<20)	ND(<20)	ND(<20)	ND(<10)	ND(<10)	ND(<20)	ND(<20)	ND(<5.0)	ug/L
SVOC									
bis (2-Ethylhexyl) phthalate	2.2	1.9	2.6	2.3	2.4	1.7	2.4	ND(<10)	ug/L
2-Chlorophenol	28	25	26	24	29	19	22	16	ug/L
1,4-Dichlorobenzene	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ug/L
Phenol	ND(<10)	ND(<10)	ND(<10)	ND(<10)	1.1	1.0	8.1	7.5	ug/L
OCPs									
4-4'DDD	ND(<0.11)	ND(<0.11)	ND(<0.11)	ND(<0.11)	ND(<0.11)	ND(<0.11)	ND(<0.11)	ND(<0.11)	ug/L
4-4'DDE	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ug/L
Aldrin	0.011	0.0075	ND(<0.04)	0.0099	ND(<0.04)	0.018	ND(<0.04)	ND(<0.04)	ug/L
B-BHC	ND(<0.06)	ND(<0.06)	0.015	ND(<0.06)	ND(<0.06)	0.0098	0.012	0.019	ug/L
Delta-BHC	ND(<0.09)	0.015	ND(<0.09)	0.0073	ND(<0.09)	0.014	0.0072	0.0061	ug/L
Endosulfan I	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)	ug/L
Endosulfan II	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	0.011	ND(<0.04)	ND(<0.04)	ug/L
Endrin Ketone	ND(<0.10)	ND(<0.10)	ND(<0.10)	ND(<0.10)	ND(<0.10)	ND(<0.10)	ND(<0.10)	ND(<0.10)	ug/L
Endrin	ND(<0.06)	ND(<0.06)	ND(<0.06)	ND(<0.06)	ND(<0.06)	ND(<0.06)	ND(<0.06)	ND(<0.06)	ug/L
Gamma-BHC	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)	ug/L
Heptachlor	ND(<0.03)	ND(<0.03)	ND(<0.03)	ND(<0.03)	ND(<0.03)	ND(<0.03)	ND(<0.03)	ND(<0.03)	ug/L
Methoxychlor	ND(<1.8)	ND(<1.8)	ND(<1.8)	ND(<1.8)	ND(<1.8)	ND(<1.8)	ND(<1.8)	ND(<1.8)	ug/L
Total OCPs Detected									ug/L
Anions									
Chloride	1,600	1,700	1,700	1,700	8,100	8,500	8,000	8,700	mg/L
Sulfate	1,300	1,300	1,300	1,300	1,200	1,200	1,100	1,100	mg/L
Nitrate	0.22	0.36	0.23	0.23	0.48	ND(<5.0)	ND(<5.0)	0.47	mg/L
Metals									
Arsenic	ND(<15)	ND(<15)	ND(<15)	ND(<15)	ND(<15)	ND(<15)	ND(<15)	ND(<15)	ug/L
Cadmium	5	1.2	2	1.7	3	4.1	1.2	0.52	ug/L
Chromium	12	ND(<10)	ND(<10)	ND(<10)	32	ND(<10)	ND(<10)	ND(<10)	ug/L
Copper	6.6	ND(<15)	ND(<15)	ND(<15)	ND(<15)	ND(<15)	ND(<15)	ND(<15)	ug/L
Iron	150,000	160,000	74,000	63,000	59,000	87,000	28,000	21,000	ug/L
Nickel	ND(<40)	ND(<40)	ND(<40)	ND(<40)	11	ND(<40)	ND(<40)	ND(<40)	ug/L
Lead	ND(<9.0)	ND(<9.0)	ND(<9.0)	ND(<9.0)	ND(<9.0)	ND(<9.0)	ND(<9.0)	ND(<9.0)	ug/L
Zinc	58	4.6	ND(<20)	7.3	57	8.6	5.8	6.8	ug/L

Alternate Treatment System Results - Final

Date	09/01/2008	to	14/01/2008								
ART#	45802	45804	45805	45806	45807	45803	45808	45809	45810	45811	Units
ART#	45812	45814	45815	45816	45817	45813	45818	45819	45820	45821	
Parameter	**SYS 1 Feed**	**Sys 1 EHC**	**Sys 1 Sand**	**SYS 1 Aerobic**	**SYS 1 Anaerobic**	**SYS 2 Feed**	**Sys 2 EHC**	**SYS 2 Sand**	**SYS 2 Aerobic**	**SYS 2 Anaerobic**	
ClO4	1,800	ND (<0.1)	ND (<0.1)	0.011	ND (<0.1)	1,500	ND (<0.1)	ND (<0.1)	ND (<0.1)	ND (<0.1)	ug/L
ClO4 (second sample #)	1,700	ND (<0.1)	ND (<0.1)	0.013	ND (<0.1)	1,600	ND (<0.1)	ND (<0.1)	ND (<0.1)	ND (<0.1)	ug/L
ClO3	ND (<0.8)		ND (<0.8)	ND (<0.8)	ND (<0.8)	ND (<4)		ND (<4)	ND (<4)	ND (<4)	mg/L
TOC	10		8.7	7.4	7.4	12		11	9.7	9.8	mg/L
TKN	5.6		5.6	6.9	6.4	5.4		5	5.5	4.5	mg/L
NH3-N	4.5		4.8	5.5	5.6	4.2		4.1	5.2	4.4	mg/L
TSS	200		89	98	120	170		120	92	120	mg/L
TVS	26		10	12	15	22		15	12	15	mg/L
Total Phosphate (as P)	4.50		0.15	0.13	0.077	3.70		0.16	0.083	0.08	mg/L
Alkalinity	180		170	180	190	210		250	240	250	mg/L
VOC											
Chlorobenzene	1,100		1,100	720	680	1,100		1,100	460	560	ug/L
Chloroform	8.1		ND(<27)	4.6	ND(<20)	7.1		4.6	3.7	4.0	ug/L
cis-1,2-Dichloroethene	ND(<27)		9.9	7.5	7.5	ND(<27)		13	8.5	9.0	ug/L
Chloroethane	32		28	25	27	32		25	23	24	ug/L
Methylene Chloride	ND(<130)		15	13	12	ND(<130)		13	12	12	ug/L
Toluene	ND(<27)		ND(<27)	ND(<27)	ND(<20)	ND(<27)		ND(<20)	ND(<20)	ND(<20)	ug/L
SVOC											
bis (2-Ethylhexyl) phthalate	ND(<10)		ND(<10)	1.4	ND(<10)	1.1		ND(<10)	1.3	ND(<10)	ug/L
2-Chlorophenol	27		28	31	38	31		30	28	31	ug/L
1,4-Dichlorobenzene	ND(<10)		ND(<10)	ND(<10)	ND(<10)	ND(<10)		ND(<10)	ND(<10)	ND(<10)	ug/L
Phenol	1.3		ND(<10)	ND(<10)	1.1	0.97		ND(<10)	ND(<10)	ND(<10)	ug/L
2,4,6-Trichlorophenol	ND(<20)		1.0	ND(<20)	ND(<20)	ND(<20)		ND(<20)	ND(<20)	ND(<20)	ug/L
OCPs											
4-4'DDD	ND(<0.11)		ND(<0.11)	ND(<0.11)	ND(<0.11)	ND(<0.11)		ND(<0.11)	ND(<0.11)	ND(<0.11)	ug/L
4-4'DDE	ND(<0.04)		ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)		ND(<0.04)	ND(<0.04)	ND(<0.04)	ug/L
Aldrin	ND(<0.04)		ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)		ND(<0.04)	ND(<0.04)	ND(<0.04)	ug/L
B-BHC	ND(<0.06)		ND(<0.06)	ND(<0.06)	ND(<0.06)	ND(<0.06)		ND(<0.06)	ND(<0.06)	ND(<0.06)	ug/L
Delta-BHC	ND(<0.09)		ND(<0.09)	ND(<0.09)	ND(<0.09)	ND(<0.09)		ND(<0.09)	ND(<0.09)	ND(<0.09)	ug/L
Endosulfan I	ND(<0.02)		ND(<0.02)	ND(<0.02)	ND(<0.02)	ND(<0.02)		ND(<0.02)	ND(<0.02)	ND(<0.02)	ug/L
Endosulfan II	ND(<0.04)		ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)		ND(<0.04)	ND(<0.04)	ND(<0.04)	ug/L
Endrin Ketone	ND(<0.10)		ND(<0.10)	ND(<0.10)	ND(<0.10)	ND(<0.10)		ND(<0.10)	ND(<0.10)	ND(<0.10)	ug/L
Endrin	ND(<0.06)		ND(<0.06)	ND(<0.06)	ND(<0.06)	ND(<0.06)		ND(<0.06)	ND(<0.06)	ND(<0.06)	ug/L
Gamma-BHC	ND(<0.04)		ND(<0.04)	ND(<0.04)	ND(<0.04)	ND(<0.04)		ND(<0.04)	ND(<0.04)	ND(<0.04)	ug/L
Heptachlor	ND(<0.03)		ND(<0.03)	ND(<0.03)	ND(<0.03)	ND(<0.03)		ND(<0.03)	ND(<0.03)	ND(<0.03)	ug/L
Methoxychlor	ND(<1.8)		ND(<1.8)	ND(<1.8)	ND(<1.8)	ND(<1.8)		ND(<1.8)	ND(<1.8)	ND(<1.8)	ug/L
Total OCPs Detected											ug/L

Anions									
Chloride	1,500	1,600	1,600	1,600	6,900	7,200	7,100	7,300	mg/L
Sulfate	1,300	1,300	1,300	1,400	1,200	1,200	1,200	1,200	mg/L
Nitrate	ND(<2.5)	0.21	0.21	ND(<2.5)	ND(<5.0)	ND(<5.0)	ND(<5.0)	ND(<5.0)	mg/L
Metals									
Arsenic	4.7	ND(<15)	ND(<15)	ND(<15)	ND(<15)	ND(<15)	ND(<15)	ND(<15)	ug/L
Cadmium	ND(<5.0)	ND(<5.0)	ND(<5.0)	ND(<5.0)	1.3	1.5	0.45	ND(<5.0)	ug/L
Dissolved Cadmium	ND(<5.0)	ND(<5.0)	ND(<5.0)	ND(<5.0)	0.65	ND(<5.0)	ND(<5.0)	ND(<5.0)	ug/L
Calcium	70000	76000	79000	80000	68000	80000	84000	85000	ug/L
Chromium	4.4	ND(<10)	ND(<10)	ND(<10)	54	ND(<10)	ND(<10)	ND(<10)	ug/L
Chromium 6+	7.0	ND(<20)	ND(<20)	ND(<20)	ND(<20)	ND(<20)	ND(<20)	26	ug/L
Dissolved Cr 6+	7.0	ND(<20)	ND(<20)	ND(<20)	ND(<20)	ND(<20)	ND(<20)	ND(<20)	ug/L
Copper	5.9	ND(<15)	ND(<15)	ND(<15)	4.8	ND(<15)	9.4	6.8	ug/L
Dissolved Copper	ND(<15)	ND(<15)	ND(<15)	ND(<15)	12	ND(<15)	ND(<15)	4.6	ug/L
Iron	160,000	110,000	35,000	63,000	120,000	120,000	34,000	40,000	ug/L
Dissolved Iron	110,000	50,000	6,300	6,500	83,000	24,000	1,800	2,300	ug/L
Magnesium	10,000	11,000	11,000	11,000	17,000	19,000	19,000	19,000	ug/L
Manganese	1,300	1,100	950	950	1,200	1,200	1,100	1,000	ug/L
Nickel	ND(<40)	ND(<40)	ND(<40)	ND(<40)	ND(<40)	ND(<40)	ND(<40)	11	ug/L
Dissolved Nickel	ND(<40)	ND(<40)	ND(<40)	ND(<40)	ND(<40)	ND(<40)	ND(<40)	9.0	ug/L
Lead	2.7	ND(<9.0)	ND(<9.0)	ND(<9.0)	ND(<9.0)	ND(<9.0)	ND(<9.0)	ND(<9.0)	ug/L
Zinc	14	4.9	6.6	5.5	12	10	7.7	7.6	ug/L
Dissolved Zinc	5.3	4.7	ND(<20)	ND(<20)	23	8.0	ND(<20)	ND(<20)	ug/L