TABLES

TABLE 2-1
2013 MONTHLY GROUNDWATER EXTRACTION VOLUMES AND RATES
Baldwin Park Operable Unit
San Gabriel Valley, California

Extraction Well	Design Extraction Rates (gpm)	Target Operational Extraction Rates (gpm)	EPA Approved Extraction Rates (gpm)	January 2013 Well Production (acre-feet)	January 2013 Production Rate[1] (gpm)	February 2013 Well Production (acre-feet)	February 2013 Production Rate[1] (gpm)	March 2013 Well Production (acre-feet)	March 2013 Production Rate[1] (gpm)	April 2013 Well Production (acre-feet)	April 2013 Production Rate[1] (gpm)	May 2013 Well Production (acre-feet)	May 2013 Production Rate[1] (gpm)	June 2013 Well Production (acre-feet)	June 2013 Production Rate[1] (gpm)	July 2013 Well Production (acre-feet)	July 2013 Production Rate[1] (gpm)	August 2013 Well Production (acre-feet)	August 2013 Production Rate[1] (gpm)	September 2013 Well Production (acre-feet)	September 2013 Production Rate[1] (gpm)	October 2013 Well Production (acre-feet)	October 2013 Production Rate[1] (gpm)	November 2013 Well Production (acre-feet)	November 2013 Production Rate[1] (gpm)	December 2013 Well Production (acre-feet)	December 2013 Production Rate[1] (gpm)	Total Annual Production (acre-feet)	Average Annual Production Rate (gpm)	2013 Variance (%)
Subarea 1																														
VCWD SA-1 Subproject																														
SA1-1	3,400	3,000	3,000	277.369	2,025	140.463	1,135	270.643	1,976	220.508	1,663	216.468	1,580	41.297	311	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	**1,167**	**724**	
SA1-2	2,400	2,200	2,000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	**0**	**0**	
SA1-3 (VCWD Lante)	2,000	1,800	1,000	486.101	3,548	303.423	2,452	471.639	3,443	446.71	3,369	485.871	3,547	404.38	3,050	423.686	3,093	439.548	3,208	54.129	408	0.000	0	0.000	0	117.485	858	**3,633**	**2,248**	
Subtotal	**7,800**	**7,000**	**6,000**	**763.47**	**5,573**	**443.886**	**3,587**	**742.282**	**5,418**	**667.218**	**5,033**	**702.339**	**5,127**	**445.677**	**3,362**	**423.686**	**3,093**	**439.548**	**3,208**	**54.129**	**408**	**0.000**	**0**	**0.000**	**0**	**117.485**	**858**	**4,800**	**2,972**	**49.5**
Subarea 3																														
LPVCWD Subproject																														
LPVCWD 2	Standby	Standby	Standby	0.000	0	0.534	4	4.594	34	5.521	42	8.065	59	3.986	30	5.315	39	5.193	38	6.218	47	8.261	60	4.134	31	3.437	25	**55**	**34**	
LPVCWD 3	Standby	Standby	Standby	0.000	0	0.924	7	5.748	42	5.794	44	11.048	81	5.634	43	6.776	49	6.798	50	7.638	58	12.361	90	5.935	45	5.536	40	**74**	**46**	
LPVCWD 5	2,500	2,250	2,250	309.267	2,258	260.045	2,102	280.849	2,050	266.379	2,009	264.308	1,929	261.893	1,975	303.651	2,217	286.788	2,093	299.744	2,261	293.155	2,140	282.715	2,132	297.961	2175	**3,407**	**2,112**	
Subtotal	**2,500**	**2,250**	**2,250**	**309.267**	**2,258**	**261.503**	**2,113**	**291.191**	**2,126**	**277.694**	**2,095**	**283.421**	**2,069**	**271.513**	**2,048**	**315.742**	**2,305**	**298.779**	**2,181**	**313.600**	**2,365**	**313.778**	**2,290**	**292.784**	**2,208**	**306.934**	**2,240**	**3,536**	**2,192**	**97.4**
SGVWC B6 Subproject																														
B6C	-	-	-	0.000	0	0.000	0	0.000	0	0.000	0	0.085	1	0.000	0	0.000	0	0.149	1	0.000	0	0.000	0	0.000	0	0.000	0	**0**	**0**	
B6D	-	-	-	0.000	0	0.067	1	0.064	0	0.000	0	0.149	1	0.000	0	0.000	0	0.195	1	0.000	0	0.000	0	0.000	0	0.000	0	**0**	**0**	
B25A (SA3-1S)	2,800	2,500	2,500	0.181	1	0.124	1	0.950	7	9.513	72	315.840	2,305	333.705	2,517	340.418	2,485	323.551	2,362	0.000	0	0.000	0	0.000	0	0.000	0	**1,324**	**813**	
B25B (SA3-1D)	2,800	2,500	2,500	0.154	1	0.106	1	0.799	6	8.115	61	424.309	3,097	360.948	2,723	368.072	2,687	349.807	2,553	0.000	0	0.000	0	0.000	0	0.000	0	**1,512**	**927**	
B26A (SA3-2S)	1,100	1,000	750	151.492	1,106	131.217	1,060	25.220	184	6.602	50	118.157	862	113.382	855	107.663	786	104.114	760	0.000	0	0.000	0	0.000	0	0.000	0	**758**	**472**	
B26B (SA3-2D)	1,100	1,000	750	149.738	1,093	133.076	1,075	24.945	182	6.857	52	158.506	1,157	155.661	1,174	148.010	1,080	143.246	1,046	0.000	0	0.000	0	0.000	0	0.000	0	**920**	**572**	
Subtotal	**7,800**	**7,000**	**6,500**	**301.565**	**2,201**	**264.590**	**2,138**	**51.979**	**379**	**31.087**	**234**	**1,017.046**	**7,423**	**963.696**	**7,269**	**964.163**	**7,038**	**921.063**	**6,723**	**0.000**	**0**	**0.000**	**0**	**0.000**	**0**	**0.000**	**0**	**4,515**	**2,784**	**42.8**
SGVWC B5 Subproject																														
B5B	3,300	3,000	3,000	287.259	2,097	281.03	2271.000	413.551	3,019	394.176	2,973	409.777	2,991	392.553	2,961	404.972	2,956	404.199	2,950	359.438	2,711	388.774	2,838	369.892	2,790	147.149	1,074	**4,253**	**2,636**	
B5E	3,300	3,000	3,000	299.433	2,186	403.118	3,258	434.215	3,170	415.691	3,135	426.848	3,116	404.403	3,050	394.977	2,883	417.902	3,050	399.534	3,014	400.553	2,924	382.456	2,885	408.877	2,984	**4,788**	**2,971**	
B5D	Standby	Standby	Standby	126.823	926	81.483	659	3.106	23	8.444	64	0.957	7	0.783	6	21.001	153	1.361	10	0.588	4	1.662	12	6.651	50	209.727	1531	**463**	**287**	
COI 5	1,200	1,000	1,000	172.202	1,257	110.459	893	156.795	1,145	155.503	1,173	157.736	1,151	157.140	1,185	160.739	1,173	157.904	1,153	153.567	1,158	154.449	1,127	150.457	1,135	157.817	1,152	**1,845**	**1,142**	
Subtotal	**7,800**	**7,000**	**7,000**	**885.717**	**6,465**	**876.090**	**7,080**	**1,007.668**	**7,355**	**973.814**	**7,345**	**995.318**	**7,265**	**954.878**	**7,202**	**981.689**	**7,166**	**981.366**	**7,163**	**913.127**	**6,887**	**945.438**	**6,901**	**909.456**	**6,859**	**923.570**	**6,741**	**11,348**	**7,036**	**100.5**
Total	**25,900**	**23,250**	**21,750**	**2,260.019**	**16,497**	**1,846.069**	**14,919**	**2,093.119**	**15,279**	**1,949.813**	**14,707**	**2,998.124**	**21,884**	**2,635.764**	**19,882**	**2,685.280**	**19,601**	**2,640.756**	**19,276**	**1,280.856**	**9,660**	**1,259.216**	**9,192**	**1,202.240**	**9,067**	**1,347.99**	**9,839**	**24,199**	**14,983**	**68.9**

Notes:
[1] - Average production rates estimated by dividing the total monthly well production by the number of minutes in each month.
gpm - gallons per minute.
1 acre-foot = 325,821 gallons.

TABLE 3-1
2013 POTENTIOMETRIC MONITORING
NETWORK AND MEASUREMENT FREQUENCY
Baldwin Park Operable Unit
San Gabriel Vally, California

Well Name	Site ID	Measurement Frequency		
		Weekly	Quarterly	Semi-Annual
Extraction Wells				
COI 5	08000097		x	
LPVCWD 05	08000209		x	
SA1-1	08000185		x	
SA1-2	08000186		x	
SA1-3 (LANTE)	08000060		x	
SGVWC B25A	08000187		x	
SGVWC B25B	08000188		x	
SGVWC B26A	08000189		x	
SGVWC B26B	08000190		x	
SGVWC B5B	61900719		x	
SGVWC B5E	08000205		x	
Piezometers				
PZ1-1AD	PZ1-1AD		x	
PZ1-1AS	PZ1-1AS		x	
PZ1-1BD	PZ1-1BD		x	
PZ1-1BS	PZ1-1BS		x	
PZ1-2AD	PZ1-2AD		x	
PZ1-2AS	PZ1-2AS		x	
PZ1-2BD	PZ1-2BD		x	
PZ1-2BS	PZ1-2BS		x	
PZ1-3AD	PZ1-3AD		x	
PZ1-3AS	PZ1-3AS		x	
PZ1-3BD	PZ1-3BD		x	
PZ1-3BS	PZ1-3BS		x	
PZ3-1AD	PZ3-1AD		x	
PZ3-1AS	PZ3-1AS		x	
PZ3-1BD	PZ3-1BD		x	
PZ3-1BS	PZ3-1BS		x	
PZ3-2AD	PZ3-2AD		x	
PZ3-2AS	PZ3-2AS		x	
PZ3-2BD	PZ3-2BD		x	
PZ3-2BS	PZ3-2BS		x	
PZ3-5EAD	PZ3-5EAD		x	
PZ3-5EAS	PZ3-5EAS		x	
PZ3-5EBD	PZ3-5EBD		x	

TABLE 3-1
2013 POTENTIOMETRIC MONITORING
NETWORK AND MEASUREMENT FREQUENCY
Baldwin Park Operable Unit
San Gabriel Vally, California

Well Name	Site ID	Measurement Frequency		
		Weekly	Quarterly	Semi-Annual
PZ3-5EBS	PZ3-5EBS		x	
PZ3-CI5AD	PZ3-CI5AD		x	
PZ3-CI5AS	PZ3-CI5AS		x	
PZ3-CI5BD	PZ3-CI5BD		x	
PZ3-CI5BS	PZ3-CI5BS		x	
PZ3-LP3AD	PZ3-LP3AD		x	
PZ3-LP3AS	PZ3-LP3AS		x	
PZ3-LP3BD	PZ3-LP3BD		x	
PZ3-LP3BS	PZ3-LP3BS		x	
PZ3-5BA	PZ3-5BAS		x	
PZ3-5BB	PZ3-5BBS		x	
SGVWC B5A	61900718		x	
Multiport Monitoring Wells				
MW 5-01	EPAW51			x
MW 5-03	BPW503			x
MW 5-05	BPW505			x
MW 5-08	BPW508			x
MW 5-11	BPW511			x
MW 5-13	BPW513			x
MW 5-15	BPW515			x
MW 5-17	BPW517			x
MW 5-18	BPW518			x
MW 5-19	BPW519			x
MW 5-20	BPW520			x
MW 5-22	BPW522			x
MW 5-23	BPW523			x
MW 5-24	BPW524			x
MW 5-25	BPW525			x
MW 5-26	BPW526			x
MW 5-27	BPW527			x
WHICO MP-1	W10WHMP1			x
Other Monitoring Wells				
LACO KEY	Z1000006	x		

TABLE 3-2
SUMMARY OF PSEP AND DPH REQUIREMENTS FOR SOURCE WATER AND UPGRADIENT SURVEILLANCE MONITORING
Baldwin Park Operable Unit
San Gabriel Valley, California

Well Name	Site ID	Port or Sampling Depth (ft bgs)	PSEP Requirements: Analytes and Sampling Frequency [a]						DPH Requirements									
									EPA Method 524.2	EPA Method 1625C (MOD)	EPA Method 521	EPA Method 314.0	EPA Method 300.0	EPA Method 353.2	EPA Method 8270C (MOD)	EPA Method 525.2 or 625 or 8270C	EPA Method 524.2 SIM (MOD)	Various Methods
			VOCs	123-TCP	1,4-Dioxane	NDMA	Perchlorate	Nitrate, Sulfate	VOCs including TICs	NDMA	Nitrosamines	Perchlorate	NO_3	SO_4	1,4-Dioxane	SVOCs including TICs	123-TCP	Title 22 Non-Volatile SOCs[d]
Extraction Wells																		
COI 5[b]	08000097		Q	Q		Q	Q	Q	M[c]	M	M	M	M		M	A	M	
LPVCWD 05[b]	08000209		Q	A	Q	Q	Q	Q	M[c]	M		M	M	M	M	A	A	
SA1-1[b]	08000185		Q	Q	Q	Q	Q	Q	M[c]	M		M	M	M	M	A	M	
SA1-2[b]	08000186		Q	Q	Q	Q	Q	Q	M[c]	M		M	M	M	M	A	M	
SA1-3 (Lante)[b]	08000060		Q	Q	Q	Q	Q	Q	M[c]	M		M	M	M	M	A	M	
SGVWC B25A[b]	08000187		Q	Q	Q	Q	Q	Q	M[c]	M		M	M	M	M	A		
SGVWC B25B[b]	08000188		Q	Q	Q	Q	Q	Q	M[c]	M		M	M	M	M	A		
SGVWC B26A[b]	08000189		Q	Q	Q	Q	Q	Q	M[c]	M		M	M	M	M	A		
SGVWC B26B[b]	08000190		Q	Q	Q	Q	Q	Q	M[c]	M		M	M	M	M	A		
SGVWC B5B[b]	61900719		Q	Q		Q	Q	Q	M[c]	M	M	M	M		M	A	M	
SGVWC B5E[b]	08000205		Q	Q		Q	Q	Q	M[c]	M	M	M	M		M	A	M	
Multiport Monitoring Wells																		
MW5-01	BPW501	Port 13	A		A	A	A	A										
		Port 12	A		A	A	A	A										
		Port 11	A		A	A	A	A										
		Port 10	A		A	A	A	A										
		Port 9	A		A	A	A	A										
		Port 8	A			A	A	A										
		Port 7	A			A	A	A										
		Port 6	A			A	A	A										
		Port 5	A			A	A	A										
		Port 4	A			A	A	A										
		Port 3	A			A	A	A										
		Port 2	A			A	A	A										
		Port 1	A			A	A	A										
MW5-03[b]	BPW503	Port 10	SA	A	SA	SA	SA	SA	A[c]	A	A	A	A		A	A	A	
		Port 9	SA	A	SA	SA	SA	SA	A[c]	A	A	A	A		A	A	A	A
		Port 8	SA	A	SA	SA	SA	SA	A[c]	A	A	A	A		A	A	A	
		Port 7	SA	A	SA	SA	SA	SA	A[c]	A	A	A	A		A	A	A	
		Port 6	SA	A	SA	SA	SA	SA	A[c]	A	A	A	A		A	A	A	A
		Port 5	SA	A		SA	SA	SA	A[c]	A	A	A	A		A	A	A	
		Port 4	A	A		A	A	A	A[c]	A	A	A	A		A	A	A	
		Port 3	A	A		A	A	A	A[c]	A	A	A	A		A	A	A	

TABLE 3-2
SUMMARY OF PSEP AND DPH REQUIREMENTS FOR SOURCE WATER AND UPGRADIENT SURVEILLANCE MONITORING
Baldwin Park Operable Unit
San Gabriel Valley, California

Well Name	Site ID	Port or Sampling Depth (ft bgs)	PSEP Requirements: Analytes and Sampling Frequency [a]						DPH Requirements									
									EPA Method 524.2	EPA Method 1625C (MOD)	EPA Method 521	EPA Method 314.0	EPA Method 300.0	EPA Method 353.2	EPA Method 8270C (MOD)	EPA Method 525.2 or 625 or 8270C	EPA Method 524.2 SIM (MOD)	Various Methods
			VOCs	123-TCP	1,4-Dioxane	NDMA	Perchlorate	Nitrate, Sulfate	VOCs including TICs	NDMA	Nitrosamines	Perchlorate	NO_3	SO_4	1,4-Dioxane	SVOCs including TICs	123-TCP	Title 22 Non-Volatile SOCs[d]
		Port 2	A	A		A	A	A	A[c]	A	A	A	A		A	A	A	
		Port 1	A	A		A	A	A	A[c]	A	A	A	A		A	A	A	
MW5-05[b]	BPW505	Port 4	A		A	A	A	A	A[c]	A		A	A		A	A		
		Port 3	A		A	A	A	A	A[c]	A		A	A		A	A		
		Port 2	A		A	A	A	A	A[c]	A		A	A		A	A		
		Port 1	A		A	A	A	A	A[c]	A		A	A		A	A		
MW5-08[b]	BPW508	Port 4	A		A	A	A	A	A[c]	A		A	A		A	A		
		Port 3	A		A	A	A	A	A[c]	A		A	A		A	A		
		Port 2	A		A	A	A	A	A[c]	A		A	A		A	A		
		Port 1	A			A	A	A	A[c]	A		A	A		A	A		
MW5-11[b]	BPW511	Port 3	A	A	A	A	A	A	A[c]	A	A	A	A		A	A	A	A
		Port 2	A	A	A	A	A	A	A[c]	A	A	A	A		A	A	A	A
		Port 1	A	A	A	A	A	A	A[c]	A	A	A	A		A	A	A	
MW5-13[b]	BPW513	Port 3	A	E	A	A	A	A	BIE[c]	BIE	BIE	BIE	BIE		BIE	BIE	BIE	BIE
		Port 2	A	E	A	A	A	A	BIE[c]	BIE	BIE	BIE	BIE		BIE	BIE	BIE	BIE
		Port 1	A	E	A	A	A	A	BIE[c]	BIE	BIE	BIE	BIE		BIE	BIE	BIE	
MW5-15[b]	BPW515	Port 3	A		A	A	A	A	A[c]	A		A	A		A	A		
		Port 2	A		A	A	A	A	A[c]	A		A	A		A	A		
		Port 1	A		A	A	A	A	A[c]	A		A	A		A	A		
MW5-17[b]	BPW517	Port 3	A	E	A	A	A	A	BIE[c]	BIE	BIE	BIE	BIE		BIE	BIE	BIE	BIE
		Port 2	A	E	A	A	A	A	BIE[c]	BIE	BIE	BIE	BIE		BIE	BIE	BIE	BIE
		Port 1	A	E	A	A	A	A	BIE[c]	BIE	BIE	BIE	BIE		BIE	BIE	BIE	
MW5-18[b]	BPW518	Port 3	A	A	A	A	A	A	A[c]	A	A	A			A	A	A	A
		Port 2	A	A	A	A	A	A	A[c]	A	A	A			A	A	A	A
		Port 1	A	A		A	A	A	A[c]	A	A	A			A	A	A	
MW5-19	BPW519	Port 6	A		A	A	A	A										
		Port 5	SA		SA	SA	SA	SA										
		Port 4	SA		SA	SA	SA	SA										
		Port 3	SA			SA	SA	SA										
		Port 2	A			A	A	A										
		Port 1	A			A	A	A										
MW5-20	BPW520	Port 7	A			A	A	A										
		Port 6	A			A	A	A										
		Port 5	A		A	A	A	A										

TABLE 3-2
SUMMARY OF PSEP AND DPH REQUIREMENTS FOR SOURCE WATER AND UPGRADIENT SURVEILLANCE MONITORING
Baldwin Park Operable Unit
San Gabriel Valley, California

Well Name	Site ID	Port or Sampling Depth (ft bgs)	PSEP Requirements: Analytes and Sampling Frequency [a]						DPH Requirements									
									EPA Method 524.2	EPA Method 1625C (MOD)	EPA Method 521	EPA Method 314.0	EPA Method 300.0	EPA Method 353.2	EPA Method 8270C (MOD)	EPA Method 525.2 or 625 or 8270C	EPA Method 524.2 SIM (MOD)	Various Methods
			VOCs	123-TCP	1,4-Dioxane	NDMA	Perchlorate	Nitrate, Sulfate	VOCs including TICs	NDMA	Nitrosamines	Perchlorate	NO_3	SO_4	1,4-Dioxane	SVOCs including TICs	123-TCP	Title 22 Non-Volatile SOCs[d]
		Port 4	A		A	A	A	A										
		Port 3	A		A	A	A	A										
		Port 2	A		A	A	A	A										
		Port 1	A			A	A	A										
MW5-22[b]	BPW522	Port 6	A	A		A	A	A	A[c]	A		A	A		A	A	A	
		Port 5	A	A		A	A	A	A[c]	A		A	A		A	A	A	
		Port 4	A	A		A	A	A	A[c]	A		A	A		A	A	A	
		Port 3	A	A		A	A	A	A[c]	A		A	A		A	A	A	
		Port 2	A	A		A	A	A	A[c]	A		A	A		A	A	A	
		Port 1	A	A		A	A	A	A[c]	A		A	A		A	A	A	
MW5-23	BPW523	Port 6	A			A	A	A										
		Port 5	A		A	A	A	A										
		Port 4	A		A	A	A	A										
		Port 3	A		A	A	A	A										
		Port 2	A		A	A	A	A										
		Port 1	A			A	A	A										
MW5-24	BPW524	Port 7	SA		SA	SA	SA	SA										
		Port 6	SA		SA	SA	SA	SA										
		Port 5	SA		SA	SA	SA	SA										
		Port 4	SA		SA	SA	SA	SA										
		Port 3	SA		SA	SA	SA	SA										
		Port 2	SA		SA	SA	SA	SA										
		Port 1	SA		SA	SA	SA	SA										
MW5-25	BPW525	Port 7	SA			SA	SA	SA										
		Port 6	SA			SA	SA	SA										
		Port 5	SA		SA	SA	SA	SA										
		Port 4	SA		SA	SA	SA	SA										
		Port 3	SA		SA	SA	SA	SA										
		Port 2	SA		SA	SA	SA	SA										
		Port 1	SA		SA	SA	SA	SA										
MW5-26	BPW526	Port 7	SA			SA	SA	SA										
		Port 6	SA			SA	SA	SA										
		Port 5	SA			SA	SA	SA										
		Port 4	SA			SA	SA	SA										

TABLE 3-2
SUMMARY OF PSEP AND DPH REQUIREMENTS FOR SOURCE WATER AND UPGRADIENT SURVEILLANCE MONITORING
Baldwin Park Operable Unit
San Gabriel Valley, California

Well Name	Site ID	Port or Sampling Depth (ft bgs)	PSEP Requirements: Analytes and Sampling Frequency [a]						DPH Requirements									
									EPA Method 524.2	EPA Method 1625C (MOD)	EPA Method 521	EPA Method 314.0	EPA Method 300.0	EPA Method 353.2	EPA Method 8270C (MOD)	EPA Method 525.2 or 625 or 8270C	EPA Method 524.2 SIM (MOD)	Various Methods
			VOCs	123-TCP	1,4-Dioxane	NDMA	Perchlorate	Nitrate, Sulfate	VOCs including TICs	NDMA	Nitrosamines	Perchlorate	NO_3	SO_4	1,4-Dioxane	SVOCs including TICs	123-TCP	Title 22 Non-Volatile SOCs[d]
		Port 3	SA			SA	SA	SA										
		Port 2	SA			SA	SA	SA										
		Port 1	SA			SA	SA	SA										
MW5-27	BPW527	Port 7	SA			SA	SA	SA										
		Port 6	SA			SA	SA	SA										
		Port 5	SA			SA	SA	SA										
		Port 4	SA			SA	SA	SA										
		Port 3	SA			SA	SA	SA										
		Port 2	SA			SA	SA	SA										
		Port 1	SA			SA	SA	SA										
WHICO MP-1	W10WHMP1	Port 6	A		A	A	A	A										
		Port 5	A		A	A	A	A										
		Port 4	A		A	A	A	A										
		Port 3	A		A	A	A	A										
		Port 2	A		A	A	A	A										
		Port 1	A		A	A	A	A										
Monitoring Wells																		
AJMW-2R	W11AJMW2R		A		A	A	A	A										
AJMW-4	W11AJMW4		A		A	A	A	A										
AJMW-6	W11AJMW6		A		A	A	A	A										
ALR MW-1R	W11AZW01R		A		A	A	A	A										
ALR MW-8	W11AZW08		A		A	A	A	A										
ALR MW-9	W11AZW09		A		A	A	A	A										
LACO Key	Z1000006		A		A	A	A	A										
Monitoring Well Cluster																		
MW 5-28D	BPW528D		A		A	A	A	A										
MW 5-28I	BPW528I		A		A	A	A	A										
MW 5-28S	BPW528S		A		A	A	A	A										
Production Wells																		
CC E Durbin	01902920		A			A	A	A										
CDWC 03	01903057		A			A	A	A										
CIC Baldwin 1	01900885		A			A	A	A										
LACO SF1	08000070		A		A	A	A	A										
SGVWC B6D	08000098		A		A	A	A	A										

TABLE 3-2
SUMMARY OF PSEP AND DPH REQUIREMENTS FOR SOURCE WATER AND UPGRADIENT SURVEILLANCE MONITORING
Baldwin Park Operable Unit
San Gabriel Valley, California

			PSEP Requirements						DPH Requirements									
			Analytes and Sampling Frequency [a]						EPA Method 524.2	EPA Method 1625C (MOD)	EPA Method 521	EPA Method 314.0	EPA Method 300.0	EPA Method 353.2	EPA Method 8270C (MOD)	EPA Method 525.2 or 625 or 8270C	EPA Method 524.2 SIM (MOD)	Various Methods
Well Name	**Site ID**	**Port or Sampling Depth (ft bgs)**	VOCs	123-TCP	1,4-Dioxane	NDMA	Perchlorate	Nitrate, Sulfate	VOCs including TICs	NDMA	Nitrosamines	Perchlorate	NO_3	SO_4	1,4-Dioxane	SVOCs including TICs	123-TCP	Title 22 Non-Volatile SOCs[d]
SWS 139W2	01901599	285	A			A	A	A										
		370	A			A	A	A										
SWS 139W6	08000152	975	A			A	A	A										
SWS 140W5	08000145		A			A	A	A										
VCWD Big Dalton[b]	01900035	275	A		A	A	A	A	A[c]	A		A	A		A	A		
		410	A		A	A	A	A										
VCWD E Maine	01900027		A			A	A	A										
VCWD Morada	01900029	430	A		A	A	A	A										
		510	A		A	A	A	A										
VCWD Paddy Lane[b]	01900031	340	A		A	A	A	A	A[c]	A		A	A		A	A		
		460	A		A	A	A	A										
VCWD W Maine	01900028		A			A	A	A										

[a] Sampling freqency:
BIE (Biennial)
A (Annual)
SA (Semi-annual)
Q (Quarterly)
M (Monthly
BIW (Biweekly)

[b] DPH required monitoring
[c] TIC analysis annually
[d] Non-volatile synthetic organic chemicals - includes Ethylene Bromide

TABLE 3-3
SPREADING BASIN AND RIVER RECHARGE
GROUNDWATER FLOW MODEL
Baldwin Park Operable Unit
San Gabriel Valley, California

Volumes of water spread in acre-feet

	Spreading Basins														San Gabriel River				Rio Hondo	
Date/Quarter	**Ben Lomond**	**Big Dalton**	**Buena Vista**	**Citrus**	**Eaton Basin**	**Fish Canyon**	**Forbes**	**Irwindale/ Manning**	**Little Dalton**	**Peck Road**	**San Gabriel Canyon**	**Santa Fe**	**Sawpit**	**Walnut**	**Morris Dam - Foothill Blvd**	**Foothill Blvd - Santa Fe Dam**	**Santa Fe Dam - Valley Blvd**	**Valley Blvd - Whittier Narrows**	**Rio Hondo at Whittier Narrows**	**Total**
1982/Q3[a]	923	55	170	0	303	2,622	34	232	0	2,690	2,087	6,257	117	366	8,138	2,120	0	0	0	26,115
1982/Q4[b]	1,445	168	553	0	457	1,973	33	899	0	1,153	1,718	19,422	249	398	4,750	3,923	3,936	3,252	4,432	48,761
1983/Q1[c]	1,071	1,024	286	0	1,514	2,104	418	980	858	26,640	2,642	30,754	1,189	583	6,750	5,044	4,963	6,161	4,500	97,479
1983/Q2[d]	1,475	1,563	145	0	1,198	2,601	671	965	483	17,619	3,011	63,933	1,060	790	6,250	4,857	4,792	4,450	4,066	119,928
1983/Q3	600	226	369	0	312	2,604	421	0	82	5,094	2,048	10,369	429	508	7,250	4,857	3,423	3,252	4,221	46,064
1983/Q4	2,114	433	413	0	1,233	2,588	423	1,171	112	7,040	3,791	7,141	0	860	2,008	1,202	438	362	4,500	35,830
1984/Q1	726	312	287	0	65	2,091	101	382	63	2,201	3,249	9,982	403	535	2,854	1,545	553	686	4,062	30,095
1984/Q2	76	6	222	0	44	1,082	64	0	8	225	1,086	0	220	481	2,642	1,488	534	495	3,972	12,646
1984/Q3	10	21	68	0	52	1,113	2	0	0	437	92	0	96	326	3,065	1,488	381	362	4,129	11,641
1984/Q4	170	85	265	0	723	1,238	112	1,256	44	2,631	553	0	329	133	3,430	1,686	5	4	4,306	16,969
1985/Q1	747	161	144	0	141	1,061	134	858	45	474	3,832	8,468	348	236	4,875	2,167	6	7	4,500	28,204
1985/Q2	145	65	18	0	0	1,828	109	0	24	368	2,589	0	135	0	4,514	2,087	6	5	3,797	15,689
1985/Q3	0	0	14	0	56	1,769	86	0	0	453	593	0	0	430	5,236	2,087	4	4	3,867	14,598
1985/Q4	426	0	218	0	267	1,650	58	782	0	1,558	1,988	22,830	141	877	2,318	2,462	41	34	4,500	40,150
1986/Q1	1,838	331	283	250	1,820	1,415	371	2,246	291	5,896	4,144	21,080	669	878	3,294	3,166	51	64	4,500	52,586
1986/Q2	1,218	140	217	227	155	2,436	971	4,690	60	185	4,360	0	245	112	3,050	3,049	49	46	3,941	25,151
1986/Q3	146	14	111	52	124	2,358	1,199	4,070	0	903	2,008	0	59	175	3,538	3,049	35	34	4,007	21,881
1986/Q4	680	0	58	49	133	731	576	1,309	2	340	349	6,908	130	419	3,720	890	12	10	4,460	20,776
1987/Q1	574	10	101	172	390	627	82	686	8	576	3,297	13,477	132	368	5,287	1,145	15	18	4,500	31,465
1987/Q2	9	35	36	15	101	1,080	831	3,013	0	132	795	3,475	121	645	4,895	1,102	14	13	3,894	20,207
1987/Q3	0	0	49	0	168	1,045	1,139	2,706	0	92	43	0	0	289	5,678	1,102	10	10	3,772	16,102
1987/Q4	286	38	519	171	526	1,259	133	730	58	1,101	2,010	5,684	256	480	8,100	295	0	55	4,500	26,201
1988/Q1	747	142	417	156	394	1,079	151	1,113	63	931	3,655	13,339	335	368	8,016	330	137	105	4,031	35,508
1988/Q2	1,830	126	367	151	248	1,859	646	910	34	4,080	5,184	97	3	423	8,121	100	0	76	4,457	28,710
1988/Q3	669	3	236	8	86	1,799	434	946	0	102	2,469	0	19	420	1,725	405	444	55	4,458	14,278
1988/Q4	126	3	45	162	369	1,418	0	729	0	892	3,440	6,979	153	832	4,604	428	242	1,436	4,222	26,078
1989/Q1	143	213	33	131	364	1,352	250	455	90	598	2,497	18,114	332	308	8,134	2,485	727	2,720	4,500	43,446
1989/Q2	86	28	18	33	31	1,273	563	390	5	130	1,435	2,286	119	328	4,137	1,866	0	1,965	3,783	18,475
1989/Q3	7	6	16	22	92	1,333	516	566	0	90	1,069	0	0	306	2,193	1,437	0	1,436	3,941	13,031
1989/Q4	0	0	106	40	94	333	229	354	0	89	2,741	0	38	346	4,552	2,365	0	4,902	1,932	18,121
1990/Q1	230	0	142	89	561	549	117	438	11	908	5,504	5,196	209	437	7,740	569	224	13,329	3,851	40,104
1990/Q2	187	0	133	1	167	731	779	151	0	270	1,731	5,271	93	273	3,630	264	0	10,013	1,695	25,389
1990/Q3	5	0	135	5	81	581	476	0	0	10	271	3,130	27	275	11,634	371	0	10,983	2,010	29,995
1990/Q4	67	0	123	17	79	213	300	7	0	43	0	2,640	0	119	4,758	69	0	10,538	3,825	22,797
1991/Q1	166	138	352	183	868	150	364	578	130	2,707	2,974	2,216	323	430	8,239	1,024	3,976	29,104	3,909	57,831
1991/Q2	473	159	105	71	68	1,075	292	1,265	40	205	2,147	3,070	104	395	3,165	454	294	2,529	3,281	19,191
1991/Q3	430	0	202	6	69	1,211	225	4,640	0	4,264	3,071	6,493	35	279	16,513	3,407	11,220	5,928	4,332	62,324
1991/Q4	164	0	156	53	307	1,158	274	14,770	1	1,472	1,307	0	27	58	1,859	28	2,859	14,363	4,200	43,054
1992/Q1	877	340	217	204	1,381	259	203	6,440	362	12,517	3,930	20,210	622	910	6,659	14,532	20,020	7,557	4,500	101,740

TABLE 3-3
SPREADING BASIN AND RIVER RECHARGE
GROUNDWATER FLOW MODEL
Baldwin Park Operable Unit
San Gabriel Valley, California

Volumes of water spread in acre-feet

	Spreading Basins														San Gabriel River				Rio Hondo	
Date/Quarter	**Ben Lomond**	**Big Dalton**	**Buena Vista**	**Citrus**	**Eaton Basin**	**Fish Canyon**	**Forbes**	**Irwindale/ Manning**	**Little Dalton**	**Peck Road**	**San Gabriel Canyon**	**Santa Fe**	**Sawpit**	**Walnut**	**Morris Dam - Foothill Blvd**	**Foothill Blvd - Santa Fe Dam**	**Santa Fe Dam - Valley Blvd**	**Valley Blvd - Whittier Narrows**	**Rio Hondo at Whittier Narrows**	**Total**
1992/Q2	1,537	76	20	157	377	644	279	11,020	199	7,752	4,300	24,020	475	480	4,720	5,695	18,140	3,316	4,500	87,706
1992/Q3	866	0	0	5	68	557	219	8,880	0	550	3,089	5,250	93	224	4,581	73	7,350	5,479	4,500	41,785
1992/Q4	1,971	0	159	250	313	180	185	3,710	0	2,374	3,139	7,363	235	1,029	9,674	5,360	11,859	6,641	4,500	58,942
1993/Q1	1,246	231	245	1,634	1,352	750	366	4,960	1,169	3,028	2,093	26,233	1,052	631	23,380	8,221	21,485	9,000	4,500	111,576
1993/Q2	1,109	372	35	958	358	2,276	703	4,200	352	3,303	238	31,510	1,025	1,117	14,260	5,809	10,958	6,904	4,490	89,977
1993/Q3	1,454	48	6	985	79	1,690	753	3,330	9	606	449	8,420	455	286	6,898	4,697	6,275	1,143	3,298	40,882
1993/Q4	1,785	0	72	1,178	178	525	313	2,452	0	1,065	0	7,110	357	281	3,740	3,435	2,176	1,703	2,669	29,038
1994/Q1	1,119	34	125	680	171	375	360	2,145	18	940	0	0	208	60	738	577	3,284	1,879	4,014	16,726
1994/Q2	1,002	108	17	55	21	395	85	1,861	10	312	1,148	13,720	332	351	3,557	2,025	6,979	2,083	3,338	37,399
1994/Q3	141	2	0	105	36	450	832	4,080	0	228	1,838	0	98	177	581	503	338	1,443	2,801	13,653
1994/Q4	495	0	39	265	101	476	124	1,036	0	1,046	3,640	0	164	337	5,019	3,826	6,426	6,426	4,500	33,920
1995/Q1	609	227	211	2,917	718	711	466	4,030	1,149	5,515	2,542	24,857	1,155	557	18,904	7,219	6,732	6,732	4,500	89,750
1995/Q2	751	297	0	2,426	504	2,131	103	1,894	569	3,949	4,257	23,536	928	186	14,031	6,770	9,420	9,420	4,454	85,626
1995/Q3	1,020	150	0	869	122	2,497	664	2,205	48	249	3,386	7,857	292	0	6,265	2,237	4,203	4,203	809	37,076
1995/Q4	1,891	30	19	187	70	1,699	508	2,120	1,840	3,387	664	0	0	0	3,280	592	759	759	1,326	19,131
1996/Q1	1,526	546	127	879	736	1,621	158	977	678	2,107	2,745	0	144	449	3,982	1,969	2,976	2,976	4,110	28,705
1996/Q2	898	296	0	721	89	2,213	401	1,931	1,577	3,364	8,536	11,862	452	184	9,730	4,615	1,759	1,759	2,156	52,543
1996/Q3	847	0	0	110	77	2,300	224	1,009	1,451	2,280	6,035	19,085	207	232	14,960	2,659	2,547	2,547	2,592	59,162
1996/Q4	942	56	87	370	555	2,054	152	1,247	11	2,327	1,056	2,420	199	366	5,710	1,988	4,194	4,194	2,124	30,051
1997/Q1	528	435	43	227	586	1,549	117	1,593	388	2,776	5,550	9,223	550	321	6,852	3,297	3,572	3,572	2,331	43,509
1997/Q2	327	58	18	62	71	1,603	559	4,577	12	2,564	941	0	240	243	3,599	353	2,434	2,434	3,388	23,483
1997/Q3	267	2	24	37	59	1,451	674	6,950	954	2,091	6,320	7,760	96	273	10,530	2,786	2,339	2,339	3,219	48,171
1997/Q4	416	5	59	140	306	811	164	2,694	0	1,008	6,015	5,195	51	458	8,435	5,464	2,140	2,140	2,227	37,728
1998/Q1	632	446	257	1,409	795	990	357	1,913	370	4,756	6,280	8,688	270	504	8,111	7,710	5,447	5,447	3,625	58,006
1998/Q2	805	750	52	1,299	316	2,063	328	3,063	657	7,411	3,920	39,490	705	242	16,306	3,291	10,146	10,146	1,621	102,610
1998/Q3	0	350	10	1,075	72	1,918	326	3,241	199	2,803	1,090	12,860	709	418	11,032	2,732	1,981	1,981	1,547	44,344
1998/Q4	0	0	32	128	197	1,668	56	1,053	102	238	1,518	0	327	232	1,668	7,900	1,153	1,153	1,078	18,502
1999/Q1	0	43	54	223	187	1,382	159	1,400	1,898	915	1,848	0	435	226	785	200	1,317	1,317	2,467	14,856
1999/Q2	0	0	32	857	158	1,494	189	3,363	1,699	224	5,670	0	147	172	1,313	2,335	1,528	1,528	3,193	23,902
1999/Q3	2,397	37	19	525	53	1,587	439	4,850	147	332	5,130	0	0	318	1,823	5,025	1,457	1,457	3,067	28,663
1999/Q4	1,356	0	8	821	128	975	0	1,335	705	333	8,660	131	11	180	1,231	615	3,051	3,051	3,125	25,716
2000/Q1	341	89	54	70	607	823	43	744	1,212	2,786	11,070	554	134	565	1,298	4,344	5,842	5,842	2,081	38,499
2000/Q2	1,262	124	84	88	236	1,179	161	1,620	243	732	8,860	928	113	432	1,550	5,943	5,056	5,056	1,035	34,702
2000/Q3	2,624	0	17	119	101	1,337	443	3,450	218	180	4,250	9,162	138	238	2,240	3,362	2,487	2,487	2,242	35,095
2000/Q4	211	0	41	63	175	1,031	180	2,032	1,683	335	6,972	18,230	127	537	4,605	2,905	3,760	3,760	4,108	50,754
2001/Q1	191	0	103	660	852	1,252	54	1,296	990	3,340	1,994	576	115	1,377	1,146	1,143	4,159	4,159	3,425	26,831
2001/Q2	165	137	37	153	399	1,901	0	109	51	677	3,291	0	142	446	1,328	430	2,898	2,898	1,533	16,594
2001/Q3	0	113	67	0	337	1,556	0	0	0	202	10,360	7,690	89	322	4,249	2,305	3,340	3,340	1,039	35,009
2001/Q4	0	0	76	124	423	1,581	0	114	1,315	732	8,320	10,685	101	258	6,371	4,071	6,518	6,518	4,500	51,707

TABLE 3-3
SPREADING BASIN AND RIVER RECHARGE
GROUNDWATER FLOW MODEL
Baldwin Park Operable Unit
San Gabriel Valley, California

Volumes of water spread in acre-feet

	Spreading Basins														San Gabriel River				Rio Hondo	
Date/Quarter	**Ben Lomond**	**Big Dalton**	**Buena Vista**	**Citrus**	**Eaton Basin**	**Fish Canyon**	**Forbes**	**Irwindale/ Manning**	**Little Dalton**	**Peck Road**	**San Gabriel Canyon**	**Santa Fe**	**Sawpit**	**Walnut**	**Morris Dam - Foothill Blvd**	**Foothill Blvd - Santa Fe Dam**	**Santa Fe Dam - Valley Blvd**	**Valley Blvd - Whittier Narrows**	**Rio Hondo at Whittier Narrows**	**Total**
2002/Q1	77	2	100	142	266	1,093	0	10	455	561	5,871	0	188	476	1,248	123	5,828	5,828	4,500	26,768
2002/Q2	2,219	0	38	101	170	303	138	3,420	968	118	11,010	448	168	294	3,378	131	1,723	1,723	4,397	30,747
2002/Q3	3,029	0	22	25	193	199	260	3,730	0	112	5,532	0	93	347	3,076	25	1,937	1,937	4,500	25,017
2002/Q4	1,179	0	68	0	384	121	405	2,396	560	1,099	11,670	1,189	102	738	1,817	1,587	839	839	4,500	29,493
2003/Q1	0	0	150	26	604	440	0	296	4	2,629	2,907	1,684	244	381	2,088	794	634	634	3,708	17,222
2003/Q2	1,205	0	172	3	247	1,053	0	1,700	52	748	9,690	7,395	190	707	5,771	351	351	351	4,096	34,082
2003/Q3	2,917	0	65	0	90	622	462	5,260	4	1,837	9,310	21,120	48	461	6,056	1,560	171	171	2,443	52,596
2003/Q4	697	0	101	51	246	512	244	2,082	794	975	8,810	18,785	12	423	4,694	605	915	915	4,500	45,360
2004/Q1	133	4	199	144	438	976	168	1,718	849	1,879	6,522	20,347	128	770	4,777	467	491	491	4,500	45,001
2004/Q2	0	22	116	95	118	820	0	1,789	293	302	3,808	0	118	592	2,122	11	1,420	1,420	4,500	17,545
2004/Q3	1,833	0	42	0	128	1,113	164	1,945	0	220	5,654	0	0	360	2,219	0	1,953	1,953	4,500	22,083
2004/Q4	730	26	107	452	598	1,783	257	1,778	0	3,962	8,920	29	9	790	2,013	611	3,499	3,499	6,172	35,235
2005/Q1	2,251	676	89	1,806	1,147	1,142	353	3,938	0	33,190	7,660	38,690	1,139	702	37,384	13,064	41,013	41,013	23,255	248,511
2005/Q2	2,124	413	31	693	438	2,287	616	2,807	288	5,753	5,880	50,860	882	1,055	14,022	4,506	5,388	5,388	6,774	110,204
2005/Q3	3,055	663	21	160	281	2,071	401	3,299	66	407	8,570	25,740	410	714	6,175	1,965	1,775	1,775	1,343	58,890
2005/Q4	634	44	32	244	315	1,627	204	2,022	310	896	8,170	17,783	205	475	10,440	4,061	4,854	4,854	4,630	61,800
2006/Q1	232	84	46	535	889	1,241	82	762	48	1,146	6,520	19,140	137	382	7,836	3,048	2,677	2,677	9,631	57,112
2006/Q2	2,871	1,138	1,352	1,032	628	1,636	327	2,543	0	1,630	8,630	29,333	418	753	14,783	5,749	4,640	4,640	7,536	89,638
2006/Q3	184	292	51	643	868	1,913	50	1,580	0	774	9,560	3,373	124	425	6,111	2,376	3,453	3,453	2,168	37,397
2006/Q4	500	0	42	445	166	1,809	49	210	0	745	9,060	1,981	0	367	3,252	1,094	2,807	2,807	3,963	29,296
2007/Q1	23	315	35	361	793	726	6	371	167	911	3,011	0	50	553	1,365	112	4,200	4,200	3,373	20,572
2007/Q2	0	99	27	275	117	555	0	418	0	814	4,768	0	0	445	1,153	111	4,920	4,920	2,039	20,660
2007/Q3	0	0	21	38	66	178	0	278	40	567	1,051	0	0	328	848	65	3,539	3,539	4,491	15,048
2007/Q4	26	4	51	193	73	541	8	651	1	724	3,861	0	88	401	765	67	1,671	1,671	3,557	14,353
2008/Q1	373	401	75	315	491	1,792	82	518	151	1,622	6,690	1,876	316	553	3,069	759	2,072	2,072	8,135	31,361
2008/Q2	1,776	139	17	177	74	1,363	128	66	68	969	533	39	122	572	2,605	222	821	821	4,969	15,481
2008/Q3	0	0	9	37	38	1,611	0	37	0	946	6,610	605	17	262	19,726	4,827	5,521	5,521	6,820	52,586
2008/Q4	243	42	16	195	269	1,189	15	0	4	1,326	6,394	0	0	157	2,444	191	2,143	2,143	7,877	24,647
2009/Q1	145	272	12	273	453	1,708	45	27	390	1,809	4,546	26	108	236	1,293	859	2,880	2,880	6,140	24,101
2009/Q2	0	229	0	132	222	1,586	0	348	0	124	5,411	0	45	308	850	17	2,427	2,427	1,217	15,342
2009/Q3	0	0	0	25	106	1,440	0	0	0	4,249	11,015	0	18	49	5,703	339	3,376	3,376	3,828	33,523
2009/Q4	43	0	0	0	206	1,166	31	358	13	980	5,959	0	4	175	1,083	1,083	2,109	2,109	10,684	26,003
2010/Q1	372	114	0	303	593	1,957	45	2,103	135	3,182	5,660	3,780	8	451	6,412	6,412	6,134	6,134	7,637	51,431
2010/Q2	1,004	113	0	586	214	2,235	448	3,353	1,057	1,784	5,290	22,380	163	205	15,586	15,586	7,801	7,801	5,905	91,510
2010/Q3	139	0	0	32	64	1,712	0	9,450	0	1,552	5,093	6,650	88	72	9,497	9,497	4,244	4,244	2,309	54,643
2010/Q4	598	3	0	671	380	1,216	76	1,722	1,377	4,143	6,790	16,950	13	127	18,890	18,863	3,358	3,358	14,601	93,135
2011/Q1	283	780	0	710	597	1,706	263	3,299	476	4,225	5,260	29,210	107	426	10,395	11,430	2,117	2,117	12,828	86,228
2011/Q2	726	1,200	0	1,557	524	1,676	496	3,614	512	6,260	6,550	19,180	465	437	14,523	14,611	7,837	7,837	4,423	92,428
2011/Q3	1,451	174	0	902	127	1,881	59	5,750	169	1,950	7,340	14,000	0	41	11,277	7,688	6,273	6,273	5,101	70,456

TABLE 3-3
SPREADING BASIN AND RIVER RECHARGE
GROUNDWATER FLOW MODEL
Baldwin Park Operable Unit
San Gabriel Valley, California

Volumes of water spread in acre-feet

	Spreading Basins														San Gabriel River				Rio Hondo	
Date/Quarter	**Ben Lomond**	**Big Dalton**	**Buena Vista**	**Citrus**	**Eaton Basin**	**Fish Canyon**	**Forbes**	**Irwindale/ Manning**	**Little Dalton**	**Peck Road**	**San Gabriel Canyon**	**Santa Fe**	**Sawpit**	**Walnut**	**Morris Dam - Foothill Blvd**	**Foothill Blvd - Santa Fe Dam**	**Santa Fe Dam - Valley Blvd**	**Valley Blvd - Whittier Narrows**	**Rio Hondo at Whittier Narrows**	**Total**
2011/Q4	445	0	0	26	169	1,480	123	3,049	662	2,859	5,009	11,690	0	150	13,077	3,005	709	709	8,656	51,818
2012/Q1	62	0	0	146	307	1,165	0	479	125	1,520	3,061	191	95	168	2,725	137	1,450	1,450	5,811	18,892
2012/Q2	890	407	0	955	266	1,243	144	1,096	71	1,369	7,830	0	158	245	1,450	53	2,642	2,642	1,909	23,370
2012/Q3	2,791	125	0	1,466	164	1,516	8	359	2,253	4	1,216	642	2,711	0	1,828	138	760	13	3,961	19,955
2012/Q4	591	0	172	174	313	838	1,266	0	3,831	208	9,515	644	10,970	4,305	1,897	308	1,206	42	5,823	42,102
2013/Q1	0	17	0	169	274	704	33	0	140	63	1,395	895	3,936	0	932	183	1,463	92	2,855	13,151
2013/Q2	0	44	0	37	81	394	21	60	27	133	1,650	594	7,150	0	1,567	171	845	90	2,623	15,486

Notes:
a. Q3 = Third quarter; July, August, September
b. Q4 = Fourth quarter; October, November, December
c. Q1 = First quarter; January, February, March
d. Q2 = Second quarter; April, May, June

TABLE 3-4
PRECIPITATION AND RETURN FLOW RECHARGE
GROUNDWATER FLOW MODEL

Baldwin Park Operable Unit

San Gabriel Valley, California

Stress Period	Precipitation (in/qtr)	16% Precipitation (in/qtr)	Total Recharge Rate: Return Flow + 16% Precipitation (in/qtr)	P_z = 16 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 16.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 17.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 18.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 19.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 20.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 21.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 22.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 23.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)
1982/Q3[a]	1.95	0.31	0.67	124	996	1,651	1,050	622	328	169	27.0	0.37
1982/Q4[b]	8.70	1.39	3.12	577	4,643	7,688	4,885	2,890	1,521	786	125	1.70
1983/Q1[c]	24.85	3.98	8.96	1,660	13,358	22,115	14,049	8,310	4,374	2,260	360	4.88
1983/Q2[d]	5.81	0.93	2.08	385	3,101	5,135	3,263	1,930	1,016	525	83.7	1.13
1983/Q3	3.30	0.53	0.59	98.2	801	1,364	889	539	290	153	24.9	0.34
1983/Q4	9.12	1.46	0.33	1.48	69.9	301	303	243	160	98.4	18.1	0.28
1984/Q1	0.75	0.12	0.27	49.2	396	656	417	246	130	67.1	10.7	0.14
1984/Q2	0.53	0.09	0.19	36.0	289	479	304	180	94.6	48.9	7.79	0.11
1984/Q3	1.08	0.17	0.39	71.3	573	950	603	357	188	97.1	15.5	0.21
1984/Q4	10.37	1.66	0.37	0.81	72.5	331	338	272	180	111	20.4	0.31
1985/Q1	4.23	0.68	3.45	677	5,410	8,837	5,541	3,236	1,683	859	135	1.81
1985/Q2	0.27	0.04	0.09	17.4	140	231	147	87.1	45.9	23.7	3.78	0.05
1985/Q3	0.34	0.05	0.12	22.7	183	302	192	114	59.8	30.9	4.93	0.07
1985/Q4	5.62	0.90	2.01	371	2,986	4,946	3,143	1,859	979	506	80.7	1.09
1986/Q1	15.07	2.41	10.87	2,123	16,970	27,756	17,426	10,191	5,305	2,712	428	5.74
1986/Q2	0.93	0.15	0.34	63.2	509	842	535	316	166	85.9	13.7	0.19
1986/Q3	2.54	0.41	0.91	169	1,364	2,258	1,434	848	447	231	36.8	0.50
1986/Q4	2.21	0.35	0.80	148	1,193	1,975	1,255	742	391	202	32.2	0.44
1987/Q1	6.70	1.07	4.88	953	7,615	12,454	7,818	4,572	2,380	1,216	192	2.57
1987/Q2	0.50	0.08	0.18	34.1	274	453	288	170	89.6	46.3	7.38	0.10
1987/Q3	0.22	0.03	0.08	14.9	120	199	126	74.6	39.2	20.3	3.23	0.04
1987/Q4	9.21	1.47	4.98	956	7,656	12,571	7,923	4,651	2,430	1,247	197	2.66
1988/Q1	5.13	0.82	5.52	1,096	8,745	14,248	8,912	5,193	2,694	1,372	216	2.88
1988/Q2	3.52	0.56	1.26	234	1,881	3,115	1,979	1,171	616	318	50.8	0.69
1988/Q3	0.27	0.04	0.10	17.9	144	238	151	89.4	47.1	24.3	3.88	0.05
1988/Q4	6.76	1.08	1.22	203	1,654	2,815	1,834	1,111	598	315	51.3	0.71
1989/Q1	5.57	0.89	6.09	1,210	9,654	15,728	9,837	5,731	2,972	1,514	238	3.18
1989/Q2	0.29	0.05	0.10	19.2	154	256	162	96.1	50.6	26.1	4.17	0.06
1989/Q3	0.63	0.10	0.57	113	905	1,476	924	539	280	143	22.5	0.30
1989/Q4	1.10	0.18	1.58	317	2,527	4,109	2,565	1,492	773	393	61.7	0.82
1990/Q1	7.83	1.25	0.01	0	0	0	0	0	3.41	16.8	4.98	0.10
1990/Q2	2.80	0.45	3.00	596	4,759	7,754	4,850	2,826	1,466	747	117	1.57
1990/Q3	0.11	0.02	0.00	0	0	0	0	0	0	0	0	0
1990/Q4	0.61	0.10	1.87	379	3,016	4,891	3,045	1,765	912	462	72.3	0.96
1991/Q1	17.05	2.73	0.03	0	0	0	0	0	13.9	39.9	11.4	0.22
1991/Q2	0.15	0.02	0.05	9.95	80.0	132	84.1	49.7	26.2	13.5	2.15	0.03
1991/Q3	0.15	0.02	1.63	333	2,652	4,292	2,667	1,544	795	403	62.9	0.83
1991/Q4	4.00	0.64	2.68	521	4,170	6,827	4,290	2,511	1,308	669	106	1.42
1992/Q1	19.83	3.17	3.57	590	4,815	8,196	5,342	3,237	1,742	919	150	2.06
1992/Q2	0.45	0.07	0.17	31.1	250	414	263	155	81.6	42.1	6.71	0.09
1992/Q3	0.62	0.10	0.23	42.3	340	563	358	211	111	57.5	9.16	0.12
1992/Q4	8.97	1.44	0.81	101	859	1,573	1,092	698	394	216	36.5	0.52

TABLE 3-4
PRECIPITATION AND RETURN FLOW RECHARGE
GROUNDWATER FLOW MODEL
Baldwin Park Operable Unit
San Gabriel Valley, California

Stress Period	Precipitation (in/qtr)	16% Precipitation (in/qtr)	Total Recharge Rate: Return Flow + 16% Precipitation (in/qtr)	P_z = 16 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 16.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 17.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 18.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 19.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 20.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 21.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 22.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 23.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)
1993/Q1	29.72	4.76	13.98	2,655	21,296	35,053	22,145	13,028	6,822	3,507	557	7.50
1993/Q2	1.36	0.22	2.50	504	4,012	6,517	4,064	2,360	1,221	620	97.2	1.29
1993/Q3	0.01	0.00	0.00	0.36	2.93	4.85	3.08	1.82	0.96	0.50	0.08	1.07E-03
1993/Q4	2.54	0.41	0.23	28.7	244	448	310	198	112	61.4	10.4	0.15
1994/Q1	7.65	1.22	0.69	85.7	730	1,338	928	594	335	184	31.0	0.44
1994/Q2	2.04	0.33	0.55	98.6	797	1,331	852	508	269	140	22.5	0.31
1994/Q3	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
1994/Q4	2.73	0.44	0.24	30.4	259	474	329	211	119	65.4	11.0	0.16
1995/Q1	28.38	4.54	14.28	2,728	21,864	35,944	22,681	13,328	6,972	3,580	568	7.64
1995/Q2	2.54	0.41	8.19	1,663	13,235	21,457	13,355	7,743	3,997	2,026	317	4.22
1995/Q3	0.12	0.02	0.58	119	945	1,531	952	552	285	144	22.5	0.30
1995/Q4	1.39	0.22	0.70	134	1,077	1,770	1,117	656	343	176	27.9	0.38
1996/Q1	15.84	2.53	1.43	179	1,524	2,790	1,935	1,236	697	383	64.6	0.92
1996/Q2	0.85	0.14	0.31	56.5	455	753	478	283	149	77.0	12.3	0.17
1996/Q3	0.01	0.00	1.80	370	2,939	4,753	2,951	1,707	879	445	69.4	0.92
1996/Q4	9.82	1.57	1.77	292	2,381	4,054	2,642	1,601	862	455	74.0	1.02
1997/Q1	7.89	1.26	5.00	969	7,755	12,705	7,989	4,679	2,440	1,249	197	2.65
1997/Q2	0.25	0.04	0.09	17.0	137	227	144	85.1	44.7	23.1	3.68	0.05
1997/Q3	0.78	0.13	0.29	54.7	440	728	462	273	143	74.1	11.8	0.16
1997/Q4	6.01	0.96	2.24	416	3,342	5,528	3,509	2,074	1,091	563	89.8	1.21
1998/Q1	24.76	3.96	8.89	1,646	13,243	21,928	13,932	8,241	4,338	2,242	357	4.84
1998/Q2	6.17	0.99	3.86	749	5,990	9,815	6,173	3,616	1,886	965	153	2.05
1998/Q3	1.01	0.16	0.25	44.0	356	597	383	229	122	63.6	10.2	0.14
1998/Q4	2.05	0.33	0.49	86.8	703	1,179	758	454	242	126	20.3	0.28
1999/Q1	4.14	0.66	1.46	271	2,178	3,608	2,293	1,357	715	369	58.9	0.80
1999/Q2	3.63	0.58	0.65	107	876	1,492	973	590	317	168	27.2	0.38
1999/Q3	0.06	0.01	0.02	3.01	24.3	40.5	25.9	15.4	8.17	4.24	0.68	9.26E-03
1999/Q4	0.35	0.06	0.00	0	0	0	0	0	0	0	0.04	1.91E-03
2000/Q1	11.78	1.89	0.00	0	0	0	0	0	0	17.5	6.28	0.13
2000/Q2	2.66	0.42	0.00	0	0	0	0	0	0	4.51	1.50	0.03
2000/Q3	0.31	0.05	0.01	0	0	0	1.94	3.39	2.91	2.06	0.41	6.72E-03
2000/Q4	1.19	0.19	0.00	0	0	0	0	0	0	0	0	4.31E-03
2001/Q1	13.12	2.10	0.02	0	0	0	0	0	7.38	29.0	8.48	0.16
2001/Q2	2.03	0.33	0.00	0	0	0	0	0	0	2.81	1.05	0.02
2001/Q3	0.05	0.01	1.01	207	1,642	2,657	1,650	955	492	249	38.9	0.52
2001/Q4	3.84	0.61	2.10	404	3,234	5,310	3,346	1,964	1,026	526	83.3	1.12
2002/Q1	2.60	0.42	0.47	77.4	632	1,075	701	425	229	121	19.6	0.27
2002/Q2	0.46	0.07	0.08	13.8	112	191	125	75.6	40.7	21.5	3.49	0.05
2002/Q3	0.09	0.01	0.03	5.69	45.8	75.9	48.2	28.6	15.0	7.77	1.24	0.02
2002/Q4	6.65	1.06	1.20	198	1,614	2,748	1,791	1,085	584	308	50.1	0.69
2003/Q1	10.18	1.63	1.28	189	1,569	2,748	1,836	1,137	624	335	55.4	0.78
2003/Q2	3.16	0.51	0.35	48.2	403	717	486	304	169	91.5	15.2	0.21

TABLE 3-4
PRECIPITATION AND RETURN FLOW RECHARGE
GROUNDWATER FLOW MODEL

Baldwin Park Operable Unit

San Gabriel Valley, California

Stress Period	Precipitation (in/qtr)	16% Precipitation (in/qtr)	Total Recharge Rate: Return Flow + 16% Precipitation (in/qtr)	P_z = 16 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 16.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 17.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 18.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 19.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 20.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 21.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 22.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 23.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)
2003/Q3	0.09	0.01	0.03	5.20	41.9	69.6	44.4	26.3	13.9	7.21	1.15	0.02
2003/Q4	3.75	0.60	1.34	248	1,994	3,303	2,099	1,242	654	338	53.9	0.73
2004/Q1	8.35	1.34	1.96	343	2,778	4,664	3,003	1,798	958	501	80.7	1.10
2004/Q2	0.87	0.14	0.31	56.8	457	758	482	285	150	77.6	12.4	0.17
2004/Q3	0.00	0.00	0.00	0.15	1.19	1.92	1.19	0.69	0.36	0.18	0.03	3.72E-04
2004/Q4	16.18	2.59	1.44	178	1,518	2,789	1,939	1,241	701	386	65.1	0.93
2005/Q1	30.52	4.88	4.39	682	5,615	9,710	6,419	3,939	2,145	1,143	188	2.61
2005/Q2	1.68	0.27	0.24	37.4	308	532	352	216	118	62.7	10.3	0.14
2005/Q3	0.33	0.05	0.05	7.22	59.5	103	68.1	41.8	22.8	12.1	1.99	0.03
2005/Q4	2.69	0.43	1.00	186	1,497	2,476	1,572	929	489	252	40.2	0.54
2006/Q1	9.58	1.53	3.37	622	5,004	8,291	5,270	3,119	1,643	849	135	1.84
2006/Q2	5.47	0.88	1.90	350	2,815	4,665	2,966	1,756	925	478	76.3	1.03
2006/Q3	0.03	0.00	0.01	1.82	14.6	24.2	15.4	9.10	4.79	2.48	0.39	5.35E-03
2006/Q4	0.92	0.15	0.17	27.5	225	382	249	151	81.2	42.9	6.97	0.10
2007/Q1	3.19	0.51	0.57	94.0	767	1,307	852	516	278	147	23.9	0.33
2007/Q2	1.13	0.18	0.20	33.2	271	462	301	183	98.4	51.9	8.45	0.12
2007/Q3	0.98	0.16	0.18	29.0	237	403	263	159	85.7	45.2	7.35	0.10
2007/Q4	3.74	0.60	0.67	111	906	1,543	1,006	610	328	173	28.2	0.39
2008/Q1	12.01	1.92	1.02	124	1,061	1,963	1,372	883	500	276	46.7	0.67
2008/Q2	1.06	0.17	0.11	15.2	128	228	155	97.7	54.3	29.5	4.93	0.07
2008/Q3	0.11	0.02	0.04	7.25	58.3	96.4	61.2	36.2	19.0	9.83	1.57	0.02
2008/Q4	5.62	0.90	2.32	435	3,495	5,768	3,653	2,155	1,131	583	92.7	1.25
2009/Q1	8.32	1.33	2.16	384	3,108	5,198	3,334	1,990	1,056	550	88.4	1.21
2009/Q2	0.29	0.05	0.11	19.7	159	262	167	98.5	51.8	26.8	4.26	0.06
2009/Q3	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
2009/Q4	5.40	0.86	0.40	44.1	385	734	525	344	197	110	18.8	0.27
2010/Q1	14.29	2.29	0.04	0	0	0	0	0	18.0	36.6	10.0	0.19
2010/Q2	1.86	0.30	0.40	68.3	555	935	605	364	194	102	16.5	0.23
2010/Q3	0.02	0.00	0.00	0.40	3.25	5.57	3.66	2.23	1.21	0.64	0.10	1.45E-03
2010/Q4	17.99	2.88	0.08	0	0	0	0	0	38.3	54.0	13.8	0.26
2011/Q1	9.30	1.49	2.49	444	3,587	5,994	3,840	2,290	1,215	632	102	1.38
2011/Q2	0.62	0.10	0.10	15.9	130	224	147	89.4	48.4	25.7	4.20	0.06
2011/Q3	0.05	0.01	1.51	310	2,464	3,986	2,475	1,431	737	373	58.2	0.77
2011/Q4	4.38	0.70	1.71	351	2,791	4,514	2,803	1,621	835	422	65.9	0.87

TABLE 3-4
PRECIPITATION AND RETURN FLOW RECHARGE
GROUNDWATER FLOW MODEL

Baldwin Park Operable Unit

San Gabriel Valley, California

Stress Period	Precipitation (in/qtr)	16% Precipitation (in/qtr)	Total Recharge Rate: Return Flow + 16% Precipitation (in/qtr)	P_z = 16 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 16.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 17.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 18.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 19.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 20.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 21.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 22.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)	P_z = 23.5 in/yr Zone Recharge Volume: Return Flow + 16% Precipitation (ac-ft/qtr)
2012/Q1	5.05	0.81	1.31	269	2,138	3,458	2,147	1,242	639	323	50.5	0.67
2012/Q2	2.88	0.46	0.46	74	606	1,039	682	416	225	119	19.5	0.27
2012/Q3	0.16	0.03	0.00	0	0	0	0	0	0	0	0	0
2012/Q4	4.97	0.80	0.00	0	0	0	0	0	0	0	0	0
2013/Q1	3.21	0.51	0.00	0	0	0	0	0	0	0	0	0
2013/Q2	0.86	0.14	0.00	0	0	0	0	0	0	0	0	0

Notes:

Pz zones represent precipitation areas in California Department of Water Resources (DWR) Bulletin No. 104-2, Appendix A: Geohydrology, 1966. Precipitation zones are characterized by a long-term average annual precipitation value, given in each zone name. Model precipitation for each DWR zone is shown in the table.

Zone recharge volumes represent the total recharge rate over the area of each precipitation zone in the groundwater flow model.

a. Q3 = Third quarter: July, August, September

b. Q4 = Fourth quarter: October, November, December

c. Q1 = First quarter: January, February, March

d. Q2 = Second quarter: April, May, June

TABLE 3-5
SIMULATED EXTRACTION WELL PUMPING RATES
GROUNDWATER FLOW MODEL

Baldwin Park Operable Unit
San Gabriel Valley, California

		ac-ft Pumping in Quarter			
Well Name	**Site ID**	**2012/Q3**	**2012/Q4**	**2013/Q1**	**2013/Q2**
Subarea 1					
SA1-1	08000185	884	779	688	478
SA1-2	08000186	0	0	0	0
SA1-3 (LANTE)	08000060	1,347	1,385	1,261	1,337
Subarea 3					
COI 5	08000097	483	487	439	470
LPVCWD 5	08000209	925	865	850	793
SGVWC B25A	08000187	274	1	1	659
SGVWC B25B	08000188	218	1	1	793
SGVWC B26A	08000189	420	442	308	238
SGVWC B26B	08000190	412	437	308	321
SGVWC B5B	61900719	1,258	1,258	982	1,197
SGVWC B5E	08000205	1,331	1,337	1,137	1,247

TABLE 4-1
2009 - 2013 CARBON AND RESIN CHANGEOUT SUMMARY
Baldwin Park Operable Unit
Los Angeles County, California

Plant	Date	Resin or Carbon	Volume	Certificates Received
VCWD	23 to 30-Mar-09	Liquid Phase Carbon	80,000 lbs	Yes
	Apr-09	Liquid Phase Carbon	120,000 lbs	Yes
	29-Jun-09	Vapor Phase Carbon	20,000 lbs	Yes
	13-Jul-09	Vapor Phase Carbon	20,000 lbs	Yes
	21 & 28-Oct-09	Vapor Phase Carbon	40,000 lbs	Yes
	Feb-10	Liquid Phase Carbon	200,000 lbs	Yes
	23, 24 & 28-Sept-10	Liquid Phase Carbon	100,000 lbs	Yes
	1, 5 & 7-Oct-10	Liquid Phase Carbon	100,000 lbs	Yes
	14 & 18-Oct-10	Vapor Phase Carbon	40,000 lbs	Yes
	25 & 26-Jan-11	Vapor Phase Carbon	20,000 lbs	Yes
	10, 13, 16, 20, 23-June-11	Liquid Phase Carbon	200,000 lbs	Yes
	18-Aug-11	Vapor Phase Carbon	20,000 lbs	Yes
	02-Feb-12	Vapor Phase Carbon	20,000 lbs	Yes
	8 to 23-March-12	Liquid Phase Carbon	200,000 lbs	Yes
	23-Mar-12	Vapor Phase Carbon	20,000 lbs	Yes
	06-Apr-12	Vapor Phase Carbon	20,000 lbs	Yes
	21, 22, 23, 24, 25-Oct-12	Liquid Phase Carbon	160,000 lbs	No
	18-Dec-12	Liquid Phase Carbon	20,000 lbs	No
LPVCWD	9-Mar-09	Vapor Phase Carbon	27,400 lbs	Yes
	15-May-09	Vapor Phase Carbon	27,400 lbs	Yes
	23-Jul-09	Vapor Phase Carbon	27,400 lbs	Yes
	1-Oct-09	Vapor Phase Carbon	27,400 lbs	Yes
	10-Dec-09	Vapor Phase Carbon	27,400 lbs	Yes
	28-Apr-10	Vapor Phase Carbon	27,400 lbs	Yes
	7-Jul-10	Vapor Phase Carbon	27,400 lbs	Yes
	14-Sep-10	Vapor Phase Carbon	27,400 lbs	Yes
	23-Nov-10	Vapor Phase Carbon	27,400 lbs	Yes
	1-Feb-11	Vapor Phase Carbon	27,400 lbs	Yes
	11-Apr-11	Vapor Phase Carbon	27,400 lbs	Yes
	17, 18, 19-May-11	Resin	850 cubic feet	Yes
	03-Nov-11	Vapor Phase Carbon	27,400 lbs	Yes
	19, 20-Dec-11	Resin	850 cubic feet	Yes
	4, 5-June-12	Resin	850 cubic feet	Yes
	2-Jul-12	Vapor Phase Carbon	27,400 lbs	No
	3-Jan-13	Resin	425 cubic feet	No
	2-Jul-13	Vapor Phase Carbon	27,400 lbs	No
	8, 28-Aug-13	Resin	850 cubic feet	No
B5	5-Feb-09	Liquid Phase Carbon	320,000 lbs	Yes
	13-Mar-09	Resin	Unclear	Yes
	23-Mar-09	Resin	Unclear	Yes
	27 & 29-May-09	Liquid Phase Carbon	40,000 lbs	Yes
	2, 4, 9, 11, 16, 18, 23, 25, & 30-Jun-09	Liquid Phase Carbon	200,000 lbs	Yes
	2 & 14-Jul-09	Liquid Phase Carbon	40,000 lbs	Yes
	16-Oct-09	Liquid Phase Carbon	40,000 lbs	Yes
	3, 6, 12, 16, 20, 23, & 25-Nov-09	Liquid Phase Carbon	140,000 lbs	Yes
	10, 11, & 18-Dec-09	Resin	1272 cubic feet	Yes
	5, 12 & 17-Feb-10	Liquid Phase Carbon	120,000 lbs	Yes
	26-Feb-10	Liquid Phase Carbon	40,000 lbs	Yes
	6-Apr-10	Resin	1275 cubic feet	Yes
	3, 7, 15, 18, 25-Jun-10	Liquid Phase Carbon	240,000 lbs	Yes
	29-Jun-10	Resin	848 cubic feet	Yes
	2, 12, 17, 24-Aug-10	Liquid Phase Carbon	160,000 lbs	Yes
	9, 16, 23, 29-Nov-10	Liquid Phase Carbon	160,000 lbs	Yes
	1, 8, 15, 22-Feb-11	Liquid Phase Carbon	140,000 lbs	Yes
	08-Mar-11	Liquid Phase Carbon	20,000 lbs	Yes
	15-Mar-11	Resin	850 cubic feet	No
	03-May-11	Resin	848 cubic feet	No
	24-May-11	Liquid Phase Carbon	40,000 lbs	Yes
	01-Jun-11	Liquid Phase Carbon	40,000 lbs	Yes
	9, 14-June -11	Liquid Phase Carbon	80,000 lbs	Yes
	10, 16, 23, 29-Aug -11	Liquid Phase Carbon	160,000 lbs	Yes
	20, 26-Jan -12	Liquid Phase Carbon	80,000 lbs	Yes
	20, 26-Jan -12	Liquid Phase Carbon	80,000 lbs	Yes
	2, 9-Feb -12	Liquid Phase Carbon	80,000 lbs	Yes
	22, 28-Mar -12	Liquid Phase Carbon	80,000 lbs	No
	3, 10-Apr-12	Liquid Phase Carbon	80,000 lbs	No
	21, 30-May -12	Liquid Phase Carbon	80,000 lbs	Yes
	22-May-12	Resin	850 cubic feet	No
	5, 12-June -12	Liquid Phase Carbon	80,000 lbs	Yes
	3, 10, 18, 25-July -12	Liquid Phase Carbon	160,000 lbs	Yes
	6, 24, 26-July -12	Resin	2,550 cubic feet	No
	4, 11, 18, 25-Sept -12	Liquid Phase Carbon	160,000 lbs	No

TABLE 4-1
2009 - 2013 CARBON AND RESIN CHANGEOUT SUMMARY
Baldwin Park Operable Unit
Los Angeles County, California

Plant	Date	Resin or Carbon	Volume	Certificates Received
	5, 13, 16, 30-Nov -12	Liquid Phase Carbon	160,000 lbs	No
	5, 13, 16, 30-Nov -12	Liquid Phase Carbon	160,000 lbs	Yes
	9, 12, 18, 23-Jan -13	Liquid Phase Carbon	160,000 lbs	Yes
	15, 21, 28-Feb -13	Liquid Phase Carbon	160,000 lbs	Yes
	19-Feb-13	Resin	850 cubic feet	No
	5-Mar-13	Resin	425 cubic feet	No
	8-Mar-13	Liquid Phase Carbon	40,000 lbs	Yes
	Apr-13	Liquid Phase Carbon	320,000 lbs	Yes
	5, 24-Apr-13	Resin	1,275 cubic feet	No
	3, 16, 23, 30 -July-13	Liquid Phase Carbon	160,000 lbs	Yes
	13, 20, 27-Aug-13	Liquid Phase Carbon	160,000 lbs	Yes
	1, 4, 10, 17-Oct-13	Liquid Phase Carbon	140,000 lbs	No
B6	9-Jan-09	Vapor Phase Carbon	20,000 lbs	Yes
	30-Jan-09	Vapor Phase Carbon	20,000 lbs	Yes
	20-Feb-09	Vapor Phase Carbon	20,000 lbs	Yes
	23-Feb-09	Vapor Phase Carbon	20,000 lbs	Yes
	4-Nov-09	Vapor Phase Carbon	20,000 lbs	Yes
	4-Dec-09	Vapor Phase Carbon	20,000 lbs	Yes
	2-Mar-10	Vapor Phase Carbon	40,000 lbs	Yes
	4-Nov-10	Vapor Phase Carbon	20,000 lbs	Yes
	1-Mar-11	Vapor Phase Carbon	60,000 lbs	Yes
	01-Dec-11	Vapor Phase Carbon	40,000 lbs	Yes
	27-Dec-11	Vapor Phase Carbon	40,000 lbs	Yes
	24-May-12	Vapor Phase Carbon	20,000 lbs	Yes
	26-May-12	Vapor Phase Carbon	20,000 lbs	Yes
	05-Apr-13	Vapor Phase Carbon	40,000 lbs	No
	21-Jun-13	Vapor Phase Carbon	20,000 lbs	No
	9, 16, 23, 30-Dec-13	Vapor Phase Carbon	160,000 lbs	No
	17, 19, 20-Dec-13	Resin	2,120 cubic feet	No

TABLE 5-1
2013 LATERAL HYDRAULIC GRADIENTS

Baldwin Park Operable Unit
San Gabriel Valley, California

May 2013

Elevation Interval (ft msl)	Groundwater Elevation[a] MW 5-03 (ft msl)	Groundwater Elevation[a] MW 5-20 (ft msl)	Estimated Lateral Hydraulic Gradient[b] (ft/ft)
Above -500	213.76	197.01	7.8E-04
Below -500	213.57	187.22	1.2E-03

November 2013

Elevation Interval (ft msl)	Groundwater Elevation[a] MW 5-03 (ft msl)	Groundwater Elevation[a] MW 5-20 (ft msl)	Estimated Lateral Hydraulic Gradient[b] (ft/ft)
Above -500	203.19	191.03	5.7E-04
Below -500	203.31	184.23	8.9E-04

Notes:

a. Average of groundwater elevations measured at ports screened in the elevation interval
Groundwater elevations obtained from the LDC database

b. Distance between MW 5-03 and MW 5-20 estimated at 21,450 ft

ft msl - feet above mean sea level

ft/ft - feet per foot

TABLE 5-2
2013 VERTICAL HYDRAULIC GRADIENTS
Baldwin Park Operable Unit
San Gabriel Valley, California

Subarea 1

Date	Groundwater Elevation (ft msl)[a] PZ1-1BS	PZ1-1BD	Vertical Distance between Mid-Screens (ft)	Estimated Vertical Hydraulic Gradient (ft/ft)b,c
02/20/13	220.74	220.82	350.14	-2.3E-04
11/13/2013	207.98	208.43		-1.3E-03

Date	Groundwater Elevation (ft msl)[a] MW 5-03 Port 9[c]	MW 5-03 Port 1	Vertical Distance between Mid-Screens (ft)	Estimated Vertical Hydraulic Gradient (ft/ft)b,c
5/10/2013	213.96	213.91	850.00	5.9E-05
11/4/2013	203.02	203.67		-7.6E-04

Subarea 3

Date	Groundwater Elevation (ft msl)[a] PZ3-1BS	PZ3-1BD	Vertical Distance between Mid-Screens (ft)	Estimated Vertical Hydraulic Gradient (ft/ft)b,c
2/20/2013	204.27	201.41	425.02	6.7E-03
11/13/2013	180.53	174.48		1.4E-02

Date	Groundwater Elevation (ft msl)[a] MW 5-20 Port 7	MW 5-20 Port 1	Vertical Distance between Mid-Screens (ft)	Estimated Vertical Hydraulic Gradient (ft/ft)b,c
5/31/2013	208.13	187.15	720.00	2.9E-02
11/8/2013	200.08	184.10		2.2E-02

Notes:

a. Groundwater elevations obtained from the LDC database

b. Differences in mid-screen depth used for all calculations.

c. Negative vertical gradients indicate upward gradient.

c. MW 5-03 Port 10 was dry during 2013--Port 9 used for gradient calculation.

ft msl - feet above mean sea level

ft/ft - feet per feet

TABLE 5-3
2013 GROUNDWATER QUALITY MONITORING RESULTS
Baldwin Park Operable Unit
San Gabriel Valley, California

Well Name	Site ID	Port [a]	Sample Date	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	1,2,3-Trichloropropane (ng/L)	1,2-Dichloroethane (µg/L)	1,4-Dioxane (µg/L)	Acetone (µg/L)	Benzene (µg/L)	Carbon Disulfide (µg/L)	Carbon Tetrachloride (µg/L)	Chloroform (µg/L)	cis-1,2-Dichloroethene (µg/L)	Ethylbenzene (µg/L)	Methylene Chloride (µg/L)	NDMA (ng/L)	Perchlorate (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	trans-1,2-Dichloroethene (µg/L)	Trichloroethene (µg/L)	Xylenes, Total [b] (µg/L)	Nitrate as N [c] (mg/L)	Sulfate (mg/L)
Federal or California State MCL (NL) [SMCL] [d]				**200**	**5**	**6**	**5**	**0.5**	**(1)**	**--**	**1**	**160**	**0.5**	**80**	**6**	**300**	**5**	**(10)**	**6**	**5**	**150**	**10**	**5**	**1750**	**10**	**[250]**
Extraction Wells																										
COI 5	08000097		1/2/2013	0.50 U	0.50 U	0.90	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	4.3	**5.8**	0.50 U	0.50 U	2.8	0.50 U	**31**	--
			2/4/2013	0.50 U	0.50 U	0.98	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1000 U	4.1	4.8	0.50 U	0.50 U	2.7	0.50 U	**28**	--
			2/25/2013	0.50 U	0.50 U	1.2	500 U	0.50 U	--	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	--	**5.8**	0.50 U	0.50 U	3.0	0.50 U	--	--
			3/6/2013	0.50 U	0.50 U	1.2	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	4.6	**6.7**	0.50 U	0.50 U	3.4	0.50 U	**27**	--
			4/3/2013	0.50 U	0.50 U	1.3	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	4.7	**6.1**	0.50 U	0.50 U	3.0	0.50 U	**29**	--
			5/14/2013	0.50 U	0.50 U	1.2	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	2.0 U	3.3	**5.4**	0.50 U	0.50 U	2.8	0.50 U	**27**	--
			6/4/2013	0.50 U	0.50 U	1.4	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	4.9	**5.8**	0.50 U	0.50 U	2.8	0.50 U	**31**	--
			7/2/2013	0.50 U	0.50 U	1.2	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1000 U	4.5	**7.4**	0.50 U	0.50 U	3.2	0.50 U	**28**	--
			7/25/2013	0.50 U	0.50 U	1.2	500 U	0.50 U	--	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	--	**6.3**	0.50 U	0.50 U	3.0	0.50 U	--	--
			8/7/2013	0.50 U	0.50 U	1.2	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	4.9	**6.7**	0.50 U	0.50 U	2.9	0.50 U	**28**	--
			9/4/2013	0.50 U	0.50 U	1.4	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	4.3	**7.4**	0.50 U	0.50 U	3.1	0.50 U	**30**	--
			10/2/2013	0.50 U	0.50 U	1.3	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	5.1	**7.8**	0.50 U	0.50 U	3.1	1.0 U	**27**	--
			11/5/2013	0.50 U	0.50 U	1.3	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	4.0	**6.9**	0.50 U	0.50 U	3.1	1.0 U	**28**	--
			12/2/2013	0.50 U	0.50 U	1.2	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	4.4	**7.2**	0.50 U	0.50 U	3.0	1.0 U	**29**	--
LPVCWD 2	01901460		2/25/2013	0.50 U	0.72	0.50 U	0.50 U	**3.0**	**2.3**	--	0.50 U	--	**4.9**	2.1	1.9	0.50 U	0.50 U	**200**	**75**	4.8	0.50 U	0.50 U	**110**	0.50 U	**25**	37
			3/14/2013	0.50 U	0.67	0.50 U	0.50 U	**2.9**	--	--	0.50 U	--	**4.0**	1.8	1.5	0.50 U	0.50 U	1.0 UJ	--	3.8	0.50 U	0.50 U	**98**	0.50 U	--	--
			4/5/2013	0.50 U	0.61	0.50 U	0.50 U	**2.4**	**1.6**	--	0.50 U	--	**3.7**	1.7	1.6	0.50 U	0.50 U	**200**	**53**	3.5	0.50 U	0.50 U	**74**	0.50 U	**28**	42
			6/14/2013	0.50 U	0.50 U	0.50 U	0.50 U	**2.3**	**1.5**	--	0.50 U	--	**2.8**	1.6	1.4	0.50 U	0.50 U	**160**	**54**	2.7	0.50 U	0.50 U	**76**	0.50 U	**28**	43
			8/23/2013	0.50 U	0.50 U	0.50 U	0.50 U	**2.4**	**1.4**	--	0.50 U	--	**3.2**	1.6	1.2	0.50 UJ	0.50 U	**120**	**58**	3.7	0.50 U	0.50 U	**71**	0.50 U	**31**	45
			10/16/2013	0.50 U	0.55	0.50 U	0.50 U	**2.5**	**1.5**	--	0.50 U	--	**3.2**	2.1	1.4	0.50 U	0.50 U	**85**	**59**	3.5	0.50 U	0.50 U	**77**	1.0 U	**29**	43
			12/5/2013	0.50 U	0.62	0.50 U	0.50 U	**2.9**	**1.6**	--	0.50 U	--	**3.3**	2.3	1.4	0.50 U	0.50 U	0.15	59	4.2	0.50 U	0.50 U	**87**	1.0 U	6.6	43
LPVCWD 3	01902859		1/16/2013	0.50 U	0.50 U	5.5	0.50 U	0.50 U	**2.2**	--	0.50 U	--	0.50 U	1.0	4.0	0.50 U	0.50 U	7.0	**9.4**	**130**	0.50 U	0.50 U	**48**	0.50 U	**36**	47
			2/26/2013	0.50 U	0.50 U	4.7	0.50 U	0.50 U	**2.3**	--	0.50 U	--	0.50 U	0.50 U	3.3	0.50 U	0.50 U	6.2	**10**	**120**	0.50 U	0.50 U	**50**	0.50 U	**35**	47
			3/13/2013	0.50 U	0.50 U	5.2	0.50 U	0.50 U	**2.2**	--	0.50 U	--	0.50 U	0.50 U	3.8	0.50 U	0.50 U	**27**	**10**	**170**	0.50 U	0.50 U	**52**	0.50 U	**39**	48
			3/14/2013	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	--	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.0 UJ	--	0.50	0.50 U	0.50 U	2.0	0.50 U	--	--
			4/5/2013	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	**9.4**	0.50 U	0.50 U	0.50 U	1.7	0.50 U	**37**	37
			4/24/2013	0.50 U	0.50 U	5.2	0.50 U	0.50 U	**2.1**	--	0.50 U	--	0.50 U	0.55	3.5	0.50 U	0.50 U	7.8	**10**	**120**	0.50 U	0.50 U	**41**	0.50 U	**40**	48
			5/22/2013	0.50 UJ	0.50 UJ	3.2 J	0.50 UJ	0.50 UJ	**1.9**	--	0.50 UJ	--	0.50 UJ	0.50 UJ	2.4 J	0.50 UJ	0.50 UJ	6.1	**11**	**97 J**	0.50 UJ	0.50 UJ	**39 J**	0.50 UJ	**38**	46
			6/14/2013	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	**9.7**	0.50 U	0.50 U	0.50 U	1.4	0.50 U	**35**	37
			6/18/2013	0.50 U	0.50 U	4.4	0.50 U	0.50 U	**2.1**	--	0.50 U	--	0.50 U	0.50 U	3.1	0.50 U	0.50 U	5.6	**10**	**65**	0.50 U	0.50 U	**35**	0.50 U	**38**	47
			7/18/2013	0.50 U	0.50 U	4.1	0.50 U	0.50 U	**1.9**	--	0.50 U	--	0.50 U	0.82	2.4	0.50 U	0.50 U	7.2	**10**	**88**	0.50 U	0.50 U	**35**	0.50 U	**39**	47
			8/22/2013	0.50 U	0.50 U	4.1	0.50 U	0.50 U	**1.7**	--	0.50 U	--	0.50 U	0.72	2.3	0.50 U	0.50 U	**27**	**11**	**93**	0.50 U	0.50 U	**33**	0.50 U	**39**	49
			8/23/2013	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	6.6	**10**	0.55	0.50 U	0.50 U	1.6	0.50 U	**38**	38
			10/16/2013	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	**10**	0.50 U	0.50 U	0.50 U	1.4	1.0 U	**36**	38
			12/5/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1000 U	--	--	--	--	--	--	--	--
			12/5/2013	0.50 U	0.50 U	**7.3**	0.50 U	0.50 U	**2.1**	--	0.50 U	--	0.50 U	1.3	1.5	0.50 U	0.50 U	5.3 J	**11**	**60**	0.50 U	0.50 U	**26**	1.0 U	**31**	49
			12/5/2013	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 UJ	**11**	0.51	0.50 U	0.50 U	1.6	1.0 U	8.4	39
LPVCWD 5	08000209		1/8/2013	0.50 U	0.50 U	0.50 U	500 U	**0.77**	0.57	--	0.50 U	--	**0.78**	0.50 U	0.59	0.50 U	0.50 U	**42 J**	**19**	1.3	0.50 U	0.50 U	**21**	0.50 U	**30**	42
			2/11/2013	0.50 U	0.50 U	0.50 U	500 U	**0.69**	0.57	--	0.50 U	--	**0.73**	0.50 U	0.50 U	0.50 U	0.50 U	**45**	**17**	1.9	0.50 U	0.50 U	**19**	0.50 U	**30**	41
			3/4/2013	0.50 U	0.50 U	0.50 U	500 U	**0.64**	0.60	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	**33**	**19**	1.4	0.50 U	0.50 U	**18**	0.50 U	**30**	42
			4/8/2013	0.50 U	0.50 U	0.50 U	500 U	**0.53**	0.50 U	--	0.50 U	--	**0.72**	0.50 U	0.50 U	0.50 U	0.50 U	**36**	**18**	1.4	0.50 U	0.50 U	**16**	0.50 U	**30**	42
			5/6/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	0.50 U	--	0.50 U	--	**0.59**	0.50 U	0.63 J	0.50 U	0.50 U	**26**	**17**	1.3	0.50 U	0.50 U	**13**	0.50 U	**29**	41
			6/3/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	**19**	**17**	0.90	0.50 U	0.50 U	**10**	0.50 U	**30**	41
			7/8/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	**26**	**17**	1.4	0.50 U	0.50 U	**11**	0.50 U	**31**	42
			8/13/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	**22**	**17**	0.99	0.50 U	0.50 U	**11**	0.50 U	**32**	43
			8/22/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	**66 J**	**19**	1.4	0.50 U	0.50 U	**11**	0.50 U	**33**	43
			9/10/2013	0.50 U	0.50 U	0.50 U	500 U	**0.54**	0.50 U	--	0.50 U	--	**0.55**	0.58	0.50 U	0.50 U	0.50 U	**46 J**	**19**	1.5	0.50 U	0.50 U	**14**	0.50 U	**32**	43
			10/7/2013	0.50 U	0.50 U	0.50 U	500 U	**0.55**	0.50 U	--	0.50 U	--	**0.61**	0.58 U	0.50 U	0.50 U	0.50 U	**37 J**	**19**	1.3	0.50 U	0.50 U	**13**	1.0 U	**32**	43
			11/12/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	0.50 U	--	0.50 U	--	**0.80**	0.66	0.62	0.50 U	0.50 U	**22 J**	**20**	1.5	0.50 U	0.50 U	**17**	1.0 U	**32**	42
			12/9/2013	0.50 U	0.50 U	0.50 U	0.50 U	**0.75**	0.50 U	--	0.50 U	--	**0.66**	0.74	0.56	0.50 U	0.50 U	**28**	**22**	1.8	0.50 U	0.50 U	**19**	1.0 U	7.0	43
SA1-1	08000185		1/16/2013	0.50 U	0.50 U	1.4	500 U	0.50 U	0.86	--	0.50 U	--	0.50 U	0.77	0.50 U	0.50 U	0.50 U	2.0 U	**6.9**	2.6	0.50 U	0.50 U	1.8	0.50 U	**66**	54
			2/26/2013	0.50 U	0.50 U	1.1	500 U	0.50 U	0.89	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	**7.9**	2.3	0.50 U	0.50 U	1.6	0.50 U	**63**	28
			3/13/2013	0.50 U	0.50 U	1.4	500 U	0.50 U	0.82	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	**7.1**	2.9	0.50 U	0.50 U	1.9	0.50 U	**74**	54
			4/24/2013	0.50 U	0.50 U	1.4	500 U	0.50 U	0.69	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	**6.7**	2.4	0.50 U	0.50 U	1.6	0.50 U	**3.1**	55
			5/22/2013	0.50 UJ	0.50 UJ	0.83 J	500 UJ	0.50 UJ	0.60	--	0.50 UJ	--	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	9.6	**7.7**	1.7 J	0.50 UJ	0.50 UJ	1.4 J	0.50 UJ	**68**	53
SA1-2	08000186		Not in operation - no sampling results reported																							
SA1-3 (LANTE)	08000060		1/16/2013	0.50 U	0.50 U	5.5	500 U	0.50 U	**2.2**	--	0.50 U	--	0.50 U	1.0	4.0	0.50 U	0.50 U	7.0	**9.4**	**130**	0.50 U	0.50 U	**48**	0.50 U	**36**	47
			2/26/2013	0.50 U	0.50 U	4.7	500 U	0.50 U	**2.3**	--	0.50 U	--	0.50 U	0.50 U	3.3	0.50 U	0.50 U	6.2	**10**	**120**	0.50 U	0.50 U	**50**	0.50 U	**35**	47
			3/13/2013	0.50 U	0.50 U	5.2	500 U	0.50 U	**2.2**	--	0.50 U	--	0.50 U	0.50 U	3.8	0.50 U	0.50 U	**27**	**10**	**170**	0.50 U	0.50 U	**52**	0.50 U	**39**	48
			4/24/2013	0.50 U	0.50 U	5.2	500 U	0.50 U	**2.1**	--	0.50 U	--	0.50 U	0.55	3.5	0.50 U	0.50 U	7.8	**10**	**120**	0.50 U	0.50 U	**41**	0.50 U	**40**	48
			5/22/2013	0.50 UJ	0.50 UJ	3.2 J	500 UJ	0.50 UJ	**1.9**	--	0.50 UJ	--	0.50 UJ	0.50 UJ	2.4 J	0.50 UJ	0.50 UJ	6.1	**11**	**97 J**	0.50 UJ	0.50 UJ	**39 J**	0.50 UJ	**38**	46
			6/18/2013	0.50 U	0.50 U	4.4	500 U	0.50 U	**2.1**	--	0.50 U	--	0.50 U	0.50 U	3.1	0.50 U	0.50 U	5.6	**10**	**65**	0.50 U	0.50 U	**35**	0.50 U	**38**	47
			7/18/2013	0.50 U	0.50 U	4.1	500 U	0.50 U	**1.9**	--	0.50 U	--	0.50 U	0.82	2.4	0.50 U	0.50 U	7.2	**10**	**88**	0.50 U	0.50 U	**35**	0.50 U	**39**	47
			8/22/2013	0.50 U	0.50 U	4.1	500 U	0.50 U	**1.7**	--	0.50 U	--	0.50 U	0.72	2.3	0.50 U	0.50 U	**27**	**11**	**93**	0.50 U	0.50 U	**33**	0.50 U	**39**	49
			12/5/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1000 U	--	--	--	--	--	--	--	--
			12/5/2013	0.50 U	0.50 U	**7.3**	500 U	0.50 U	**2.1**	--	0.50 U	--	0.50 U	1.3	1.5	0.50 U	0.50 U	5.3 J	**11**	**60**	0.50 U	0.50 U	**26**	1.0 U	**31**	49
SGVWC B25A	08000187		1/23/2013	0.50 U	0.50 U	2.0	500 U	0.50 U	**1.1**	--	0.50 U	--	**0.52**	0.99	2.3	0.50 U	0.50 U	5.5	**17**	**15**	0.50 U	0.50 U	**20**	0.50 U	**14**	52
			2/21/2013	0.50 U	0.50 U	2.3	500 U	0.50 U	**1.0**	--	0.50 U	--	**0.64**	0.67	2.5	0.50 U	0.50 U	5.6	**18 J**	**17**	0.50 U	0.50 U	**24**	0.50 U	**14**	54
			3/4/2013	0.50 U	0.50 U	2.7	500 U	0.50 U	--	--	0.50 U	--	**0.72**	0.73	2.6	0.50 U	0.50 U	1000 U	--	**18**	0.50 U	0.50 U	**25**	0.50 U	--	--
			3/4/2013	0.50 U	0.50 U	2.9	500 U	0.50 U	**1.0**	--	0.50 U	--	0.50 U	0.71	2.4	0.50 U	0.50 U	5.5	**19**	**19**	0.50 U	0.50 U	**26**	0.50 U	**14**	54
			4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**14**	--
			5/1/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**14**	--
			5/2/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**15**	--

TABLE 5-3
2013 GROUNDWATER QUALITY MONITORING RESULTS
Baldwin Park Operable Unit
San Gabriel Valley, California

Well Name	Site ID	Port [a]	Sample Date	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	1,2,3-Trichloropropane (ng/L)	1,2-Dichloroethane (µg/L)	1,4-Dioxane (µg/L)	Acetone (µg/L)	Benzene (µg/L)	Carbon Disulfide (µg/L)	Carbon Tetrachloride (µg/L)	Chloroform (µg/L)	cis-1,2-Dichloroethene (µg/L)	Ethylbenzene (µg/L)	Methylene Chloride (µg/L)	NDMA (ng/L)	Perchlorate (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	trans-1,2-Dichloroethene (µg/L)	Trichloroethene (µg/L)	Xylenes, Total [b] (µg/L)	Nitrate as N [c] (mg/L)	Sulfate (mg/L)
Federal or California State MCL (NL) [SMCL] [d]				**200**	**5**	**6**	**5**	**0.5**	**(1)**	**--**	**1**	**160**	**0.5**	**80**	**6**	**300**	**5**	**(10)**	**6**	**5**	**150**	**10**	**5**	**1750**	**10**	**[250]**
SGVWC B25B	08000188		1/23/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	0.65	--	0.50 U	--	**3.6**	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	1.4 J	0.50 U	0.50 U	0.50 U	1.8	0.50 U	2.1	45
			2/21/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	0.50 U	--	0.50 U	--	**2.2**	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	2 UJ	0.50 U	0.50 U	0.50 U	0.67	0.50 U	3.2	47
			3/4/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	0.64	--	0.50 U	--	**5.7**	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	2.5	0.50	0.50 U	0.50 U	2.6	0.50 U	1.8	45
			3/4/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	--	--	0.50 U	--	**5.2**	0.50 U	0.50 U	0.50 U	0.50 U	1000 UJ	--	0.50	0.50 U	0.50 U	2.8	0.50 U	--	--
			4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			5/1/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.8	--
			5/2/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.9	--
			5/6/2013	--	--	--	--	--	0.55	--	--	--	--	--	--	--	--	3.5	5.7	--	--	--	--	--	1.9	42
			5/6/2013	--	--	--	--	--	0.54	--	--	--	--	--	--	--	--	4.2	6.0	--	--	--	--	--	1.9	43
			5/7/2013	--	--	--	--	--	0.54	--	--	--	--	--	--	--	--	3.6	6.2	--	--	--	--	--	1.9	43
			5/8/2013	--	--	--	--	--	0.56	--	--	--	--	--	--	--	--	3.7	6.6	--	--	--	--	--	1.8	43
			5/8/2013	--	--	--	--	--	0.51	--	--	--	--	--	--	--	--	3.9	7.0	--	--	--	--	--	1.9	43 J
			5/9/2013	--	--	--	--	--	0.50 U	--	--	--	--	--	--	--	--	2.8	7.1	--	--	--	--	--	1.9	43
			5/9/2013	--	--	--	--	--	0.53	--	--	--	--	--	--	--	--	4.6	6.0	--	--	--	--	--	**17**	55
			5/9/2013	--	--	--	--	--	0.52	--	--	--	--	--	--	--	--	3.9	5.3	--	--	--	--	--	1.9	42
SGVWC B26A	08000189		1/4/2013	0.50 U	0.57	1.1	500 U	**2.8**	**1.9**	--	0.50 U	--	**2.2**	2.4	2.4	0.50 U	0.50 U	**250**	**54**	4.4	0.50 U	0.50 U	**52**	0.50 U	**12**	48
			2/5/2013	0.50 U	0.50 U	0.74	500 U	**1.8**	**1.5**	--	0.50 U	--	**1.5**	1.4	1.7	0.50 U	0.50 U	**230**	**52**	3.6	0.50 U	0.50 U	**46**	0.50 U	**12**	50
			3/4/2013	0.50 U	0.56	0.90	500 U	**2.2**	**1.8**	--	0.50 U	--	**2.1**	1.8	1.8	0.50 U	0.50 U	**230**	**53**	4.2	0.50 U	0.50 U	**44**	0.50 U	**12**	50
			3/4/2013	0.50 U	0.53	1.0	500 U	**2.4**	--	--	0.50 U	--	**2.1**	1.9	2.2	0.50 U	0.50 U	1000 U	--	4.8	0.50 U	0.50 U	**43**	0.50 U	--	--
			4/29/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**17**	--
			5/1/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			5/2/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			5/6/2013	--	--	--	--	--	0.68	--	--	--	--	--	--	--	--	**110**	**25**	--	--	--	--	--	**16**	54
			5/6/2013	--	--	--	--	--	0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**17**	55
			5/7/2013	--	--	--	--	--	0.68	--	--	--	--	--	--	--	--	**78**	**26**	--	--	--	--	--	**17**	54
			5/8/2013	--	--	--	--	--	0.50 U	--	--	--	--	--	--	--	--	**42**	**23**	--	--	--	--	--	**18**	55
			5/8/2013	--	--	--	--	--	0.50 U	--	--	--	--	--	--	--	--	**40**	**22**	--	--	--	--	--	**18**	54 J
			5/9/2013	--	--	--	--	--	0.67	--	--	--	--	--	--	--	--	**74**	**27**	--	--	--	--	--	**16**	54
			5/9/2013	--	--	--	--	--	0.67	--	--	--	--	--	--	--	--	**97**	**24**	--	--	--	--	--	3	42
			5/9/2013	--	--	--	--	--	0.69	--	--	--	--	--	--	--	--	**73**	**27**	--	--	--	--	--	**17**	54
SGVWC B26B	08000190		1/4/2013	0.50 U	0.50 U	0.50 U	500 U	**2.1**	**1.9**	--	0.50 U	--	**15**	1.8	1.2	0.50 U	0.50 U	**82 J**	**49**	1.5	0.50 U	0.50 U	**61**	0.50 U	3	40
			2/5/2013	0.50 U	0.50 U	0.50 U	500 U	**1.4**	**1.5**	--	0.50 U	--	**9.8**	1.1	0.87	0.50 U	0.50 U	**72**	**47**	1.5	0.50 U	0.50 U	**49**	0.50 U	3	41
			3/4/2013	0.50 U	0.50 U	0.50 U	500 U	**1.9**	**2.0**	--	0.50 U	--	**14**	1.3	0.99	0.50 U	0.50 U	**75**	**48**	1.7	0.50 U	0.50 U	**58**	0.50 U	3	42
			3/4/2013	0.50 U	0.50 U	0.50 U	500 U	**2.1**	--	--	0.50 U	--	**15**	1.4	1.1	0.50 U	0.50 U	1000 U	--	1.7	0.50 U	0.50 U	**55**	0.50 U	--	--
			4/29/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4	--
			4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	--
			5/1/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	--
			5/2/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	--
			5/6/2013	--	--	--	--	--	2.0	--	--	--	--	--	--	--	--	**62**	**45**	--	--	--	--	--	3	41
			5/6/2013	--	--	--	--	--	2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	42
			5/7/2013	--	--	--	--	--	2.0	--	--	--	--	--	--	--	--	**100**	**48**	--	--	--	--	--	3	42
			5/8/2013	--	--	--	--	--	2.0	--	--	--	--	--	--	--	--	**77**	**47**	--	--	--	--	--	3	42
			5/8/2013	--	--	--	--	--	2.0	--	--	--	--	--	--	--	--	**66**	**48**	--	--	--	--	--	3	42 J
			5/9/2013	--	--	--	--	--	2.0	--	--	--	--	--	--	--	--	**57**	**49**	--	--	--	--	--	3	42
			5/9/2013	--	--	--	--	--	2.0	--	--	--	--	--	--	--	--	**85**	**46**	--	--	--	--	--	8	47
			5/9/2013	--	--	--	--	--	2.0	--	--	--	--	--	--	--	--	**66**	**48**	--	--	--	--	--	3	42
SGVWC B5B	61900719		1/2/2013	0.5 U	0.5 U	0.35 J	500 U	0.24 J	0.50 U	--	0.5 U	--	0.26 J	0.37 J	0.5 U	0.5 U	0.5 U	**17**	**8.6**	1.8	0.5 U	0.5 U	3.4	0.5 U	**12 J**	--
			2/4/2013	0.5 U	0.5 U	0.30 J	500 U	0.25 J	0.56	--	0.5 U	--	0.28 J	0.27 J	0.5 U	0.5 U	0.5 U	**13**	**8.2**	1.8	0.5 U	0.5 U	3.2	0.5 U	**11**	--
			3/6/2013	0.5 U	0.5 U	0.36 J	500 U	0.50 U	0.54	--	0.5 U	--	0.34 J	0.50 U	0.5 U	0.5 U	0.5 U	8.5	**9.0**	2.6	0.5 U	0.5 U	3.6	0.5 U	**11**	--
			4/2/2013	0.5 U	0.5 U	0.36 J	500 U	0.24 J	0.50 U	--	0.5 U	--	0.32 J	0.5 U	0.5 U	0.5 U	0.5 U	**11**	**8.5**	2.2	0.5 U	0.5 U	3.4	0.5 U	**12**	--
			5/14/2013	0.5 U	0.5 U	0.32 J	500 U	0.5 U	0.50 U	--	0.5 U	--	0.26 J	0.41 J	0.5 U	0.5 U	0.5 U	**13**	**9.2**	1.8	0.5 U	0.5 U	2.9	0.5 U	**11**	--
			5/16/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	--	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1000 UJ	--	2.0	0.50 U	0.50 U	2.9	0.50 U	--	--
			6/4/2013	0.5 U	0.5 U	0.38 J	500 U	0.5 U	0.55	--	0.5 U	--	0.29 J	0.36 J	0.5 U	0.5 U	0.5 U	**13**	**10**	2.0	0.5 U	0.5 U	2.9	0.5 U	**11**	--
			7/2/2013	0.5 U	0.5 U	0.37 J	500 U	0.28 J	0.50 U	--	0.5 U	--	0.29 J	0.70	0.5 U	0.5 U	0.5 U	**11**	**9.8**	2.7	0.5 U	0.5 U	3.5	0.5 U	**11**	--
			8/7/2013	0.5 U	0.5 U	0.24 J	500 U	0.21 J	0.50 U	--	0.5 U	--	0.28 J	0.25 J	0.5 U	0.5 U	0.5 U	**13**	**9.5**	1.9	0.5 U	0.5 U	3.0	0.5 U	**12**	--
			9/4/2013	0.5 U	0.5 U	0.28 J	500 U	0.23 J	0.50 U	--	0.5 U	--	0.24 J	0.25 J	0.5 U	0.5 U	0.5 U	**14**	**11**	2.5	0.5 U	0.5 U	3.0	0.5 U	**12**	--
			10/2/2013	0.5 U	0.5 U	0.32 J	500 U	0.27 J	0.50 U	--	0.5 U	--	0.35 J	0.87	0.5 U	0.5 U	0.5 U	**17**	**11**	2.2	0.5 U	0.5 U	3.6	1 U	**11 J**	--
			11/5/2013	0.5 U	0.5 U	0.32 J	500 U	0.21 J	0.50 U	--	0.5 U	--	0.24 J	0.70	0.5 U	0.5 U	0.5 U	**12**	**11**	2.5	0.5 U	0.5 U	3.3	1 U	**12**	--
			12/2/2013	0.5 U	0.5 U	0.30 J	500 U	0.23 J	0.50 UJ	--	0.5 U	--	0.21 J	0.73	0.5 U	0.5 U	0.5 U	**13**	**10**	2.6	0.5 U	0.5 U	3.2	1 U	**12**	--
SGVWC B5D	1910039		1/2/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	--	0.5 U	--	**0.88**	0.5 U	0.5 U	0.5 U	0.5 U	0.0020 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8 J	--
			2/4/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	--	0.5 U	--	**0.82**	0.5 U	0.5 U	0.5 U	0.5 U	0.0020 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	--
			3/6/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	--	0.5 U	--	**0.92**	0.5 U	0.5 U	0.5 U	0.5 U	0.0020 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	--
			4/2/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	--	0.5 U	--	**0.98**	0.5 U	0.5 U	0.5 U	0.5 U	0.0020 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0	--
			5/14/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	--	0.5 U	--	**0.82**	0.5 U	0.5 U	0.5 U	0.5 U	0.0020 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	--
			5/16/2013	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	--	--	0.50 U	--	**0.81**	0.50 U	0.50 U	0.50 U	0.50 U	1.0 UJ	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	--	--
			6/4/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	--	0.5 U	--	**0.82**	0.5 U	0.5 U	0.5 U	0.5 U	0.0020 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	--
			7/2/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	--	0.5 U	--	**0.83**	0.5 U	0.5 U	0.5 U	0.5 U	0.0020 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	--
			8/7/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	--	0.5 U	--	**0.85**	0.5 U	0.5 U	0.5 U	0.5 U	0.0020 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	--
			9/4/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	--	0.5 U	--	**0.78**	0.5 U	0.5 U	0.5 U	0.5 U	0.0020 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	--
			10/2/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	--	0.5 U	--	**1.1**	0.5 U	0.5 U	0.5 U	0.5 U	0.0020 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.9 J	--
			11/5/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	--	0.5 U	--	**0.81**	0.5 U	0.5 U	0.5 U	0.5 U	0.0020 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.0	--
			12/2/2013	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 UJ	--	0.5 U	--	**0.74**	0.5 U	0.5 U	0.5 U	0.5 U	0.0020 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.1	--

TABLE 5-3
2013 GROUNDWATER QUALITY MONITORING RESULTS
Baldwin Park Operable Unit
San Gabriel Valley, California

Well Name	Site ID	Port [a]	Sample Date	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	1,2,3-Trichloropropane (ng/L)	1,2-Dichloroethane (µg/L)	1,4-Dioxane (µg/L)	Acetone (µg/L)	Benzene (µg/L)	Carbon Disulfide (µg/L)	Carbon Tetrachloride (µg/L)	Chloroform (µg/L)	cis-1,2-Dichloroethene (µg/L)	Ethylbenzene (µg/L)	Methylene Chloride (µg/L)	NDMA (ng/L)	Perchlorate (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	trans-1,2-Dichloroethene (µg/L)	Trichloroethene (µg/L)	Xylenes, Total [b] (µg/L)	Nitrate as N [c] (mg/L)	Sulfate (mg/L)
Federal or California State MCL (NL) [SMCL] [d]				**200**	**5**	**6**	**5**	**0.5**	**(1)**	**--**	**1**	**160**	**0.5**	**80**	**6**	**300**	**5**	**(10)**	**6**	**5**	**150**	**10**	**5**	**1750**	**10**	**[250]**
SGVWC B5E	08000205		1/2/2013	0.5 U	0.5 U	0.74	500 U	**0.86**	0.52	--	0.5 U	--	**2.8**	0.31 J	0.91	0.5 U	0.5 U	**150**	**15**	2.3	0.5 U	0.5 U	**15**	0.5 U	**4 J**	--
			2/4/2013	0.5 U	0.5 U	0.72	500 U	**0.86**	0.57	--	0.5 U	--	**2.8**	0.31 J	0.86	0.5 U	0.5 U	**110**	**15**	2.1	0.5 U	0.5 U	**14**	0.5 U	**5**	--
			3/6/2013	0.5 U	0.5 U	0.68	500 U	**0.92**	**36**	--	0.5 U	--	**3.4**	0.50 U	0.87	0.5 U	0.5 U	**96**	**14**	2.8	0.5 U	0.5 U	**16**	0.5 U	**4**	--
			4/2/2013	0.5 U	0.5 U	0.89	500 U	**0.82**	0.50 U	--	0.5 U	--	**3.3**	0.5 U	1.1	0.5 U	0.5 U	**120**	**15**	2.7	0.5 U	0.5 U	**18**	0.5 U	**4**	--
			5/14/2013	0.5 U	0.5 U	0.81	500 U	0.5 U	0.50 U	--	0.5 U	--	**2.7**	0.44 J	0.72	0.5 U	0.5 U	**110**	**13**	2.3	0.5 U	0.5 U	**15**	0.5 U	**4**	--
			5/16/2013	0.50 U	0.50 U	0.71	500 U	**0.77**	--	--	0.50 U	--	**2.6**	0.50 U	0.88	0.50 U	0.50 U	1000 UJ	--	2.4	0.50 U	0.50 U	**14**	0.50 U	--	--
			6/4/2013	0.5 U	0.5 U	0.79	500 U	0.5 U	0.52	--	0.5 U	--	**2.6**	0.34 J	0.76	0.5 U	0.5 U	**110**	**17**	2.4	0.5 U	0.5 U	**14**	0.5 U	**4**	--
			7/2/2013	0.5 U	0.5 U	0.29 J	500 U	**1.4**	0.50 U	--	0.5 U	--	**1.2**	0.52	0.31 J	0.5 U	0.5 U	**120**	**20**	2.1	0.5 U	0.5 U	**14**	0.5 U	**5**	--
			8/7/2013	0.5 U	0.5 U	0.73	500 U	**0.92**	0.50 U	--	0.5 U	--	**3.0**	0.36 J	1.0	0.5 U	0.5 U	**130**	**17**	2.5	0.5 U	0.5 U	**16**	0.5 U	**4 J**	--
			9/4/2013	0.5 U	0.5 U	0.82	500 U	**0.84**	0.50 U	--	0.5 U	--	**2.4**	0.35 J	0.93	0.5 U	0.5 U	**75**	**18**	3.2	0.5 U	0.5 U	**15**	0.5 U	**5**	--
			10/2/2013	0.5 U	0.5 U	0.89	500 U	**1.1**	0.50 U	--	0.5 U	--	**3.4**	0.96	1.1	0.5 U	0.5 U	**100**	**19**	3.0	0.5 U	0.5 U	**19**	1 U	**4 J**	--
			11/5/2013	0.5 U	0.5 U	0.79	500 U	**0.78**	0.50 U	--	0.5 U	--	**2.5**	0.75	0.99	0.5 U	0.5 U	**58**	**18**	3.2	0.5 U	0.5 U	**17**	1 U	**4**	--
			12/2/2013	0.5 U	0.12 J	0.85	500 U	**0.94**	0.50 U	--	0.5 U	--	**2.4**	0.79	0.96	0.5 U	0.5 U	**60**	**17**	3.5	0.5 U	0.5 U	**17**	1 U	**4**	--
Multiport Monitoring Wells																										
EPA MW 5-01	EPAW501	Port 13	5/17/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	2.2 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2.0 U	5.3	1 U	1 U	1 U	1 U	--	2.4	37
		Port 12	5/17/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	2.1 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1.0 J	1.2 J	1 U	1 U	1 U	1 U	--	0.43	33
		Port 11	5/17/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	1.7 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1.1 J	1.2 J	1 U	1 U	1 U	1 U	--	0.35	28
		Port 10	5/17/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	1.4 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.87 J	1.3 J	1 U	1 U	1 U	1 U	--	2.0	35
		Port 9	5/17/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5.2	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1.3 J	3.8	1 U	1 U	1 U	1 U	--	3.8	39
		Port 8	5/17/2013	1 U	1 U	1 U	--	0.5 U	--	2.0 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1.4 J	**13**	0.51 J	1 U	1 U	0.77 J	--	**15**	55
		Port 7	5/17/2013	1 U	1 U	1 U	--	0.5 U	--	2.3 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1.5 J	4.7	1 U	1 U	1 U	1.7 J	--	4.0	75
		Port 6	5/17/2013	1 U	1 U	1 U	--	0.5 U	--	4.0 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1.1 J	**8.9**	1 U	1 U	1 U	1 U	--	7.8	70
		Port 5	5/17/2013	1 U	1 U	1 U	--	0.5 U	--	0.93 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	**14**	1 U	1 U	1 U	1.4	--	**11**	32
		Port 4	5/17/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	0.11	25
		Port 3	5/17/2013	1 U	1 U	1 U	--	0.5 U	--	3.5 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.60 J	2 U	1 U	1 U	1 U	1 U	--	0.11 U	30
		Port 2	5/17/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	3.7	2 U	1 U	1 U	1 U	1 U	--	0.11 U	25
		Port 1	5/17/2013	1 U	1 U	1 U	--	0.5 U	--	13	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	0.33	34
MW 5-03	BPW503	Port 10	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		Port 10	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		Port 9	5/10/2013	1 U	0.69 J	**7.4**	--	0.5 U	**6.8**	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2.4	2 U	1.7	1 U	1 U	11	--	2.5	51
		Port 9	11/4/2013	1 U	0.47 J	3.2	--	0.5 U	**10**	5 U	1 U	1 U	0.5 U	1 U	0.42 J	1 U	1 U	2 U	2 U	1.1	1 U	1 U	**5.3**	--	3.3	54
		Port 9	12/11/2013	0.50 U	0.76	**6.7**	500 U	0.50 U	**10**	--	0.50 U	--	0.50 U	0.50 U	0.71	0.50 U	0.50 U	1000 UJ	2.0 U	1.4	0.50 U	0.50 U	**10**	1.0 U	--	--
		Port 9	12/11/2013	0.50 U	1.2	14	500 U	0.50 U	**12**	--	0.50 U	--	0.50 U	0.50 U	1.0	0.50 U	0.50 U	1000 U	2.0 U	2.6	0.50 U	0.50 U	**18**	1.0 U	--	--
		Port 8	5/10/2013	1 U	0.48 J	**8.8**	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	0.52 J	1 U	1 U	1 U	2 U	1.9 J	1.6	1 U	1 U	**11**	--	8.5	50
		Port 8	11/4/2013	1 U	1 U	**5.2**	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	0.59 J	1 U	1 U	1 U	2.1 U	1.2 J	0.98 J	1 U	1 U	**5.9**	--	9.6	54
		Port 7	5/10/2013	1 U	1 U	1.4	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	0.63 J	1 U	1 U	1 U	2 U	1.8 J	1.8	1 U	1 U	2.0	--	**13**	54
		Port 7	11/4/2013	1 U	1 U	0.93 J	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	0.65 J	1 U	1 U	1 U	2 U	3.9	1.7	1 U	1 U	1.2	--	**21**	55
		Port 6	5/10/2013	1 U	1 U	0.56 J	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	3.7	2.4	1 U	1 U	1.0	--	**18**	52
		Port 6	11/4/2013	1 U	1 U	0.35 J	--	0.5 U	0.5 U	4.4 J	1 U	1 U	0.5 U	0.45 J	1 U	1 U	1 U	2 U	2.2	2.1	1 U	1 U	0.54 J	--	**17**	57
		Port 5	5/10/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	**9.8**	1.0	1 U	1 U	0.52 J	--	**17**	43
		Port 5	11/4/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	0.90 J	1 U	1 U	2 U	**11**	1.4	1 U	1 U	0.58 J	--	**20**	45
		Port 4	5/10/2013	1 U	1 U	1 U	--	0.5 U	--	1.7 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.75 J	**7.7**	0.50 J	1 U	1 U	1 U	--	7.4	40
		Port 3	5/10/2013	1 U	1 U	1 U	--	0.5 U	--	1.4 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	**7.8**	1 U	1 U	1 U	1 U	--	6.8	30
		Port 2	5/10/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	0.11 U	25
		Port 2	12/9/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1000 U	2.0 U	0.50 U	0.50 U	0.50 U	0.50 U	1.0 U	--	--
		Port 1	5/10/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1.3	--	0.11 U	29
		Port 1	12/9/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1000 U	2.0 U	0.50 U	0.50 U	0.50 U	1.2	1.0 U	--	--
MW 5-05	BPW505	Port 4	5/8/2013	1 U	1 U	1.8	--	0.5 U	**1.2**	5 U	1 U	1 U	0.5 U	0.93 J	2.9	1 U	1 U	2 U	**12**	**8.8**	1 U	1 U	**28**	--	**12**	53
		Port 3	5/8/2013	1 U	3.5	**17**	--	**2.0**	**15**	5 U	1 U	1 U	**0.69**	6.5	**21**	1 U	1 U	**83**	**59**	**140**	1 U	1 U	**200**	--	6.1	41
		Port 2	5/8/2013	0.82 J	2.7	**29**	--	**3.2**	**14**	5 U	1 U	1 U	**1.5**	7.3	**32**	1 U	1 U	**160**	**74**	**250**	1 U	1 U	**230**	--	4.5	40
		Port 1	5/8/2013	1 U	0.84 J	4.4	--	**4.9**	**6.7**	5 U	1 U	1 U	**5.4**	7.7	5.7	1 U	1 U	**380**	**230**	**38**	1 U	1 U	**170**	--	4.6	45
MW 5-08	BPW508	Port 4	5/8/2013	1 U	0.52 J	11	--	**0.71**	**4.3**	5 U	1 U	1 U	0.5 U	9.8	**9.9**	1 U	1 U	3.9	**12**	**79**	1 U	1 U	**120**	--	**9.8**	40
		Port 3	5/8/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	**0.84**	1 U	1 U	1 U	1 U	2 U	2 U	3.5 U	1 U	1 U	4.3 U	--	1.5	28
		Port 2	5/8/2013	1 U	1 U	0.80 J	--	0.5 U	0.5 U	5 U	1 U	1 U	0.50	1 U	1 U	1 U	1 U	2 U	2 U	4.5 U	1 U	1 U	4.8	--	1.7	36
		Port 1	5/8/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1.0 U	1 U	1 U	1.0 U	--	1.0	35
MW 5-11	BPW511	Port 3	5/13/2013	1 U	1 U	0.84 J	--	0.5 U	**3.7**	5 UJ	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	**33**	**14**	1 U	1 U	**8.9**	--	2.4	43
		Port 3	12/12/2013	0.50 U	0.50 U	4.3	500 U	0.50 U	**5.3**	--	0.50 U	--	0.50 U	0.69	0.58	0.50 U	0.50 U	1000 U	**36**	**14**	0.50 U	0.50 U	**13**	1.0 U	--	--
		Port 2	5/13/2013	1 U	1 U	1 U	--	0.5 U	0.14 J	5 UJ	1 U	1 U	0.5 U	1.1	1.8	1 U	1 U	1.4 J	1.4 J	**63**	1 U	1 U	**54**	--	3.2	43
		Port 2	12/12/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	2.7	4.6	0.50 U	0.50 U	1000 UJ	2.0 U	**80**	0.50 U	0.50 U	**48**	1.0 U	--	--
		Port 1	5/13/2013	1 U	1 U	2.2	--	0.5 U	0.21 J	5 UJ	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	1.5 J	**12**	1 U	1 U	2.9	--	7.3	45
		Port 1	12/11/2013	0.50 U	0.50 U	1.6	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1000 U	2.0 U	**13**	0.50 U	0.50 U	1.8	1.0 U	--	--
MW 5-13	BPW513	Port 3	5/14/2013	1 U	1 U	1 U	--	0.5 U	**3.6**	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.66 J	22	**5.0**	1 U	1 U	3.7	--	0.83	30
		Port 3	12/16/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	**7.4**	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1000 U	7.7	2.5	0.50 U	0.50 U	1.7	1.0 U	--	--
		Port 2	5/14/2013	1 U	1 U	1 U	--	0.5 U	0.51	5 U	1 U	1 U	0.5 U	0.54 J	1.2	1 U	1 U	1.1 J	2 U	**29**	1 U	1 U	**51**	--	3.9	41
		Port 2	12/13/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.95	2.0	0.50 U	0.50 U	1000 U	2.0 U	**28**	0.50 U	0.50 U	**36**	1.0 U	--	--
		Port 1	5/14/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1.1 J	1.1 J	1.8	1 U	1 U	0.76 J	--	2.3	47
		Port 1	12/13/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.73	0.50 U	0.50 U	0.50 U	1000 U	2.0 U	2.7	0.50 U	0.50 U	0.66	1.0 U	--	--
MW 5-15	BPW515	Port 3	5/15/2013	1 U	1 U	0.94 J	--	0.5 U	0.92	5 U	1 U	1 U	0.5 U	0.48 J	1.8	1 U	1 U	2 U	**12**	3.6	1 U	1 U	**10**	--	5.1 J	54
		Port 2	5/15/2013	1 U	8.9	**25**	--	0.5 U	**9.6**	5 U	1 U	1 U	0.5 U	0.98 J	**6.0**	1 U	1 U	**16**	**16**	**27**	1 U	1 U	**38**	--	4.3 J	51
		Port 1	5/15/2013	1 U	0.54 J	0.98 J	--	**2.8**	**2.2**	5 U	1 U	1 U	**2.0 J**	4.4	1.6	1 U	1 U	**110**	**54**	**13**	1 U	1 U	**120**	--	7.2 J	58
MW 5-17	BPW517	Port 3	5/30/2013	1 U	1 U	1 U	--	0.5 U	**3.4**	5 U	1 U	1 U	0.5 U	1 U	0.82 J	1 U	1 U	2 U	**8.4**	**30**	1 U	1 U	**9.1**	--	5.5	37
		Port 3	12/13/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	**1.3**	--	0.50 U	--	0.50 U	0.69	1.2	0.50 U	0.50 U	1000 U	**16**	**60**	0.50 U	0.50 U	**26**	1.0 U	--	--
		Port 2	5/30/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	**14**	1 U	1 U	**20**	--	3.5	40
		Port 2	12/12/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.58	0.85	0.50 U	0.50 U	1000 U	2.0 U	**33**	0.50 U	0.50 U	**43**	1.0 U	--	--
		Port 1	5/30/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2.0 U	2.5	2.1	1 U	1 U	0.68 J	--	0.39	41
		Port 1	12/12/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.94	0.50 U	0.50 U	0.50 U	1000 U	2.8	3.9	0.50 U	0.50 U	1.1	1.0 U	--	--

TABLE 5-3
2013 GROUNDWATER QUALITY MONITORING RESULTS
Baldwin Park Operable Unit
San Gabriel Valley, California

Well Name	Site ID	Port [a]	Sample Date	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	1,2,3-Trichloropropane (ng/L)	1,2-Dichloroethane (µg/L)	1,4-Dioxane (µg/L)	Acetone (µg/L)	Benzene (µg/L)	Carbon Disulfide (µg/L)	Carbon Tetrachloride (µg/L)	Chloroform (µg/L)	cis-1,2-Dichloroethene (µg/L)	Ethylbenzene (µg/L)	Methylene Chloride (µg/L)	NDMA (ng/L)	Perchlorate (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	trans-1,2-Dichloroethene (µg/L)	Trichloroethene (µg/L)	Xylenes, Total [b] (µg/L)	Nitrate as N [c] (mg/L)	Sulfate (mg/L)
Federal or California State MCL (NL) [SMCL] [d]				**200**	**5**	**6**	**5**	**0.5**	**(1)**	**--**	**1**	**160**	**0.5**	**80**	**6**	**300**	**5**	**(10)**	**6**	**5**	**150**	**10**	**5**	**1750**	**10**	**[250]**
MW 5-18	BPW518	Port 3	5/9/2013	1 U	1 U	1.3	--	0.5 U	0.5 U	5.0 UJ	1 U	1 U	0.5 U	1.1	1 U	1 U	1 U	2 U	2 U	0.99 J	1 U	1 U	1.7	--	**10**	50
		Port 3	12/11/2013	0.50 U	0.50 U	2.6	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	2.1	0.50 U	0.50 U	0.50 U	1000 U	2.3	3.1	0.50 U	0.50 U	3.7	1.0 U	--	--
		Port 3	5/9/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5.0 UJ	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 UJ	1 U	1 U	1 U	--	0.11 U	0.5 U
		Port 2	5/9/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 UJ	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2.9	0.97 J	1 U	1 U	1 U	--	**20**	57
		Port 2	12/11/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1000 U	2.0 U	1.7	0.50 U	0.50 U	0.50 U	1.0 U	--	--
		Port 1	5/9/2013	1 U	1 U	1 U	--	0.5 U	--	5.0 UJ	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	3.5	1 UJ	1 U	1 U	1 U	--	**22**	53
		Port 1	12/11/2013	0.50 U	0.50 U	0.50 U	500 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1000 U	3.4	0.81	0.50 U	0.50 U	0.50 U	1.0 U	--	--
MW 5-19	BPW519	Port 6	5/16/2013	1 U	1 U	1 U	--	0.5 U	0.14 J	0.83 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2.0	1 U	1 U	1 U	1 U	--	3.7	92 J
		Port 5	5/16/2013	1 U	1 U	1.1	--	0.5 U	0.29 J	5 U	1 U	1 U	**0.98 J**	0.61 J	0.93 J	1 U	1 U	1.2 J	**15**	**6.4**	1 U	1 U	**13**	--	**18**	62 J
		Port 5	11/5/2013	1 U	1 U	1 U	--	0.39 J	0.38 J	5 U	1 U	1 U	0.5 U	0.67 J	1 U	1 U	1 U	2.6 U	**19**	2.5	1 U	1 U	3.9	--	**19**	67
		Port 4	5/16/2013	1 U	1 U	2.1	--	**0.93**	0.98	5 U	1 U	1 U	**1.9 J**	0.71 J	1.8 J	1 U	1 U	**110**	**23**	**7.4**	1 U	1 U	**28**	--	5.4	29 J
		Port 4	11/5/2013	1 U	1 U	2.2	--	**0.83**	0.84	5 U	1 U	1 U	**1.5**	1.1	2.7	1 U	1 U	**55**	**24**	**8.7**	1 U	1 U	**30**	--	5.2	29
		Port 3	5/16/2013	1 U	1 U	0.86 J	--	0.5 U	--	5 U	1 U	1 U	**3.7 J**	1 U	0.85 J	1 U	1 U	**14**	**9.6**	3.2	1 U	1 U	**11**	--	5.5	34 J
		Port 3	11/5/2013	1 U	1 U	1.5	--	0.36 J	--	5 U	1 U	1 U	**4.2**	0.64 J	1.6	1 U	1 U	10 U	**12**	4.9	1 U	1 U	**17**	--	5.5	35
		Port 2	5/16/2013	1 U	1 U	1 U	--	0.5 U	--	1.2 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.68 J	2 U	1 U	1 U	1 U	1 U	--	0.79	25 J
		Port 1	5/16/2013	1 U	1 U	1 U	--	0.5 U	--	1.8 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	0.72	22 J
MW 5-20	BPW520	Port 7	5/31/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	**6.5**	1.6	1 U	1 U	3.5	--	**13**	90
		Port 6	5/31/2013	1 U	1 U	1 U	--	0.5 U	--	2.9 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 UJ	**19**	1 U	1 U	1 U	0.90 J	--	**17**	51
		Port 5	5/31/2013	1 U	1 U	1 U	--	**0.89**	0.21 J	7.9	1 U	1 U	**0.76**	1 U	1 U	1 U	1 U	**99 J**	**15**	0.89 J	0.69 J	1 U	**13**	--	1.3	18
		Port 4	5/31/2013	1 U	1.3	1.0	--	**5.1**	**2.9**	5 U	1 U	1 U	**2.8**	3.0	3.1	1 U	1 U	**390**	**100**	**6.2**	1 U	1 U	**91**	--	5.9	37
		Port 3	5/31/2013	1 U	2.5	3.2	--	**6.0**	**4.2**	1.2 J	1 U	1 U	**6.4**	5.0	**7.4**	1 U	1 U	**370**	**160**	**15**	1 U	1 U	**180**	--	5.5	38
		Port 2	5/31/2013	1 U	1 U	1 U	--	0.5 U	0.23 J	5 U	1 U	1 U	**2.6**	1 U	0.51 J	1 U	1 U	**21 J**	**11**	1.5	1 U	1 U	**10**	--	1.3	25
		Port 1	5/31/2013	1 U	1 U	1 U	--	**0.76**	--	0.97 J	1 U	1 U	**5.3**	1 U	1 U	1 U	1 U	**13 J**	**31**	1 U	1 U	1 U	**22**	--	2.6	33
MW 5-22	BPW522	Port 6	5/20/2013	1 U	0.77 J	5.7	--	0.5 U	--	5.0 U	1 U	1 U	0.5 U	1.1	1 U	1 U	1 U	2 U	3.6	**5.0**	1 U	1 U	2.2	--	**16**	170
		Port 5	5/20/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.66 J	5.9	0.77 J	1 U	1 U	0.49 J	--	6.9	34
		Port 4	5/20/2013	1 UJ	1 UJ	1 UJ	--	0.5 UJ	--	5.0 UJ	1 UJ	1 UJ	0.5 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1.8 J	2.5	1 UJ	1 UJ	1 UJ	1.3 J	--	1.2	18
		Port 3	5/20/2013	1 U	0.47 J	5.4	--	0.5 U	--	5.0 U	1 U	1 U	**9.3**	3.2	4.2	1 U	1 U	**550**	**110**	11	1 U	1 U	**100**	--	5.2	33
		Port 2	5/20/2013	1 U	1 U	1 U	--	0.5 U	--	5.0 U	1 U	1 U	**4.5**	1 U	1 U	1 U	1 U	1.0 J	4.0	1 U	1 U	1 U	2.3	--	1.7	23
		Port 1	5/29/2013	1 UJ	1 UJ	1 UJ	--	0.5 UJ	--	5.0 UJ	1 UJ	1 UJ	**1.3 J**	1 UJ	1 UJ	1 UJ	1 UJ	2 U	2 U	1 UJ	1 UJ	1 UJ	1 UJ	--	1.1	28
		Port 1	5/29/2013	1 UJ	1 UJ	1 UJ	--	0.5 UJ	--	5.0 UJ	1 UJ	1 UJ	0.5 UJ	1 UJ	1 UJ	1 UJ	0.77 J	1.9 J	2 U	1 UJ	1 UJ	1 UJ	1 UJ	--	0.058 J	0.5 U
MW 5-23	BPW523	Port 6	5/15/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	0.37 J	110
		Port 5	5/15/2013	1 U	1 U	1 U	--	0.5 U	0.10 J	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	**16**	2.2	1 U	1 U	2.5	--	**20 J**	63
		Port 4	5/15/2013	1 U	1 U	1 U	--	0.5 U	**2.0**	5 U	1 U	1 U	**1.8 J**	2.5	0.51 J	1 U	1 U	**970**	**59**	1.6	1 U	1 U	**32**	--	**10 J**	38
		Port 3	5/15/2013	1 U	1.8	3.9	--	**3.7**	**4.6**	5 U	1 U	1 U	**2.1 J**	4.6	7.6	1 U	1 U	**510**	**120**	**14**	1 U	1 U	**110**	--	5.5 J	38
		Port 2	5/15/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	**6.6 J**	1 U	1 U	1 U	1 U	3.4 U	3.6	0.86 J	1 U	1 U	3.8	--	2.8 J	30
		Port 1	5/15/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	**6.6 J**	1 U	1 U	1 U	1 U	2 U	1.9 J	1.1	1 U	1 U	3.6	--	2.2 J	33
MW 5-24	BPW524	Port 7	5/13/2013	1 U	1 U	3.5	--	0.5 U	**3.2**	5 U	1 U	1 U	0.5 U	1.6	3.2	1 U	1 U	2 U	**8.0**	**59**	1 U	1 U	**31**	--	**9.5**	43
		Port 7	11/6/2013	1 U	0.55 J	3.3	--	0.38 J	**3.4**	5 U	1 U	1 U	0.5 U	1.5	3.9	1 U	1 U	2 U	**10**	**51**	1 U	1 U	**26**	--	**10**	45
		Port 6	5/13/2013	1 U	1 U	1.8	--	**0.82**	**1.3**	5 UJ	1 U	1 U	**1.8 J**	1.6	**7.3**	1 U	1 U	**30**	**22**	**210**	1 U	1 U	**110**	--	4.8	48
		Port 6	11/6/2013	1 U	0.73 J	5.9	--	**1.2**	**1.7**	5 U	1 U	1 U	**1.7**	3.0	**13**	1 U	1 U	**46**	**45**	**260**	1 U	1 U	**160**	--	**28**	240
		Port 5	5/13/2013	1 U	1 U	1.5	--	**0.88**	0.64	5 UJ	1 U	1 U	**0.79 J**	2.1	**19**	1 U	1 U	5.1	**9.0**	**370**	1 U	1 U	**180**	--	3.3	48
		Port 5	11/6/2013	1 U	1 U	1.0	--	**0.67**	0.54	5 U	1 U	1 U	0.35 J	1.8	**17**	1 U	1 U	2.9 U	**11**	**260**	1 U	1 U	**180**	--	3.2	47
		Port 4	5/13/2013	1 U	1 U	0.66 J	--	0.5 U	0.58	5 UJ	1 U	1 U	**0.71 J**	1 U	3.1	1 U	1 U	2 U	1.9 J	**89**	1 U	1 U	**130**	--	4.6	45
		Port 4	11/5/2013	1 U	1 U	0.68 J	--	0.5 U	0.60	5 U	1 U	1 U	**0.54**	0.47 J	3.0	1 U	1 U	2 U	3.9	**94**	1 U	1 U	**150**	--	5.6	45
		Port 3	5/13/2013	1 U	1 U	1 U	--	0.5 U	0.13 J	5 UJ	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	3.8	2 U	**6.0**	1 U	1 U	**12**	--	4.5	48
		Port 3	11/5/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	3.6 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	1.6 J	**5.0**	1 U	1 U	**11**	--	5.2	47
		Port 2	5/13/2013	1 U	1 U	1 U	--	0.5 U	**9.6**	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	4.9	2 U	1 U	1 U	1 U	1 U	--	2.6	62
		Port 2	11/5/2013	1 U	1 U	1 U	--	0.5 U	**8.6**	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	1.1 J	1 U	1 U	1 U	1 U	--	2.7	62
		Port 1	5/13/2013	1 U	1 U	1 U	--	0.5 U	**10**	1.4 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2.6	2 U	1 U	1 U	1 U	1 U	--	1.6	54
		Port 1	11/5/2013	1 U	1 U	1 U	--	0.5 U	**8.3**	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	1.6	54
MW 5-25	BPW525	Port 7	5/14/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	1.6 J	1 U	1 U	1 U	1 U	--	3.1	33
		Port 7	11/6/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2.0 U	2.5	1 U	1 U	1 U	1 U	--	3.8	32
		Port 6	5/14/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	2.9	36
		Port 6	11/6/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2.1	1 U	1 U	1 U	1 U	--	4.1	34
		Port 5	5/14/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	**16**	0.87 J	1 U	1 U	1 U	--	**20**	61
		Port 5	11/6/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	0.38 J	1 U	1 U	1 U	2 U	**16**	0.74 J	1 U	1 U	1 U	--	**20**	63
		Port 4	5/14/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	**20**	0.87 J	1 U	1 U	0.46 J	--	**20**	63
		Port 4	11/6/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	0.38 J	1 U	1 U	1 U	2 U	**23**	1.6	1 U	1 U	0.63 J	--	**22**	65
		Port 3	5/14/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	2.6 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	**19**	0.95 J	1 U	1 U	1 U	--	**20**	36
		Port 3	11/6/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	**23**	1.9	1 U	1 U	1 U	--	**22**	41
		Port 2	5/14/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	1.8 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	4.3	1 U	1 U	1 U	1 U	--	4.4	20
		Port 2	11/6/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	4.8 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	**6.1**	0.56 J	1 U	1 U	1 U	--	5.0	22
		Port 1	5/14/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	**2.6 J**	1 U	1 U	1 U	1 U	1.8 J	1.2 J	1 U	1 U	1 U	1 U	--	1.2	29
		Port 1	11/6/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	**1.8**	1 U	1 U	1 U	1 U	2 U	0.97 J	0.69 J	1 U	1 U	1 U	--	1.4	29
MW 5-26	BPW526	Port 7	5/16/2013	1 U	1 U	1 U	--	0.5 U	--	1.9 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	3.2	37 J
		Port 7	11/7/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 UJ	2 U	1 U	1 U	1 U	1 U	--	3.8	38
		Port 6	5/16/2013	1 UJ	1 UJ	1 UJ	--	0.5 UJ	--	5 UJ	1 UJ	1 UJ	0.5 UJ	1 UJ	1 UJ	1 UJ	1 UJ	2.5	2 U	1 UJ	1 UJ	1 UJ	1 UJ	--	5.5	44 J
		Port 6	11/7/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	3.1 J	2 U	1 U	1 U	1 U	1 U	--	4.7	35
		Port 5	5/16/2013	1 U	1 U	1 U	--	0.5 U	--	1.2 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	1.2	29 J
		Port 5	11/7/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 UJ	2 U	1 U	1 U	1 U	1 U	--	1.8	34
		Port 4	5/16/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	0.58	24 J
		Port 4	11/7/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 UJ	2 U	1 U	1 U	1 U	1 U	--	0.63	25
		Port 3	5/16/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.56 J	2 U	1 U	1 U	1 U	1 U	--	0.51	23 J
		Port 3	11/7/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 UJ	2 U	1 U	1 U	1 U	1 U	--	0.57	24
		Port 2	5/16/2013	1 UJ	1 UJ	1 UJ	--	0.5 UJ	--	5 UJ	1 UJ	1 UJ	0.5 UJ	1 UJ	1 UJ	1 UJ	1 UJ	2 U	2 U	1 UJ	1 UJ	1 UJ	1 UJ	--	0.51	29 J
		Port 2	11/7/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 UJ	0.95 J	1 U	1 U	1 U	1 U	--	0.54	30
		Port 1	5/16/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	0.47	31 J
		Port 1	11/7/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 UJ	2 U	1 U	1 U	1 U	1 U	--	0.51	32

TABLE 5-3
2013 GROUNDWATER QUALITY MONITORING RESULTS
Baldwin Park Operable Unit
San Gabriel Valley, California

Well Name	Site ID	Port [a]	Sample Date	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	1,2,3-Trichloropropane (ng/L)	1,2-Dichloroethane (µg/L)	1,4-Dioxane (µg/L)	Acetone (µg/L)	Benzene (µg/L)	Carbon Disulfide (µg/L)	Carbon Tetrachloride (µg/L)	Chloroform (µg/L)	cis-1,2-Dichloroethene (µg/L)	Ethylbenzene (µg/L)	Methylene Chloride (µg/L)	NDMA (ng/L)	Perchlorate (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	trans-1,2-Dichloroethene (µg/L)	Trichloroethene (µg/L)	Xylenes, Total [b] (µg/L)	Nitrate as N [c] (mg/L)	Sulfate (mg/L)
Federal or California State MCL (NL) [SMCL] [d]				**200**	**5**	**6**	**5**	**0.5**	**(1)**	**--**	**1**	**160**	**0.5**	**80**	**6**	**300**	**5**	**(10)**	**6**	**5**	**150**	**10**	**5**	**1750**	**10**	**[250]**
MW 5-27	BPW527	Port 7	5/9/2013	1 U	1 U	1 U	--	0.5 U	--	5.0 UJ	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 UJ	1 U	1 U	1 U	--	0.29	63
		Port 7	11/8/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 UJ	2 U	1 U	1 U	1 U	1 U	--	0.40	63
		Port 6	5/9/2013	1 U	1 U	1 U	--	0.5 U	--	5.0 UJ	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 UJ	1 U	1 U	1 U	--	1.7	42
		Port 6	11/8/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 UJ	1.2 J	1 U	1 U	1 U	1 U	--	1.8	43
		Port 5	5/9/2013	1 U	1 U	1 U	--	0.5 U	--	5.0 UJ	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1.7 J	2 U	1 UJ	1 U	1 U	1 U	--	0.95	20
		Port 5	11/8/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 UJ	2 U	1 U	1 U	1 U	1 U	--	0.99	21
		Port 4	5/9/2013	1 U	1 U	1 U	--	0.5 U	--	5 UJ	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 UJ	1 U	1 U	1 U	--	0.90	22
		Port 4	11/8/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 UJ	2 U	1 U	1 U	1 U	1 U	--	0.96	23
		Port 3	5/9/2013	1 U	1 U	1 U	--	0.5 U	--	5.0 UJ	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 UJ	1 U	1 U	1 U	--	0.29	18
		Port 3	11/8/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1.6 J	2 U	1 U	1 U	1 U	1 U	--	0.33	19
		Port 2	5/9/2013	1 U	1 U	1 U	--	0.5 U	--	5.0 UJ	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.52 J	2 U	1 UJ	1 U	1 U	1 U	--	0.45	19
		Port 2	11/8/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 UJ	2 U	1 U	1 U	1 U	1 U	--	0.46	20
		Port 1	5/9/2013	1 U	1 U	1 U	--	0.5 U	--	5.0 UJ	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 UJ	1 U	1 U	1 U	--	0.19	17
		Port 1	11/8/2013	1 U	1 U	1 U	--	0.5 U	--	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 UJ	2 U	1 U	1 U	1 U	1 U	--	0.21	17
WHICO MP-1	W10WHMP1	Port 6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		Port 5	5/30/2013	1 U	1 U	1 U	--	0.5 U	0.58	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	**16**	**23**	1 U	1 U	**14**	--	2.2	32
		Port 4	5/30/2013	1 U	1 U	1 U	--	0.5 U	**1.6**	5 U	1 U	1 U	0.5 U	1 U	4.4	1 U	1 U	13	2.5	**200**	1 U	1 U	**130**	--	2.3	36
		Port 4	5/30/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.58 J	2 U	1 U	1 U	1 U	1 U	--	0.053 J	0.5 U
		Port 3	5/30/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	0.52 J	1 U	1 U	2 U	2 U	**55**	1 U	1 U	**46**	--	0.11 U	36
		Port 2	5/30/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	1.4 J	**5.8**	1 U	1 U	**13**	--	3.4	47
		Port 1	5/30/2013	1 U	1 U	1 U	--	0.5 U	0.070 J	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	**5.9**	1 U	1 U	1.9	--	0.11 U	48
Other Monitoring Wells																										
AJ MW-2R	W11AJMW2R		2/27/2013	0.5 U	0.55	0.5 U	1.0 U	**0.81**	**3.7**	10 U	0.5 U	1.0 U	**2.1**	11.0	**7.7**	0.5 U	1.0 U	**37**	**370**	**140**	0.5 U	1.1	**210**	0.5 U	7.3	41
			5/23/2013	0.5 U	0.56	1.5	1.0 U	**0.74**	**2.4**	10 U	0.5 U	1.0 U	**1.8**	9.0	**8.0**	0.5 U	1.0 U	**49**	**270**	**62**	0.5 U	0.5 U	**160**	0.5 U	6.3	43
			8/28/2013	0.5 U	0.5 U	0.5 U	1.0 U	**0.68**	**4.9**	10 U	0.5 U	1.0 U	0.5 U	3.6	**5.0**	0.5 U	1.0 U	**270**	**80**	**17**	0.5 U	0.5 U	**51**	0.5 U	6.4	40
			11/20/2013	0.5 U	0.5 U	0.5 U	1.0 U	0.5 U	**3.3**	10 U	0.5 U	1.0 U	0.5 U	2.6	**6.7**	0.5 U	1.0 U	**130**	4.7	**24**	0.5 U	0.5 U	**33**	0.5 U	5.6	36
							1.0 U			10 U	0.5 U	1.0 U				0.5 U	1.0 U				0.5 U			0.5 U		
AJMW-4			2/27/13	0.5 U	0.57	1.4	1.0 U	0.5 U	1.0 U	10 U	0.5 U	1.0 U	**1.9**	8.3	2.3	0.5 U	1.0 U	2 U	**120**	**24**	0.5 U	0.5 U	**190**	0.5 U	4.9	44
			5/23/2013	0.5 U	0.65	1.7	1.0 U	0.5 U	1.0 U	10 U	0.5 U	1.0 U	**1.3**	8.2	3.4	0.5 U	1.0 U	2 U	**200**	**23**	0.5 U	0.5 U	**140**	0.5 U	5.0	43
			8/28/2013	--	0.5 U	0.5 U	1.0 U	**0.66**	**1.4**	10 U	0.5 U	1.0 U	0.5 U	22	1.1	0.5 U	1.0 U	6.5	**140**	**6.3**	0.5 U	0.5 U	**37**	0.5 U	5.7	45
			11/20/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AJ MW-6	W11AJMW6		2/27/13	0.5 U	0.5 U	0.5 U	1.0 U	0.5 U	1.2 U	10 U	0.5 U	1.0 U	**0.55**	22	2.6	0.5 U	1.0 U	2 U	**41 f**	2.5	0.5 U	0.5 U	**23**	0.5 U	4.5	20
			2/27/13	0.5 U	0.5 U	0.5 U	1.0 U	0.5 U	1.1 U	10 U	0.5 U	1.0 U	**0.56**	22	2.4	0.5 U	1.0 U	2.2 U	**26 f**	2.4	0.5 U	0.5 U	**22**	0.5 U	4.1	18
			5/23/2013	0.5 U	0.5 U	0.75	1.0 U	0.5 U	1.0 U	10 U	0.5 U	1.0 U	**0.51**	4.8	4.9	0.5 U	1.0 U	2 U	**220**	4.3	0.5 U	0.5 U	**54**	0.5 U	5.8	26
			5/23/2013	0.5 U	0.5 U	0.64	1.0 U	**0.55**	1.0 U	10 U	0.5 U	1.0 U	0.5 U	4.4	4.4	0.5 U	1.0 U	2 U	**230**	3.9	0.5 U	0.5 U	**65**	0.5 U	5.8	26
			8/28/2013	0.5 U	0.5 U	0.68	1.0 U	0.5 U	1.0 U	10 U	0.5 U	1.0 U	**0.74**	3.7	1.2	0.5 U	1.0 U	2 U	**85**	4.3	0.5 U	0.5 U	**55**	0.5 U	6.6	29
			8/28/2013	0.5 U	0.5 U	0.59	1.0 U	0.5 U	1.0 U	10 U	0.5 U	1.0 U	**0.64**	3.3	1.2	0.5 U	1.0 U	2 U	**84**	4.3	0.5 U	0.5 U	**63**	0.5 U	6.5	29
			11/20/2013	0.5 U	0.5 U	0.5 U	1.0 U	0.5 U	**1.7**	10 U	0.5 U	1.0 U	0.5 U	1.2	0.88	0.5 U	1.0 U	2 U	3.2	**17**	0.5 U	0.5 U	**39**	0.5 U	5.1	23
			11/20/2013	--	0.5 U	0.5 U	1.0 U	0.5 U	**1.3**	10 U	0.5 U	1.0 U	0.5 U	1.2	0.82	0.5 U	1.0 U	2 U	2.3	**16**	0.5 U	0.5 U	**39**	0.5 U	5.0	22
ALR MW-1R	W11AZW1R		6/24/2013	3.2	2.3	**55**	0.005 U	**0.75**	**12**	10 U	0.5 U	1.0 U	0.5 U	1.0	4.9	0.5 U	1.0 U	3.2	4 U	**5.1**	0.5 U	0.5 U	**55**	1.0 U	3.0	48
			10/23/2013	0.56	0.5 U	1.0	0.005 U	0.5 U	**7.2**	10 U	0.5 U	1.0 U	0.5 U	0.57	0.5 U	0.5 U	1.0 U	1.9 U	1.3 J	0.76	0.5 U	0.5 U	2.2	1.0 U	5.3	55
ALR MW-8	W11AZW08		6/24/2013	1.3	0.5 U	**9.8**	0.005 U	0.5 U	0.49	10 U	0.5 U	1.0 U	0.5 U	0.71	0.5 U	0.5 U	1.0 U	0.77 J	1.9 J	1.7	0.5 U	0.5 U	**7.6**	1.0 U	9.0	60
			10/23/2013	2.8	1.7	**52**	0.005 U	**0.97**	0.97 U	10 U	0.5 U	1.0 U	0.5 U	1.1	2.4	0.5 U	1.0 U	1.9 U	2.7 J	**5.2**	0.5 U	0.5 U	**58**	1.0 U	**15**	66
ALR MW-9	W11AZW09		6/24/2013	0.5 U	0.5 U	0.98	0.049	0.5 U	**1.1**	10 U	0.5 U	1.0 U	0.5 U	4.5	**5.1**	0.5 U	1.0 U	**440**	5.1	**150**	0.5 U	0.5 U	**26**	1.0 U	2.7	34
			10/24/2013	0.5 U	0.5 U	2.9	0.010	0.5 U	0.95 U	10 U	0.5 U	1.0 U	0.5 U	3.8	1.8	0.5 U	1.0 U	1100 H	**12**	**49**	0.5 U	0.5 U	**7.8**	1.0 U	3.1	35
			10/24/2013	0.5 U	0.5 U	3.2	0.009	0.5 U	0.61 J	10 U	0.5 U	1.0 U	0.5 U	3.7	2.0	0.5 U	1.0 U	1100 H	**12**	**48**	0.5 U	0.5 U	**8.3**	1.0 U	3.1	36
LACO KEY	Z1000006		5/22/2013	1 U	1.7	**12**	--	0.5 U	**12**	3.7 J	1 U	1 U	0.5 U	1.8	4.1	1 U	1 U	0.71 J	**21**	**18**	1 U	1 U	**27**	1 U	**12**	51
Monitoring Well Cluster																										
MW 5-28D	BPW528D		2/20/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	0.65	25
			2/20/2013	1 U	1 U	1 U	--	0.5 U	--	6.0	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	--	--	--
			5/24/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5.0 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	0.61	25
			8/12/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	0.98 U	25
			11/13/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	0.64	26
			11/13/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2.3 U	2 U	1 U	1 U	1 U	1 U	--	0.63	26
MW 5-28I	BPW528I		2/20/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	3.5	1 U	1 U	1 U	1 U	--	2.3	23
			5/24/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5.0 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	3.1	1 U	1 U	1 U	1 U	--	2.3	23
			5/24/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5.0 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	3.1	1 U	1 U	1 U	1 U	--	2.3	23
			8/12/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	25	3.0	1 U	1 U	1 U	1 U	--	2.9 U	23
			11/13/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	6.9 U	1.9 J	1 U	1 U	1 U	1 U	--	2.4	24
			2/20/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	11	2 U	2 U	1 U	1 U	1 U	1 U	--	0.035 J	0.5 U
MW 5-28S	BPW528S		2/20/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	**10**	1 U	1 U	1 U	1 U	--	8.9	28
			2/20/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	**8.4**	1 U	1 U	1 U	1 U	--	8.9	28
			5/24/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5.0 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	**10**	1 U	1 U	1 U	1 U	--	9.0	28
			8/12/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	**10**	1 U	1 U	1 U	1 U	--	**10**	28
			8/12/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1.0 J	**11**	1 U	1 U	1 U	1 U	--	0.113 U	28
			11/13/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	**9.4**	1 U	1 U	1 U	1 U	--	9.4	29

TABLE 5-3
2013 GROUNDWATER QUALITY MONITORING RESULTS
Baldwin Park Operable Unit
San Gabriel Valley, California

Well Name	Site ID	Port [a]	Sample Date	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	1,2,3-Trichloropropane (ng/L)	1,2-Dichloroethane (µg/L)	1,4-Dioxane (µg/L)	Acetone (µg/L)	Benzene (µg/L)	Carbon Disulfide (µg/L)	Carbon Tetrachloride (µg/L)	Chloroform (µg/L)	cis-1,2-Dichloroethene (µg/L)	Ethylbenzene (µg/L)	Methylene Chloride (µg/L)	NDMA (ng/L)	Perchlorate (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	trans-1,2-Dichloroethene (µg/L)	Trichloroethene (µg/L)	Xylenes, Total [b] (µg/L)	Nitrate as N [c] (mg/L)	Sulfate (mg/L)
Federal or California State MCL (NL) [SMCL] [d]				**200**	**5**	**6**	**5**	**0.5**	**(1)**	**--**	**1**	**160**	**0.5**	**80**	**6**	**300**	**5**	**(10)**	**6**	**5**	**150**	**10**	**5**	**1750**	**10**	**[250]**
Production Wells																										
CC E DURBIN	01902920		5/24/2013	1 U	1 U	3.9	--	0.5 U	--	5.0 U	1 U	1 U	0.5 U	1.5	2.4	1 U	1 U	0.96 J	2.3	**36**	1 U	1 U	**22**	--	3.3	32
CDWC 3	01903057		1/2/2013	--	--	--	--	0.5 U	--	--	--	--	**1.2**	--	--	--	--	--	--	**18**	--	--	**23**	--	4.3	--
			1/2/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**12**	--	--	--	--	--	--	--	--
			1/2/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**10**	--	--	--	--	--	--	--
			2/4/2013	--	--	--	--	0.5 U	--	--	--	--	**1.5**	--	--	--	--	--	--	**20**	--	--	**30**	--	4.3	--
			2/4/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**9.0**	--	--	--	--	--	--	--
			2/4/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**12**	--	--	--	--	--	--	--	--
			3/4/2013	--	--	--	--	0.5 U	--	--	--	--	**1.8**	--	--	--	--	--	--	**28**	--	--	**32**	--	4.3	--
			3/4/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**9.6**	--	--	--	--	--	--	--
			3/7/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**17**	--	--	--	--	--	--	--	--
			4/1/2013	0.50 U	0.50 U	4.5	--	0.5 U	--	--	0.50 U	--	**1.9**	1.0 U	3.3	0.50 U	0.50 U	--	**9.6**	**22**	0.50 U	0.50 U	**30**	0.50 U	5.0	36
			4/1/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**15**	**10**	--	--	--	--	--	--	--
			5/6/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**15**	**11**	--	--	--	--	--	--	--
			5/15/2013	--	--	--	--	0.5 U	--	--	--	--	**1.5**	--	--	--	--	--	--	**23**	--	--	**30**	--	5.0	--
			5/21/2013	1 U	1 U	4.8	--	0.5 U	--	5 U	1 U	1 U	**2.0**	0.68 J	2.2	1 U	1 U	**19**	**10**	**23**	1 U	1 U	**38**	--	5.0	38
			6/3/2013	--	--	--	--	0.5 U	--	--	--	--	**1.9**	--	--	--	--	--	--	**26**	--	--	**36**	--	--	--
			6/3/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**13**	**11**	--	--	--	--	--	--	--
			7/1/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**19**	**11**	--	--	--	--	--	--	--
			8/5/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**19**	**10**	--	--	--	--	--	--	--
			9/3/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**16**	**12**	--	--	--	--	--	--	--
			10/7/2013	0.50 U	0.50 U	0.50 U	--	0.50 U	--	--	0.50 U	--	**2.1**	1.0 U	3.6	0.50 U	0.50 U	**17**	**13**	**33**	--	**0.50 U**	**39**	0.50 U	5.0	37
			11/4/2013	--	--	0.50 U	--	0.50 U	--	--	--	--	**1.8**	--	--	--	--	**15**	**11**	**24**	--	--	**37**	--	5.0	--
			12/2/2013	--	--	--	--	0.50 U	--	--	--	--	**1.9**	--	--	--	--	**13**	**10**	**26**	--	--	**34**	--	5.0	--
CDWC 14	08000174		1/23/2013	--	--	--	--	0.5 U	--	--	--	--	0.50 U	--	--	--	--	--	--	**5.3**	--	--	**6.8**	--	**12.7**	--
			1/23/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	--	--	--	--	--	--	--	--
			1/23/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**13**	--	--	--	--	--	--	--
			2/4/2013	--	--	--	--	0.5 U	--	--	--	--	**0.50 U**	--	--	--	--	--	--	**5.4**	--	--	**5.9**	--	**12.2**	--
			2/4/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**10**	--	--	--	--	--	--	--
			2/4/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	--	--	--	--	--	--	--	--
			3/4/2013	--	--	--	--	0.5 U	--	--	--	--	0.50 U	--	--	--	--	--	--	**5.5**	--	--	**6.5**	--	**13.1**	--
			3/4/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**12**	--	--	--	--	--	--	--
			4/1/2013	0.50 U	0.50 U	0.66	--	0.5 U	--	--	0.50 U	--	0.50 U	1.0 U	0.58	0.50 U	0.50 U	--	**12**	4.6	0.50 U	0.50 U	**5.3**	0.50 U	**13.8**	54
			4/1/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**12**	--	--	--	--	--	--	--
			5/6/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**15**	--	--	--	--	--	--	--
			5/8/2013	--	--	--	--	0.5 U	--	--	--	--	0.50 U	--	--	--	--	--	--	**6.6**	--	--	**6.6**	--	**16.5**	--
			5/21/2013	1 U	1 U	1.0	--	0.5 U	--	1.7 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.80 J	**12**	**5.7**	1 U	1 U	**6.9**	--	**16**	58
			6/3/2013	--	--	--	--	0.5 U	--	--	--	--	0.50 U	--	--	--	--	--	--	**6.5**	--	--	**7.5**	--	**16.3**	--
			6/3/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**15**	--	--	--	--	--	--	--
			7/1/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**13**	--	--	--	--	--	--	--
			8/5/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.6	**11**	--	--	--	--	--	--	--
			9/3/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**11**	--	--	--	--	--	--	--
			10/7/2013	0.50 U	0.50 U	1.1	--	0.50 U	--	--	0.50 U	--	0.50 U	1.0 U	0.64	0.50 U	0.50 U	2.3	**8.8**	0.50 U	0.50 U	0.50 U	**7.6**	0.50 U	9.5	47
			11/4/2013	--	--	--	--	0.50 U	--	--	--	--	0.50 U	--	--	--	--	3.7	**17**	--	--	--	**9.1**	--	**16.0**	--
			12/2/2013	--	--	--	--	0.50 U	--	--	--	--	0.50 U	--	--	--	--	--	**17**	--	--	--	**6.8**	--	**17.6**	--
CIC BALDWIN 1	01900885		5/21/2013	1 U	1 U	1 U	--	0.5 U	--	1.1 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	1.7	27
			5/21/2013	1 U	1 U	1 U	--	0.5 U	--	1.4 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	1.8	27
LACO SANTA FE	08000070		5/21/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	1.4 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.52 J	2 U	1 U	1 U	1 U	1 U	--	0.99	29
			5/21/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	1.1 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	1.0	29
SGVWC B6D	78000098		2/25/2013	0.50 U	0.82	0.50 U	0.50 U	**1.2**	**1.1**	--	0.50 U	--	**1.8**	1.6	1.4	0.50 U	0.50 U	**49**	**30**	3.9	0.50 U	0.50 U	**37**	0.50 U	4.5	35
			3/4/2013	0.50 U	0.95	0.50 U	0.50 U	**1.3**	--	--	0.50 U	--	**1.8**	1.3	1.6	0.50 U	0.50 U	1000 UJ	--	4.6	0.50 U	0.50 U	**44**	0.50 U	--	--
			5/16/2013	0.50 U	1.0	0.61	0.50 U	**1.7**	**1.5**	--	0.50 U	--	**2.0**	1.8	2.1	0.50 U	0.50 U	**93**	**51**	**5.2**	0.50 U	0.50 U	**50**	0.50 U	5.4	38
			5/21/2013	1 U	0.92 J	0.46 J	--	**1.8**	**1.5**	1.4 J	1 U	1 U	**2.0**	2.1	1.4	1 U	1 U	**100**	**49**	4.9	1 U	1 U	**61**	--	5.7	40
			8/22/2013	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	**1.4**	--	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	**99**	**54**	0.52 J	0.50 U	0.50 U	3.3 J	0.50 U	5.4	42
SWS 139W2	01901599	285	5/23/2013	1 U	1 U	1 U	--	0.5 U	--	5.0 U	1 U	1 U	0.5 U	0.55 J	1 U	1 U	1 U	2 U	**25**	1 U	1 U	1 U	1 U	--	**22**	82
		285	5/23/2013	1 U	1 U	1 U	--	0.5 U	--	5.0 U	1 U	1 U	0.5 U	0.58 J	1 U	1 U	1 U	2.9	**26**	1 U	1 U	1 U	1 U	--	**20**	74
		370	5/23/2013	1 U	1 U	1 U	--	0.5 U	--	5.0 U	1 U	1 U	0.5 U	0.52 J	1 U	1 U	1 U	2 U	**25**	1 U	1 U	1 U	1 U	--	**22**	81
SWS 139W6	08000152		5/23/2013	1 U	1 U	1 U	--	0.5 U	--	5.0 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	**7.8**	1 U	1 U	1 U	1 U	--	8.3	57
			5/23/2013	1 U	1 U	1 U	--	0.5 U	--	5.0 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	**7.9**	1 U	1 U	1 U	1 U	--	8.2	57
SWS 140W5	08000145		5/21/2013	1 U	1 U	1 U	--	0.5 U	--	1.1 J	1 U	1 U	0.57	1 U	1 U	1 U	1 U	**15**	**11**	1 U	1 U	1 U	**10**	--	4.1	29
VCWD BIG	01900035	275	5/23/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5.0 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1.7 J	**14**	1 U	1 U	1 U	1 U	--	**18**	67
		275	5/23/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5.0 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1.6 J	**12**	1 U	1 U	1 U	1 U	--	**18**	68
		410	5/23/2013	1 U	1 U	1 U	--	0.5 U	0.5 U	5.0 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.96 J	**11**	1 U	1 U	1 U	1 U	--	**15**	62
VCWD E MAINE	01900027		5/21/2013	1 U	1 U	1 U	--	0.5 U	--	1.3 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	1.6	23
			5/21/2013	1 U	1 U	1 U	--	0.5 U	--	0.88 J	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	1.6	24
VCWD MORADA	01900029		5/22/2013	1 U	1 U	1 U	--	0.5 U	0.14 J	5 U	1 U	1 U	0.5 U	2.4	1 U	1 U	1 U	2 U	**6.1**	0.97 J	1 U	1 U	0.47 J	--	**17**	59
			5/22/2013	1 U	1 U	1 U	--	0.5 U	0.14 J	2.6 J	1 U	1 U	0.5 U	2.5	1 U	1 U	1 U	2 U	**6.1**	1.1	1 U	1 U	0.49 J	--	**19**	68
VCWD PADDY LN	01900031		5/22/2013	1 U	1 U	1.0	--	**1.8**	**2.1**	0.83 J	1 U	1 U	**0.69**	1.6	1.4	1 U	1 U	**130**	**44**	2.3	1 U	1 U	**23**	--	**11**	46
			5/22/2013	1 U	1 U	0.77 J	--	**1.8**	**1.7**	1.1 J	1 U	1 U	0.48 J	1.2	0.82 J	1 U	1 U	**140**	**36**	1.5	1 U	1 U	**14**	--	**10**	46
VCWD W MAINE	01900028		5/23/2013	1 U	1 U	1 U	--	0.5 U	--	5.0 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	0.95 J	1 U	1 U	0.47 J	--	2.1	24
			5/23/2013	1 U	1 U	1 U	--	0.5 U	--	5.0 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	2 U	2 U	1.0	1 U	1 U	0.63 J	--	2.0	22

Notes:

a. For inactive production wells, depth (feet) of discrete low-flow sample.
b. Total xylenes calculated as sum of xylene isomers if total xylene results not reported by laboratory.
c. Nitrate samples reported by laboratory as nitrate as NO3 calculated to equivalent nitrate as N when nitrate as N results not reported.
d. Federal or California State Maximum Contaminiant Level (MCL), Notification Level (NL) or Secondary MCL (SMCL).
-- Sample not collected, or sample not analyzed.
U - Analyte not detected at the reported quantitation limit shown in the result.
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ - Analyte not detected at the reported quantitation limit shown in the result; the reported qunatitation limit is estimated.
H - Sample was prepped or analyzed beyond the specified holding time.
NDMA = N-Nitrosodimethylamine
Results in bold indicate MCL, NL, or SMCL exceeded.
f - Data Quality Criteria no met - RPD > 20%

TABLE 5-4
DETECTIONS OF NON-COC ORGANIC COMPOUNDS
Baldwin Park Operable Unit
San Gabriel Valley, California

Well Name	Sample Collection Date	Analytical Method	Analyte Name	Analyte ID	Result	Data Qualifier	Reporting Limit	Detection Limit	Units
COI 5	2/25/13	EPA METHOD 8270C	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	8.3		5.0	2.3	UG/L
COI 5	7/25/13	EPA METHOD 524.2	2-BUTANONE	78-93-3	6.4		5.0	0.72	UG/L
LPVCWD 2	2/25/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	5.5		0.50	0.12	UG/L
LPVCWD 2	4/5/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	4.9		0.50	0.12	UG/L
LPVCWD 2	6/14/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	4.2		0.50	0.12	UG/L
LPVCWD 2	8/23/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	5.0		0.50	0.12	UG/L
LPVCWD 2	10/16/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	3.9		0.50	0.12	UG/L
LPVCWD 2	12/5/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	4.5		0.50	0.12	UG/L
LPVCWD 3	4/5/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.52		0.50	0.12	UG/L
LPVCWD 3	8/23/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.53		0.50	0.12	UG/L
LPVCWD 5	1/8/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.4		0.50	0.12	UG/L
LPVCWD 5	2/11/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.8		0.50	0.12	UG/L
LPVCWD 5	3/4/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.6		0.50	0.12	UG/L
LPVCWD 5	4/8/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.3		0.50	0.12	UG/L
LPVCWD 5	5/6/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.3		0.50	0.12	UG/L
LPVCWD 5	6/3/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.88		0.50	0.12	UG/L
LPVCWD 5	7/8/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.4		0.50	0.12	UG/L
LPVCWD 5	8/13/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.86		0.50	0.12	UG/L
LPVCWD 5	8/22/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.4		0.50	0.12	UG/L
LPVCWD 5	9/10/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.1		0.50	0.12	UG/L
LPVCWD 5	10/7/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.1		0.50	0.12	UG/L
LPVCWD 5	11/12/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.2		0.50	0.12	UG/L
LPVCWD 5	12/9/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.4		0.50	0.12	UG/L
MW5-03 Port 04	12/10/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.3		0.50	0.12	UG/L
MW5-03 Port 05	12/10/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.54		0.50	0.12	UG/L
MW5-03 Port 06	12/10/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	2.7		0.50	0.12	UG/L
MW5-03 Port 07	12/10/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.2		0.50	0.12	UG/L
MW5-03 Port 09	12/11/13	EPA METHOD 521	N-NITROSODIETHYLAMINE	55-18-5	0.0044		0.0020	0.00072	UG/L
MW5-03 Port 09	12/11/13	EPA METHOD 521	N-NITROSOMORPHOLINE	59-89-2	0.0020		0.0020	0.00047	UG/L
MW5-11 Port 01	12/11/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.90		0.50	0.12	UG/L
MW5-11 Port 01	12/11/13	EPA METHOD 8270C	PENTACHLOROPHENOL	87-86-5	1.2		1.0	0.19	UG/L
MW5-11 Port 02	12/12/13	EPA METHOD 524.2	BROMODICHLOROMETHANE	75-27-4	1.6		0.50	0.090	UG/L
MW5-11 Port 03	12/12/13	EPA METHOD 521	N-NITROSOMORPHOLINE	59-89-2	0.047		0.0020	0.00047	UG/L
MW5-11 Port 03	12/12/13	EPA METHOD 525.2	SIMAZINE	122-34-9	0.12		0.10	0.015	UG/L

TABLE 5-4
DETECTIONS OF NON-COC ORGANIC COMPOUNDS
Baldwin Park Operable Unit
San Gabriel Valley, California

Well Name	Sample Collection Date	Analytical Method	Analyte Name	Analyte ID	Result	Data Qualifier	Reporting Limit	Detection Limit	Units
MW5-13 Port 02	12/13/13	EPA METHOD 524.2	BROMODICHLOROMETHANE	75-27-4	0.61		0.50	0.090	UG/L
MW5-13 Port 03	12/16/13	EPA METHOD 521	N-NITROSOMORPHOLINE	59-89-2	0.010		0.0020	0.00047	UG/L
MW5-17 Port 03	12/13/13	EPA METHOD 525.2	ATRAZINE	1912-24-9	0.10		0.10	0.034	UG/L
MW5-18 Port 01	12/11/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	8.0		0.50	0.12	UG/L
MW5-18 Port 02	12/11/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	5.8		0.50	0.12	UG/L
MW5-18 Port 02	12/11/13	EPA METHOD 521	N-NITROSODIETHYLAMINE	55-18-5	0.0025		0.0020	0.00072	UG/L
MW5-18 Port 03	12/11/13	EPA METHOD 524.2	BROMODICHLOROMETHANE	75-27-4	1.2		0.50	0.090	UG/L
MW5-18 Port 03	12/11/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	3.8		0.50	0.12	UG/L
MW5-22 Port 03	6/20/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.80		0.50	0.12	UG/L
MW5-22 Port 04	6/19/13	EPA METHOD 8270C	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	9.6		5.0	2.3	UG/L
MW5-22 Port 05	6/19/13	EPA METHOD 8270C	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	6.2		5.0	2.3	UG/L
SGVWC B25A	1/23/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.5		0.50	0.12	UG/L
SGVWC B25A	2/21/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.3		0.50	0.12	UG/L
SGVWC B25A	3/4/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.7		0.50	0.12	UG/L
SGVWC B25A	3/4/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.5		0.50	0.12	UG/L
SGVWC B25B	1/23/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.2		0.50	0.12	UG/L
SGVWC B25B	2/21/13	EPA METHOD 524.2	BROMOFORM	75-25-2	0.60		0.50	0.19	UG/L
SGVWC B25B	2/21/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.97		0.50	0.12	UG/L
SGVWC B25B	3/4/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.3		0.50	0.12	UG/L
SGVWC B25B	3/4/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.98		0.50	0.12	UG/L
SGVWC B26A	1/4/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.8		0.50	0.12	UG/L
SGVWC B26A	2/5/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.1		0.50	0.12	UG/L
SGVWC B26A	3/4/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.6		0.50	0.12	UG/L
SGVWC B26A	3/4/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.6		0.50	0.12	UG/L
SGVWC B26B	1/4/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.5		0.50	0.12	UG/L
SGVWC B26B	2/5/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.0		0.50	0.12	UG/L
SGVWC B26B	3/4/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.6		0.50	0.12	UG/L
SGVWC B26B	3/4/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	1.5		0.50	0.12	UG/L
SGVWC B5B	1/2/13	EPA METHOD 521	N-NITROSOMORPHOLINE	59-89-2	0.0021		0.0020	0.00047	UG/L
SGVWC B5B	3/6/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.12	J	0.50	0.12	UG/L
SGVWC B5B	3/6/13	EPA METHOD 521	N-NITROSOMORPHOLINE	59-89-2	0.0029		0.0020	0.00047	UG/L
SGVWC B5B	4/2/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.12	J	0.50	0.12	UG/L
SGVWC B5B	5/14/13	EPA METHOD 521	N-NITROSOMORPHOLINE	59-89-2	0.0025		0.0020	0.00047	UG/L
SGVWC B5B	7/2/13	EPA METHOD 521	N-NITROSOMORPHOLINE	59-89-2	0.0020		0.0020	0.00047	UG/L

TABLE 5-4
DETECTIONS OF NON-COC ORGANIC COMPOUNDS
Baldwin Park Operable Unit
San Gabriel Valley, California

Well Name	Sample Collection Date	Analytical Method	Analyte Name	Analyte ID	Result	Data Qualifier	Reporting Limit	Detection Limit	Units
SGVWC B5B	8/7/13	EPA METHOD 521	N-NITROSOMORPHOLINE	59-89-2	0.0020		0.0020	0.00047	UG/L
SGVWC B5B	9/4/13	EPA METHOD 521	N-NITROSOMORPHOLINE	59-89-2	0.0022		0.0020	0.00047	UG/L
SGVWC B5B	10/2/13	EPA METHOD 521	N-NITROSOMORPHOLINE	59-89-2	0.0020		0.0020	0.00047	UG/L
SGVWC B5B	11/5/13	EPA METHOD 521	N-NITROSOMORPHOLINE	59-89-2	0.0020		0.0020	0.00047	UG/L
SGVWC B5E	1/2/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.30	J	0.50	0.12	UG/L
SGVWC B5E	1/2/13	EPA METHOD 521	N-NITROSOMORPHOLINE	59-89-2	0.0024		0.0020	0.00047	UG/L
SGVWC B5E	2/4/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.32	J	0.50	0.12	UG/L
SGVWC B5E	3/6/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.33	J	0.50	0.12	UG/L
SGVWC B5E	4/2/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.39	J	0.50	0.12	UG/L
SGVWC B5E	4/2/13	EPA METHOD 521	N-NITROSOMORPHOLINE	59-89-2	0.0021		0.0020	0.00047	UG/L
SGVWC B5E	5/14/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.36	J	0.50	0.12	UG/L
SGVWC B5E	5/14/13	EPA METHOD 521	N-NITROSOMORPHOLINE	59-89-2	0.0020		0.0020	0.00047	UG/L
SGVWC B5E	6/4/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.31	J	0.50	0.12	UG/L
SGVWC B5E	6/4/13	EPA METHOD 521	N-NITROSOMORPHOLINE	59-89-2	0.0021		0.0020	0.00047	UG/L
SGVWC B5E	7/2/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.26	J	0.50	0.12	UG/L
SGVWC B5E	8/7/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.33	J	0.50	0.12	UG/L
SGVWC B5E	8/7/13	EPA METHOD 521	N-NITROSOMORPHOLINE	59-89-2	0.0021		0.0020	0.00047	UG/L
SGVWC B5E	9/4/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.28	J	0.50	0.12	UG/L
SGVWC B5E	9/4/13	EPA METHOD 521	N-NITROSOMORPHOLINE	59-89-2	0.0021		0.0020	0.00047	UG/L
SGVWC B5E	10/2/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.35	J	0.50	0.12	UG/L
SGVWC B5E	11/5/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.35	J	0.50	0.12	UG/L
SGVWC B5E	12/2/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.35	J	0.50	0.12	UG/L
SGVWC B6C	8/22/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	7.5		0.50	0.12	UG/L
SGVWC B6D	2/25/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	3.6		0.50	0.12	UG/L
SGVWC B6D	3/4/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	4.2		0.50	0.12	UG/L
SGVWC B6D	5/16/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	5.3		0.50	0.12	UG/L
VCWD SA1-1	1/16/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.87		0.50	0.12	UG/L
VCWD SA1-1	1/16/13	EPA METHOD 524.2	TRICHLOROFLUOROMETHANE	75-69-4	3.1		0.50	0.18	UG/L
VCWD SA1-1	2/26/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.77		0.50	0.12	UG/L
VCWD SA1-1	2/26/13	EPA METHOD 524.2	TRICHLOROFLUOROMETHANE	75-69-4	2.4		0.50	0.18	UG/L
VCWD SA1-1	3/13/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.98		0.50	0.12	UG/L
VCWD SA1-1	3/13/13	EPA METHOD 524.2	TRICHLOROFLUOROMETHANE	75-69-4	3.2		0.50	0.18	UG/L
VCWD SA1-1	4/24/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.92		0.50	0.12	UG/L
VCWD SA1-1	4/24/13	EPA METHOD 524.2	TRICHLOROFLUOROMETHANE	75-69-4	2.6		0.50	0.18	UG/L

TABLE 5-4
DETECTIONS OF NON-COC ORGANIC COMPOUNDS
Baldwin Park Operable Unit
San Gabriel Valley, California

Well Name	Sample Collection Date	Analytical Method	Analyte Name	Analyte ID	Result	Data Qualifier	Reporting Limit	Detection Limit	Units
VCWD SA1-1	5/22/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.55	J	0.50	0.12	UG/L
VCWD SA1-1	5/22/13	EPA METHOD 524.2	TRICHLOROFLUOROMETHANE	75-69-4	1.5	J	0.50	0.18	UG/L
VCWD SA1-3 - Lante	1/16/13	EPA METHOD 524.2	TRICHLOROFLUOROMETHANE	75-69-4	0.68		0.50	0.18	UG/L
VCWD SA1-3 - Lante	2/26/13	EPA METHOD 524.2	TRICHLOROFLUOROMETHANE	75-69-4	0.59		0.50	0.18	UG/L
VCWD SA1-3 - Lante	3/13/13	EPA METHOD 524.2	TRICHLOROFLUOROMETHANE	75-69-4	0.75		0.50	0.18	UG/L
VCWD SA1-3 - Lante	4/24/13	EPA METHOD 524.2	TRICHLOROFLUOROMETHANE	75-69-4	0.77		0.50	0.18	UG/L
VCWD SA1-3 - Lante	5/22/13	EPA METHOD 524.2	TRICHLOROFLUOROMETHANE	75-69-4	0.53	J	0.50	0.18	UG/L
VCWD SA1-3 - Lante	6/18/13	EPA METHOD 524.2	TRICHLOROFLUOROMETHANE	75-69-4	0.97		0.50	0.18	UG/L
VCWD SA1-3 - Lante	7/18/13	EPA METHOD 524.2	TRICHLOROFLUOROMETHANE	75-69-4	1.0		0.50	0.18	UG/L
VCWD SA1-3 - Lante	8/22/13	EPA METHOD 524.2	TRICHLOROFLUOROMETHANE	75-69-4	1.3		0.50	0.18	UG/L
VCWD SA1-3 - Lante	12/5/13	EPA METHOD 524.2	Dichlorodifluoromethane (Freon 12)	75-71-8	0.75		0.50	0.12	UG/L
VCWD SA1-3 - Lante	12/5/13	EPA METHOD 524.2	TRICHLOROFLUOROMETHANE	75-69-4	2.8		0.50	0.18	UG/L

Notes:
J - The analyte was positively identified at a concentration below the established laboratory reporting limit; the reported concentration should be considered as an estimate of the concentration in the sample.
UG/L - micrograms per liter

TABLE 5-5
DETECTIONS OF TENTATIVELY IDENTIFIED COMPOUNDS
Baldwin Park Operable Unit
San Gabriel Valley, California

Well Name	Sample Collection Date	Analytical Method	Analyte Name	Analyte ID	Result	Units
COI 5	2/25/2013	EPA METHOD 8270C	Cyclopentasiloxane, decamethyl-	287-92-3	3.9	UG/L
COI 5	7/25/2013	EPA METHOD 8270C	Tentatively Identified Compounds	TIC-ND	0.0	UG/L
COI 5	7/25/2013	EPA METHOD 524.2	Tentatively Identified Compounds	TIC-ND	0.0	UG/L
MW5-03 Port 01	12/9/2013	EPA METHOD 8270C	N-butyl-benzenesulfonamide	TIC-00000124	3.3	UG/L
MW5-03 Port 01	12/9/2013	EPA METHOD 8270C	unknown #1	TIC-00000132	2.1	UG/L
MW5-03 Port 02	12/9/2013	EPA METHOD 8270C	Unknown #3 (possible column bleeding)	TIC-00000114	4.6	UG/L
MW5-03 Port 02	12/9/2013	EPA METHOD 8270C	unknown #8 (possible column bleeding)	TIC-00000119	4.4	UG/L
MW5-03 Port 02	12/9/2013	EPA METHOD 8270C	Unknown #5 (possible column bleeding)	TIC-00000116	2.9	UG/L
MW5-03 Port 02	12/9/2013	EPA METHOD 8270C	unknown #9 (possible column bleeding)	TIC-00000120	5.6	UG/L
MW5-03 Port 02	12/9/2013	EPA METHOD 524.2	Cyclotrisiloxane, hexamethyl-	TIC	0.66	UG/L
MW5-03 Port 02	12/9/2013	EPA METHOD 8270C	Benzenesulfonamide, N-butyl-	TIC-00000124	7.4	UG/L
MW5-03 Port 02	12/9/2013	EPA METHOD 8270C	Unknown #7	TIC-00000108	20	UG/L
MW5-03 Port 02	12/9/2013	EPA METHOD 8270C	Unknown #6 (possible column bleeding)	TIC-00000117	3.0	UG/L
MW5-03 Port 02	12/9/2013	EPA METHOD 8270C	Unknown #11	TIC-00000141	2.2	UG/L
MW5-03 Port 02	12/9/2013	EPA METHOD 8270C	Unknown #14 (possible column bleeding)	TIC-00000232	10	UG/L
MW5-03 Port 02	12/9/2013	EPA METHOD 8270C	Unknown #13 (possible column bleeding)	TIC-00000143	11	UG/L
MW5-03 Port 02	12/9/2013	EPA METHOD 8270C	Unknown #4 (possible column bleeding)	TIC-00000115	3.3	UG/L
MW5-03 Port 02	12/9/2013	EPA METHOD 8270C	Unknown #15 (possible column bleeding)	TIC-00000221	7.0	UG/L
MW5-03 Port 02	12/9/2013	EPA METHOD 8270C	unknown #12 (possible column bleeding)	TIC-00000227	9.0	UG/L
MW5-03 Port 02	12/9/2013	EPA METHOD 8270C	Unknown #1 (possible column bleeding)	TIC-00000111	5.3	UG/L
MW5-03 Port 02	12/9/2013	EPA METHOD 8270C	unknown #2	TIC-00000123	3.7	UG/L
MW5-03 Port 02	12/9/2013	EPA METHOD 8270C	Unknown #16 (possible column bleeding)	TIC-00000236	4.0	UG/L
MW5-03 Port 02	12/9/2013	EPA METHOD 8270C	unknown #10 (possible column bleeding)	TIC-00000112	7.3	UG/L
MW5-03 Port 02	12/9/2013	EPA METHOD 524.2	Sulfur Dioxide	7446-09-5	1.3	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	unknown #11 (possible column bleeding)	TIC-00000226	8.4	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	unknown #19 (possible column bleeding)	TIC-00000253	10	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	Unknown #16 (Possible column bleeding)	TIC-00000236	5.6	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	unknown #27 (Possible column bleeding)	TIC-00000261	3.5	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	unknown #20 (possible column bleeding)	TIC-00000254	13	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	Unknown #7 (possible alkane)	TIC-00000160	38	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	unknown #18 (possible column bleeding)	TIC-00000252	7.9	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	unknown #2	TIC-00000123	3.0	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	unknown #24 (Possible column bleeding)	TIC-00000258	14	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	Unknown #4	TIC-00000122	2.2	UG/L

TABLE 5-5
DETECTIONS OF TENTATIVELY IDENTIFIED COMPOUNDS
Baldwin Park Operable Unit
San Gabriel Valley, California

Well Name	Sample Collection Date	Analytical Method	Analyte Name	Analyte ID	Result	Units
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	2-Fluoro-6-nitrophenol	TIC-00000262	3.4	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	Unknown #22 (Possible column bleeding)	TIC-00000256	15	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	Unknown #21(possible column bleeding)	TIC-00000255	3.7	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	unknown #10 (possible column bleeding)	TIC-00000112	2.3	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	unknown #1	TIC-00000132	17	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	Unknown #3	TIC-00000121	10	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	unknown #26 (Possible column bleeding)	TIC-00000260	7.3	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	unknown #15 (possible column bleeding)	TIC-00000221	6.8	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	Unknown #5	TIC-00000137	2.1	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	unknown #25 (Possible column bleeding)	TIC-00000259	12	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	N-butyl-benzenesulfonamide	TIC-00000124	9.5	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 524.2	Unknown 1	TIC-00000035	0.51	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	unknown #9	TIC-00000145	5.5	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	unknown #6	TIC-00000148	26	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	unknown #8 (possible alkane)	TIC-00000182	6.4	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	Unknown #12	TIC-00000142	3.0	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	Unknown #14 (possible column bleeding)	TIC-00000232	6.0	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	unknown #13 (possible column bleeding)	TIC-00000143	7.3	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	Unknown #23 (Possible column bleeding)	TIC-00000257	19	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	2-Fluoro-4-nitrophenol	TIC-00000263	3.5	UG/L
MW5-03 Port 04	12/10/2013	EPA METHOD 8270C	Unknown #17	TIC-00000237	19	UG/L
MW5-03 Port 05	12/10/2013	EPA METHOD 8270C	unknown #3	TIC-00000121	2.1	UG/L
MW5-03 Port 05	12/10/2013	EPA METHOD 8270C	N-butyl-benzenesulfonamide	TIC-00000124	4.4	UG/L
MW5-03 Port 05	12/10/2013	EPA METHOD 8270C	unknown #2	TIC-00000123	4.6	UG/L
MW5-03 Port 05	12/10/2013	EPA METHOD 8270C	unknown #1	TIC-00000132	8.2	UG/L
MW5-03 Port 06	12/10/2013	EPA METHOD 8270C	N-butyl-benzenesulfonamide	TIC-00000124	2.2	UG/L
MW5-03 Port 06	12/10/2013	EPA METHOD 8270C	unknown #1	TIC-00000132	7.7	UG/L
MW5-03 Port 07	12/10/2013	EPA METHOD 8270C	unknown #1	TIC-00000132	2.2	UG/L
MW5-03 Port 07	12/10/2013	EPA METHOD 8270C	TETRACHLOROETHENE	127-18-4	3.1	UG/L
MW5-03 Port 08	12/10/2013	EPA METHOD 8270C	unknown #1	TIC-00000132	6.8	UG/L
MW5-03 Port 09	12/11/2013	EPA METHOD 8270C	d-Limonene	5989-27-5	4.9	UG/L
MW5-03 Port 09	12/11/2013	EPA METHOD 8270C	Undecane	1120-21-4	2.6	UG/L
MW5-03 Port 09	12/11/2013	EPA METHOD 8270C	unknown #2	TIC-00000123	2.7	UG/L
MW5-03 Port 09	12/11/2013	EPA METHOD 8270C	unknown #1	TIC-00000132	7.0	UG/L

TABLE 5-5
DETECTIONS OF TENTATIVELY IDENTIFIED COMPOUNDS
Baldwin Park Operable Unit
San Gabriel Valley, California

Well Name	Sample Collection Date	Analytical Method	Analyte Name	Analyte ID	Result	Units
MW5-11 Port 01	12/11/2013	EPA METHOD 8270C	TETRACHLOROETHENE	127-18-4	4.2	UG/L
MW5-11 Port 02	12/12/2013	EPA METHOD 8270C	unknown #1	TIC-00000132	2.1	UG/L
MW5-11 Port 02	12/12/2013	EPA METHOD 8270C	TETRACHLOROETHENE	127-18-4	15	UG/L
MW5-11 Port 03	12/12/2013	EPA METHOD 8270C	TETRACHLOROETHENE	127-18-4	3.6	UG/L
MW5-13 Port 02	12/13/2013	EPA METHOD 8270C	TETRACHLOROETHENE	127-18-4	11	UG/L
MW5-17 Port 01	12/12/2013	EPA METHOD 8270C	N-butyl-benzenesulfonamide	TIC-00000124	3.9	UG/L
MW5-17 Port 02	12/12/2013	EPA METHOD 8270C	TETRACHLOROETHENE	127-18-4	7.4	UG/L
MW5-17 Port 03	12/13/2013	EPA METHOD 8270C	Unknown #3	TIC-00000121	3.9	UG/L
MW5-17 Port 03	12/13/2013	EPA METHOD 8270C	unknown #2 (possible column bleeding)	TIC-00000113	7.4	UG/L
MW5-17 Port 03	12/13/2013	EPA METHOD 8270C	unknown #1	TIC-00000132	8.5	UG/L
MW5-17 Port 03	12/13/2013	EPA METHOD 8270C	TETRACHLOROETHENE	127-18-4	10	UG/L
MW5-18 Port 03	12/11/2013	EPA METHOD 8270C	Unknown #3 (possible column bleeding)	TIC-00000114	3.7	UG/L
MW5-18 Port 03	12/11/2013	EPA METHOD 8270C	unknown #1	TIC-00000132	3.0	UG/L
MW5-18 Port 03	12/11/2013	EPA METHOD 8270C	unknown #2	TIC-00000123	9.9	UG/L
MW5-18 Port 03	12/11/2013	EPA METHOD 8270C	Undecane	1120-21-4	2.3	UG/L
MW5-22 Port 01	6/20/2013	EPA METHOD 8270C	unknown #1	TIC-00000132	2.5	UG/L
MW5-22 Port 03	6/20/2013	EPA METHOD 8270C	TETRACHLOROETHENE	127-18-4	3.8	UG/L
MW5-22 Port 04	6/19/2013	EPA METHOD 8270C	unknown #1	TIC-00000132	2.7	UG/L
MW5-22 Port 05	6/19/2013	EPA METHOD 8270C	unknown #1	TIC-00000132	2.8	UG/L
SGVWC B25A	3/4/2013	EPA METHOD 8270C	Unknown #3 (possible alkane)	TIC-00000180	5.0	UG/L
SGVWC B25A	3/4/2013	EPA METHOD 8270C	TETRACHLOROETHENE	127-18-4	2.8	UG/L
SGVWC B25A	3/4/2013	EPA METHOD 8270C	unknown #2	TIC-00000123	2.6	UG/L
SGVWC B25A	3/4/2013	EPA METHOD 8270C	unknown #1 (possible alcohol)	TIC-00000125	2.5	UG/L
SGVWC B25A	3/4/2013	EPA METHOD 8270C	TRICHLOROETHENE	79-01-6	2.4	UG/L
SGVWC B26A	3/4/2013	EPA METHOD 8270C	unknown #2 (possible Alkene)	TIC-00000209	3.5	UG/L
SGVWC B26A	3/4/2013	EPA METHOD 8270C	Unknown #3 (possible alkane)	TIC-00000180	3.6	UG/L
SGVWC B26A	3/4/2013	EPA METHOD 8270C	Unknown #1 (possible alkane)	TIC-00000152	2.2	UG/L
SGVWC B26A	3/4/2013	EPA METHOD 8270C	TRICHLOROETHENE	79-01-6	6.6	UG/L
SGVWC B26B	3/4/2013	EPA METHOD 8270C	Unknown #3 (possible alkane)	TIC-00000180	3.6	UG/L
SGVWC B26B	3/4/2013	EPA METHOD 8270C	TRICHLOROETHENE	79-01-6	6.8	UG/L
SGVWC B26B	3/4/2013	EPA METHOD 8270C	Unknown #4 (possible Alkane)	TIC-00000193	6.8	UG/L
SGVWC B26B	3/4/2013	EPA METHOD 8270C	Unknown #1 (possible alkane)	TIC-00000152	2.5	UG/L
SGVWC B26B	3/4/2013	EPA METHOD 8270C	Unknown #2 (possible Alcohol)	TIC-00000131	3.3	UG/L
SGVWC B5B	5/16/2013	EPA METHOD 524.2	UNKNOWN 1 (possible ether)	TIC-00000243	1.2	UG/L

TABLE 5-5
DETECTIONS OF TENTATIVELY IDENTIFIED COMPOUNDS
Baldwin Park Operable Unit
San Gabriel Valley, California

Well Name	Sample Collection Date	Analytical Method	Analyte Name	Analyte ID	Result	Units
SGVWC B5B	5/16/2013	EPA METHOD 8270C	Tentatively Identified Compounds	TIC-ND	0	UG/L
SGVWC B5D	5/16/2013	EPA METHOD 8270C	unknown #1	TIC-00000132	2.1	UG/L
SGVWC B5D	5/16/2013	EPA METHOD 524.2	Tentatively Identified Compounds	TIC-ND	0	UG/L
SGVWC B5E	5/16/2013	EPA METHOD 524.2	Unknown 2 (possible methyl silane)	TIC-00000249	1.1	UG/L
SGVWC B5E	5/16/2013	EPA METHOD 8270C	Tentatively Identified Compounds	TIC-ND	0	UG/L
SGVWC B6C	5/16/2013	EPA METHOD 524.2	Unknown 1 (possible ethanol)	TIC-00000248	1.8	UG/L
SGVWC B6C	3/4/2013	EPA METHOD 8270C	Unknown #12	TIC-00000142	2.8	UG/L
SGVWC B6C	3/4/2013	EPA METHOD 8270C	Unknown #11	TIC-00000141	23	UG/L
SGVWC B6C	3/4/2013	EPA METHOD 8270C	Unknown #7 (possible alkane)	TIC-00000160	4.6	UG/L
SGVWC B6C	3/4/2013	EPA METHOD 8270C	unknown #5 (possible Alkane)	TIC-00000225	50	UG/L
SGVWC B6C	3/4/2013	EPA METHOD 8270C	Unknown #2 (possible Alkane)	TIC-00000126	2.7	UG/L
SGVWC B6C	3/4/2013	EPA METHOD 8270C	unknown #4	TIC-00000122	140	UG/L
SGVWC B6C	3/4/2013	EPA METHOD 8270C	unknown #8	TIC-00000161	3.6	UG/L
SGVWC B6C	3/4/2013	EPA METHOD 8270C	unknown #3 (possible alkene)	TIC-00000250	110	UG/L
SGVWC B6C	3/4/2013	EPA METHOD 8270C	Unknown #13	TIC-00000153	14	UG/L
SGVWC B6C	3/4/2013	EPA METHOD 8270C	unknown #9	TIC-00000145	17	UG/L
SGVWC B6C	3/4/2013	EPA METHOD 8270C	unknown #6	TIC-00000148	6.4	UG/L
SGVWC B6C	3/4/2013	EPA METHOD 8270C	Unknown #15	TIC-00000150	2.9	UG/L
SGVWC B6C	3/4/2013	EPA METHOD 8270C	Unknown #14	TIC-00000144	3.0	UG/L
SGVWC B6C	3/4/2013	EPA METHOD 8270C	Unknown #10 (possible alkane)	TIC-00000220	2.2	UG/L
SGVWC B6C	3/4/2013	EPA METHOD 8270C	Tetradecane	629-59-4	2.9	UG/L
SGVWC B6C	3/4/2013	EPA METHOD 8270C	Unknown #1 (possible alkane)	TIC-00000152	9.3	UG/L
SGVWC B6C	3/4/2013	EPA METHOD 8270C	Unknown #16	TIC-00000107	2.2	UG/L
SGVWC B6D	3/4/2013	EPA METHOD 8270C	TRICHLOROETHENE	79-01-6	3.7	UG/L
SGVWC B6D	3/4/2013	EPA METHOD 8270C	unknown #1 (possible alcohol)	TIC-00000125	2.1	UG/L
SGVWC B6D	3/4/2013	EPA METHOD 8270C	Unknown #2 (possible Alkane)	TIC-00000126	2.2	UG/L
SGVWC B6D	3/4/2013	EPA METHOD 8270C	Unknown #3 (possible alkane)	TIC-00000180	4.3	UG/L
SGVWC B6D	3/4/2013	EPA METHOD 8270C	Unknown #5	TIC-00000137	2.1	UG/L
SGVWC B6D	3/4/2013	EPA METHOD 8270C	unknown #4	TIC-00000122	2.6	UG/L
VCWD Big Dalton	3/25/2013	EPA METHOD 8270C	Butylated Hydroxytoluene	128-37-0	6.9	UG/L
VCWD SA1-1	5/22/2013	EPA METHOD 524.2	Unknown #1 (possible amine)	TIC-00000231	1.2	UG/L
VCWD SA1-1	5/22/2013	EPA METHOD 524.2	Trimethylsilyl fluoride	420-56-4	1.0	UG/L
VCWD SA1-3 - Lante	12/5/2013	EPA METHOD 8270C	TETRACHLOROETHENE	127-18-4	15	UG/L
VCWD SA1-3 - Lante	5/22/2013	EPA METHOD 524.2	Unknown #2 (possible methyl silane)	TIC-00000249	1.1	UG/L
VCWD SA1-3 - Lante	5/22/2013	EPA METHOD 524.2	Unknown #1 (possible ether)	TIC-00000264	0.74	UG/L
VCWD SA1-3 - Lante	12/5/2013	EPA METHOD 524.2	Trimethylsilyl fluoride	420-56-4	2.5	UG/L

Notes:
UG/L - micrograms per liter

TABLE 5-6
UPDATED MODEL CALIBRATION STATISTICS SUMMARY
GROUNDWATER FLOW MODEL

Baldwin Park Operable Unit

San Gabriel Valley, California

values in feet

	Calibrated Model through 2005 [a]		Calibrated Model through 2013 [b]	
Statistic	**Basinwide**	**BPOU**	**Basinwide**	**BPOU**
Number of observations	7825	4097	8691	4933
Average residual	-2.94	0.08	0.72	0.51
Average absolute residual	11.49	7.10	8.30	4.13
Minimum residual	-131.51	-40.99	-131.18	-38.24
Maximum residual	127.73	96.90	131.88	66.50
Standard deviation from mean	17.46	9.56	15.90	6.38
Sum of squared residuals	2,453,019	374,019	2,201,450	201,796
Root mean square error (RMSE)	17.71	9.55	15.92	6.40
Observed range	827.90	212.58	827.90	218.21
Standard deviation / observed range	0.0211	0.0450	0.0192	0.0292

Notes:

a. Calibrated model updated through June 30, 2005

b. Calibrated model updated through June 30, 2013

TABLE 5-7
ANNUAL WATER BALANCE
GROUNDWATER FLOW MODEL
Baldwin Park Operable Unit
San Gabriel Valley, California

fluxes in acre-feet/year

	Model Inflows												Model Outflows			Change in Storage
	Boundaries								Recharge				Boundaries			
Water Year[a]	Raymond Fault	Puente	Sawpit Canyon	N. boundary bedrock	San Gabriel Canyon	Dalton Canyon	San Dimas	**Total Boundaries**	Precipitation	Spreading	**Total Recharge**	**Total In**	Whittier Narrows	**Pumping**	**Total Out**	
1982-83	4,422	672	2,135	2,829	2,864	1,045	21,840	**35,807**	105,086	264,301	**369,387**	**405,194**	-32,416	**-127,007**	**-159,422**	**245,772**
1983-84	5,426	818	3,149	3,758	3,512	1,767	24,330	**42,761**	8,781	121,265	**130,046**	**172,807**	-54,664	**-214,417**	**-269,081**	**-96,275**
1984-85	5,769	923	3,077	3,748	4,156	2,060	20,535	**40,267**	31,259	69,253	**100,513**	**140,780**	-36,578	**-220,956**	**-257,534**	**-116,754**
1985-86	6,048	727	3,010	3,748	3,806	1,784	18,848	**37,972**	101,226	131,351	**232,577**	**270,549**	-28,220	**-227,536**	**-255,756**	**14,793**
1986-87	6,153	629	2,897	3,748	3,402	1,929	16,454	**35,213**	51,294	91,165	**142,459**	**177,672**	-24,065	**-235,485**	**-259,550**	**-81,878**
1987-88	6,409	552	2,945	3,758	2,926	1,951	15,476	**34,019**	90,064	101,127	**191,191**	**225,210**	-17,969	**-228,651**	**-246,620**	**-21,410**
1988-89	6,586	556	2,985	3,748	1,701	1,936	16,146	**33,659**	56,964	98,961	**155,925**	**189,584**	-21,231	**-228,716**	**-249,947**	**-60,363**
1989-90	6,883	694	3,075	3,748	2,979	2,213	16,226	**35,817**	39,760	93,033	**132,793**	**168,610**	-22,990	**-234,106**	**-257,096**	**-88,485**
1990-91	7,141	850	3,186	3,748	3,215	2,221	16,786	**37,147**	15,031	123,223	**138,254**	**175,402**	-35,774	**-216,939**	**-252,713**	**-77,311**
1991-92	7,118	922	3,226	3,758	2,201	2,001	20,145	**39,371**	59,389	288,689	**348,078**	**387,449**	-24,765	**-197,855**	**-222,620**	**164,829**
1992-93	6,614	804	2,999	3,748	1,974	1,596	21,197	**38,932**	131,109	292,350	**423,459**	**462,391**	-37,341	**-212,575**	**-249,915**	**212,475**
1993-94	6,207	843	2,656	3,748	1,534	1,820	19,251	**36,058**	9,689	120,590	**130,279**	**166,337**	-37,038	**-220,522**	**-257,560**	**-91,223**
1994-95	6,253	718	2,641	3,748	3,343	1,689	18,586	**36,977**	172,905	217,283	**390,189**	**427,166**	-40,149	**-224,143**	**-264,292**	**162,874**
1995-96	6,009	501	2,451	3,758	535	637	17,189	**31,080**	20,994	132,161	**153,156**	**184,236**	-33,687	**-249,139**	**-282,826**	**-98,591**
1996-97	6,172	616	2,571	3,748	732	555	17,180	**31,575**	65,145	149,968	**215,113**	**246,688**	-20,325	**-255,412**	**-275,736**	**-29,049**
1997-98	6,257	520	2,623	3,748	1,040	875	17,114	**32,177**	114,051	238,234	**352,285**	**384,462**	-20,935	**-232,612**	**-253,547**	**130,915**
1998-99	6,127	537	2,523	3,748	322	610	17,516	**31,382**	20,803	98,469	**119,272**	**150,654**	-21,577	**-239,377**	**-260,955**	**-110,300**
1999-00	6,450	821	2,706	3,758	132	605	17,043	**31,515**	157	126,098	**126,255**	**157,770**	-10,806	**-256,828**	**-267,634**	**-109,863**
2000-01	6,723	1,042	2,912	3,748	445	959	18,071	**33,900**	60	126,968	**127,027**	**160,928**	-4,886	**-253,381**	**-258,267**	**-97,340**
2001-02	6,927	1,111	3,018	3,748	502	1,311	17,952	**34,570**	27,647	141,047	**168,693**	**203,263**	-5,757	**-245,695**	**-251,453**	**-48,190**
2002-03	7,174	1,241	3,092	3,748	271	1,869	17,823	**35,219**	19,338	103,070	**122,407**	**157,627**	1,132	**-232,593**	**-231,462**	**-73,835**
2003-04	7,327	1,332	3,182	3,758	422	1,992	19,056	**37,071**	26,545	156,722	**183,267**	**220,338**	4,047	**-244,641**	**-240,594**	**-20,256**
2004-05	7,249	1,380	3,194	3,748	1,833	1,891	20,481	**39,776**	40,304	402,955	**443,259**	**483,036**	-29,089	**-232,769**	**-261,858**	**221,178**
2005-06	6,696	1,407	2,898	3,748	885	1,337	20,746	**37,717**	46,714	258,738	**305,452**	**343,169**	-30,457	**-239,486**	**-269,943**	**73,227**
2006-07	6,598	1,481	2,944	3,748	212	1,697	19,031	**35,711**	6,648	105,181	**111,828**	**147,539**	-14,499	**-264,073**	**-278,572**	**-131,033**
2007-08	6,960	1,589	3,109	3,758	177	2,317	18,404	**36,314**	12,874	74,724	**87,598**	**123,912**	-7,122	**-246,783**	**-253,905**	**-129,993**
2008-09	7,217	1,574	3,180	3,748	521	2,260	18,509	**37,009**	34,102	111,389	**145,491**	**182,500**	-2,297	**-230,957**	**-233,254**	**-50,755**
2009-10	7,383	1,667	3,330	3,748	679	2,376	17,589	**36,772**	5,261	195,315	**200,576**	**237,348**	-4,230	**-215,475**	**-219,705**	**17,642**
2010-11	7,237	1,747	3,401	3,748	1,228	1,258	16,439	**35,058**	18,915	313,549	**332,464**	**367,521**	-17,632	**-202,773**	**-220,406**	**147,116**
2011-12	6,844	1,708	3,330	3,757	606	1,183	15,163	**32,591**	37,226	158,240	**195,466**	**228,057**	-21,869	**-205,472**	**-227,341**	**716**
2012-13	6,895	1,814	3,299	3,747	69	2,288	14,763	**32,875**	0	77,940	**77,940**	**110,815**	-13,999	**-239,508**	**-253,507**	**-142,692**

Notes:

a. Period from July 1 of the first year through June 30 of the second year.

TABLE 6-1
2013 INFLUENT AND EFFLUENT WATER QUALITY DATA - VALLEY COUNTY WATER DISTRICT LANTE TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

Analyte Name	Ethyl benzene	1,2-Dichloro ethane	Toluene	1,4-Dioxane	Tetra chloro ethene	Perchlorate	Sulfate As SO4	Cis-1,2-Dichloro ethene	Trans-1,2-Dichloro ethene	Carbon Tetra chloride	NDMA	Chloroform	Benzene	1,1,1-Trichloro ethane	Methylene Chloride	1,1-Dichloro ethane	1,1-Dichloro ethene	Tri chloro ethene	Nitrate As NO3	Xylenes (Total)	1,2,3-Trichloro propane
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	MG/L	UG/L	UG/L
Regulatory Limits																					
MCL/NL*/SMCL**	700	0.5	150	1*	5	6	200**	6	10	0.5	0.01*	100	1	200	5	5	6	5	45	1750	0.005*
Design Concentrations - Combined Treatment Plant Influent																					
Maximum	5	5	5	5	50	200	--	5	5	5	0.9	5	5	5	5	5	5	50	--	5	--
Expected Average	0.49	3.37	0.65	2.12	2.58	79.83	--	1.03	0.37	2.86	0.59	1.91	0.26	0.32	0.51	0.48	0.45	26.74	--	0.83	--
SA1-1																					
01/16/2013	<0.50	<0.50	<0.50	0.86	2.6	6.9	54	<0.50	<0.50	<0.50	<0.0020	0.77	<0.50	<0.50	<0.50	<0.50	1.4	1.8	66	<0.50	<0.0050
02/26/2013	<0.50	<0.50	<0.50	0.89	2.3	7.9	28	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	1.6	63	<0.50	<0.0050
03/13/2013	<0.50	<0.50	<0.50	0.82	2.9	7.1	54	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	1.9	74	<0.50	<0.0050
04/24/2013	<0.50	<0.50	<0.50	0.69	2.4	6.7	55	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	1.6	3.1	<0.50	<0.0050
05/22/2013	<0.50	<0.50	<0.50	0.6	1.7 J	7.7	53	<0.50	<0.50	<0.50	0.0096	<0.50	<0.50	<0.50	<0.50	<0.50	0.83 J	1.4 J	68	<0.50	<0.0050
SA1-2																					
SA1-2 WAS OUT OF SERVICE FOR ALL OF 2013																					
SA1-3																					
01/16/2013	<0.50	<0.50	<0.50	2.2	130	9.4	47	4	<0.50	<0.50	0.007	1	<0.50	<0.50	<0.50	<0.50	5.5	48	36	<0.50	0.02
02/26/2013	<0.50	<0.50	<0.50	2.3	120	10	47	3.3	<0.50	<0.50	0.0062	<0.50	<0.50	<0.50	<0.50	<0.50	4.7	50	35	<0.50	0.02
03/13/2013	<0.50	<0.50	<0.50	2.2	170	10	48	3.8	<0.50	<0.50	0.027	<0.50	<0.50	<0.50	<0.50	<0.50	5.2	52	39	<0.50	0.02
04/24/2013	<0.50	<0.50	<0.50	2.1	120	10	48	3.5	<0.50	<0.50	0.0078	0.55	<0.50	<0.50	<0.50	<0.50	5.2	41	40	<0.50	0.018
05/22/2013	<0.50	<0.50	<0.50	1.9	97 J	11	46	2.4 J	<0.50	<0.50	0.0061	<0.50	<0.50	<0.50	<0.50	<0.50	3.2 J	39 J	38	<0.50	0.016
06/18/2013	<0.50	<0.50	<0.50	2.1	65	10	47	3.1	<0.50	<0.50	0.0056	<0.50	<0.50	<0.50	<0.50	<0.50	4.4	35	38	<0.50	0.016
07/18/2013	<0.50	<0.50	<0.50	1.9	88	10	47	2.4	<0.50	<0.50	0.0072	0.82	<0.50	<0.50	<0.50	<0.50	4.1	35	39	<0.50	0.015
08/22/2013	<0.50	<0.50	<0.50	1.7	93	11	49	2.3	<0.50	<0.50	0.027	0.72	<0.50	<0.50	<0.50	<0.50	4.1	33	39	<0.50	0.015
12/05/2013	<0.50	<0.50	<0.50	2.1	60	11	49	1.5	<0.50	<0.50	0.0053	1.3	<0.50	<0.50	<0.50	<0.50	7.3	26	31	<0.50	0.015
Treated Water																					
01/03/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	20	<0.50	<0.0050
01/09/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	22	<0.50	<0.0050
01/16/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	0.97	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	19	<0.50	<0.0050
01/24/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	19	<0.50	<0.0050
01/29/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	2.2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	14	<0.50	<0.0050
02/06/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	0.77	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	21	<0.50	<0.0050
02/15/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	13	<0.50	<0.0050
02/19/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	0.55	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	17	<0.50	<0.0050
02/26/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	20	<0.50	<0.0050
03/06/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	21	<0.50	<0.0050
03/13/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	21	<0.50	<0.0050
03/19/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	21	<0.50	<0.0050
03/27/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020 J	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	21 J	<0.50	<0.0050
04/03/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	23 J	<0.50	<0.0050
04/11/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	23	<0.50	<0.0050
04/17/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	17	<0.50	<0.0050
04/24/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	21	<0.50	<0.0050
05/01/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	23	<0.50	<0.0050

TABLE 6-1
2013 INFLUENT AND EFFLUENT WATER QUALITY DATA - VALLEY COUNTY WATER DISTRICT LANTE TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

Analyte Name	Ethyl benzene	1,2-Dichloro ethane	Toluene	1,4-Dioxane	Tetra chloro ethene	Perchlorate	Sulfate As SO4	Cis-1,2-Dichloro ethene	Trans-1,2-Dichloro ethene	Carbon Tetra chloride	NDMA	Chloroform	Benzene	1,1,1-Trichloro ethane	Methylene Chloride	1,1-Dichloro ethane	1,1-Dichloro ethene	Tri chloro ethene	Nitrate As NO3	Xylenes (Total)	1,2,3-Trichloro propane
05/08/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	0.00056 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	18	<0.50	<0.0050
05/14/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	21	<0.50	<0.0050
05/22/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	21	<0.50	<0.0050
05/29/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	23	<0.50	<0.0050
06/04/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	19	<0.50	<0.0050
06/11/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	19	<0.50	<0.0050
06/18/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	18	<0.50	<0.0050
06/26/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	19	<0.50	<0.0050
07/02/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	18	<0.50	<0.0050
07/10/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	19	<0.50	<0.0050
07/18/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	20	<0.50	<0.0050
07/23/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	22	<0.50	<0.0050
07/30/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	20	<0.50	<0.0050
08/07/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	21	<0.50	<0.0050
08/13/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	20	<0.50	<0.0050
08/21/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	21	<0.50	<0.0050
08/27/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	20	<0.50	<0.0050
09/04/2013	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.002	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	22	<0.5	<0.0050
12/05/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	7.3	<0.50	<0.0050
12/11/2013	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	6.9	<0.50	<0.0050

Notes:
- MCL - Maximum contaminant level.
- SMCL - Secondary maximum contaminant level.
- Chloroform MCL based on MCL for trihalomethanes.
- NL - Notification Level.
- NA - Not analyzed or data not available.
- U - Not detected (Detection limit reported).
- J - Reported value is the approximate concentration of the analyte in the sample.
- * - Analysis by EPA Method 8270C.
- NDMA = N-Nitrosodimethylamine.

TABLE 6-2
2013 CHEMICAL MASS REMOVED - VALLEY COUNTY WATER DISTRICT LANTE TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

	2013 Average Concentrations (µg/L)[1]			Chemical Mass Removed[2] (kg)			Total Mass Removed	
Compound	**Well SA1-1**	**Well SA1-2**	**Well SA1-3**	**Well SA1-1**	**Well SA1-2[3]**	**Well SA1-3**	(kg)	(lb)
1,2-Dichloroethane	0.0	OUT OF SERVICE[3]	0.0	0.0	OUT OF SERVICE[3]	0.0	0.0	0.0
1,4-Dioxane	0.8		2.1	1.1		9.2	10.3	22.8
Carbon tetrachloride	0.0		0.0	0.0		0.0	0.0	0.0
N-Nitrosodimethylamine	0.0		0.011	0.0		0.0	0.1	0.1
Perchlorate	7.3		10.3	10.4		46.0	56.4	124.4
Tetrachloroethene	2.4		104.8	3.4		469.4	472.9	1042.5
Trichloroethene	1.7		39.9	2.4		178.7	181.1	399.3
1,1-Dichloroethane	0.0		0.0	0.0		0.0	0.0	0.0
1,1-Dichloroethene	1.2		4.9	1.8		21.8	23.5	51.8
cis-1,2-Dichloroethene	0.0		2.9	0.0		13.1	13.1	28.9
1,1,1-Trichloroethane	0.0		0.0	0.0		0.0	0.0	0.0
1,2,3-Trichloropropane	0.0		0.02	0.0		0.1	0.1	0.2
Chloroform	0.2		0.5	0.2		2.2	2.4	5.3
Total				**19.4**		**740.5**	**759.9**	**1,675.2**

Notes:

[1] - Average concentrations calculated using 0 ug/L for non-detects.

[2] - Chemical mass removed calculated by multiplying the average concentration from each extraction well by the total volume of water pumped from each well.

[3] - 127 acre-ft were extracted in May and June 2012. However, the chemical mass removed during this time could not be estimated because the well was not sampled for VOCs.

TABLE 6-3
2013 INFLUENT AND EFFLUENT AIR QUALITY DATA - VALLEY COUNTY WATER DISTRICT LANTE TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

Cas Num	1,2-DCA 107-06-2 (ppbV)	PCE 127-18-4 (ppbV)	m,p-Xylene 136777-61-2 (ppbV)	Cis-1,2-DCE 156-59-2 (ppbV)	Carbon Tetrachloride 56-23-5 (ppbV)	Chloroform 67-66-3 (ppbV)	Chloromethane 74-87-3 (ppbV)	Carbon Disulfide 75-15-0 (ppbV)	1,1-DCA 75-34-3 (ppbV)	1,1-DCE 75-35-4 (ppbV)	Freon-11 75-69-4 (ppbV)	Freon-12 75-71-8 (ppbV)	Chlorofluorocarbon 76-13-1 (ppbV)	MEK 78-93-3 (ppbV)	TCE 79-01-6 (ppbV)	O-Xylene 95-47-6 (ppbV)	1,2,4-Trimethylbenzene 95-63-6 (ppbV)
Tower 1 Fluidized Bed/ GAC Adsorber Exhaust																	
01/09/2013	<2.2	13	<2.2	16	<2.2	4.5	<2.2	<11	<2.2	23	4.8	2.4	4.4	<2.2	140	<2.2	<2.2
02/20/2013	<2.2	11	9.3	10	<2.2	3.1	<2.2	<11	<2.2	11	<2.2	<2.2	2.8	<2.2	130	2.7	4.3
03/06/2013	<2.2	15	<2.2	11	<2.2	3.3	<2.2	17	<2.2	17	4.2	<2.2	3.1	2.9	170	<2.2	<2.2
04/10/2013	<2.2	20	<2.2	14	<2.2	4.6	<2.2	<11	<2.2	19	4.9	2.2	3.1	<2.2	210	<2.2	<2.2
05/08/2013	<1.9	15	<1.9	11	<1.9	4.1	<1.9	<9.7	<1.9	14	3.9	<1.9	2.8	<1.9	190	<1.9	<1.9
05/08/2013	0.54	16	<2	12	1.2	4.3	0.66	<2	1.3	18	4.7	2.2	2.8	<1.5	160	<0.5	<1.5
06/13/2013	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2
08/28/2013	<2	7.5	<2	3.2	<2	<2	<2	<10	<2	3.8	<2	<2	<2	<2	77	<2	<2
09/04/2013	<2.2	9.1	<2.2	3.4	<2.2	<2.2	<2.2	<11	<2.2	7.4	<2.2	<2.2	<2.2	<2.2	81	<2.2	<2.2
Tower 2 Fluidized Bed/ GAC Adsorber Exhaust																	
03/27/2013	<2.2	<2.2	<2.2	22	<2.2	5.4	<2.2	<11	<2.2	22	4.9	<2.2	3.5	<2.2	63	<2.2	<2.2
04/10/2013	<2.2	<2.2	<2.2	18	<2.2	5.1	<2.2	14	<2.2	19	4.6	<2.2	3.2	<2.2	90	<2.2	<2.2
07/10/2013	<2.2	<2.2	<2.2	10	<2.2	3.6	<2.2	<11	<2.2	11	<2.2	<2.2	2.5	<2.2	160	<2.2	<2.2
08/07/2013	<2.2	6.5	<2.2	7.4	<2.2	2.7	<2.2	<11	<2.2	10	<2.2	<2.2	<2.2	<2.2	140	<2.2	<2.2
08/07/2013	0.52	5.6	<2	6.8	0.8	2.3	0.58	<2	0.56	7.8	2	1.1	<1.5	<1.5	81	<0.5	<1.5
09/04/2013	<2.3	12	<2.3	6.6	<2.3	2.5	<2.3	<11	<2.3	10	<2.3	<2.3	<2.3	<2.3	120	<2.3	<2.3
Tower 3 Fluidized Bed/ GAC Adsorber Exhaust																	
01/09/2013	<2.1	5.1	<2.1	16	<2.1	4.2	<2.1	<11	<2.1	23	4.8	2.3	2.5	<2.1	26	<2.1	<2.1
01/09/2013	0.66	4.9	<2	14	0.66	3.5	0.51	<2	1.1	20	3.8	1.8	2.1	<1.5	25	<0.5	<1.5
02/20/2013	<2.2	4.8	<2.2	12	<2.2	3.4	<2.2	<11	<2.2	15	2.5	<2.2	2.4	<2.2	33	<2.2	<2.2
03/06/2013	<2.1	5.4	<2.1	13	<2.1	3.7	<2.1	<11	<2.1	18	4.5	<2.1	2.5	<2.1	42	<2.1	<2.1
04/24/2013	<2.2	2.8	<2.2	7.6	<2.2	<2.2	<2.2	<11	<2.2	10	2.6	<2.2	<2.2	<2.2	31	<2.2	<2.2
05/08/2013	<2	2.3	<2	6.6	<2	<2	<2	<10	<2	9.9	2.6	<2	<2	10	24	<2	<2
06/13/2013	<2.2	4.4	<2.2	6.5	<2.2	<2.2	<2.2	<11	<2.2	8.3	<2.2	<2.2	<2.2	<2.2	47	<2.2	<2.2
07/10/2013	<2	5.2	<2	6.7	<2	2.4	<2	<10	<2	9	<2	<2	<2	<2	62	<2	<2
08/07/2013	<2	5	<2	5.2	<2	2.2	<2	<10	<2	8.1	<2	<2	<2	<2	64	<2	<2
09/04/2013	<2.2	6.4	<2.2	6.8	<2.2	2.6	<2.2	<11	<2.2	10	<2.2	<2.2	<2.2	<650	69	<2.2	<2.2
Tower 4 Fluidized Bed/ GAC Adsorber Exhaust																	
01/09/2013	<2.2	<2.2	<2.2	18	<2.2	4.9	<2.2	<11	<2.2	24	5.1	2.3	<2.2	<2.2	3.7	<2.2	<2.2
02/20/2013	<2.2	<2.2	<2.2	15	<2.2	4.3	<2.2	<11	<2.2	17	3.6	<2.2	<2.2	<2.2	7.4	<2.2	<2.2
03/06/2013	<2.2	<2.2	<2.2	16	<2.2	4.6	<2.2	<11	<2.2	18	4.3	<2.2	2.7	<2.2	13	<2.2	<2.2
04/10/2013	<2.1	<2.1	<2.1	18	<2.1	6	<2.1	<11	<2.1	21	5.3	2.4	4.3	<2.1	39	<2.1	<2.1
05/08/2013	<2	<2	<2	11	<2	3.8	<2	<10	<2	13	3.6	<2	3.7	<2	52	<2	<2
06/13/2013	<2	<2	<2	11	<2	3.9	<2	<10	<2	12	2.6	<2	4.3	<2	57	<2	<2
07/10/2013	<2.2	<2.2	<2.2	9.5	<2.2	4.2	<2.2	43	<2.2	13	2.3	<2.2	5.6	<2.2	89	<2.2	<2.2
08/07/2013	<1.9	<1.9	<1.9	5.9	<1.9	2.6	<1.9	<9.4	<1.9	9.7	2	<1.9	3.5	<1.9	70	<1.9	<1.9

Notes:

ppbV = parts per billion by volume.
All samples analyzed by method TO-15.
DCA = Dichloroethane
PCE = Tetrachloroethane
DCE = Dichloroethene
MEK = Methyl ethyl Ketone
TCE = Trichloroethene
The following compounds were not detected in any of the sampling events:

Ethyl benzene	Styrene	Benzyl Chloride	Cis-1,3-Dichloropropene	Trans-1,3-Dichloropropene	1,4-Dichlorobenzene	Ethylene Dibromide
1,3-Butadiene	Allyl Chloride	Acrylonitrile	Vinyl Acetate	Methyl Isobutyl Ketone	1,3,5-Trimethylbenzene	Toluene
Chlorobenzene	Tetrahydrofluorene	Hexane	Cyclohexane	Propylene	1,2,4-Trichlorobenzene	1,4-Dioxane
Chlorodibromomethane	Ethanol	Ethyl Acetate	Heptane	Trans-1,2-Dichloroethene	Methyl Tert-Butyl Ethene	2,2,4-Trimethylpentane
1,3-Dichlorobenzene	2-Hexanone	Vinyl Bromide	4-Ethyl Toluene	Methanol	Isopropyl Alcohol	
1,1,1-Trichloroethane	Bromomethane	Chloroethane	Vinyl Chloride	Bromoform	Bromodichloromethane	
Benzene	1,2-Dichloro-1,1,2,2-tetrafluoroethane	1,2-Dichloropropane	1,1,2-Trichloroethane	1,1,2,2-Trichloroethane	Hexachlorobutadiene	
Dichloromethane	1,2-Dichlorobenzene	1,2-Dibromo-3-chloropropane	1,2,3-Trichloropropane	Naphthalene	Acetone	

TABLE 6-4
2013 AIR RISK AND HAZARD SUMMARY - VALLEY COUNTY WATER DISTRICT LANTE TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

Date	MICR		Acute Hazard Index		Chronic Hazard Index		Cancer Burden	
ARAR	1.0 x 10-6		1.0		1.0		0.5	
	Estimated Annual Average[1]	Actual 52 Week Annual Rolling Maximum[2]	Estimated Annual Average[1]	Actual 52 Week Annual Rolling Maximum[3]	Estimated Annual Average[1]	Actual 52 Week Annual Rolling Maximum[2]	Estimated Annual Average[1]	Actual 52 Week Annual Rolling Maximum
January	0.41×10^{-6}	0.27×10^{-6}	8.10×10^{-4}	9.38×10^{-4}	7.47×10^{-4}	4.79×10^{-4}	- -	- -
February[2]	0.35×10^{-6}	0.23×10^{-6}	6.24×10^{-4}	9.38×10^{-4}	5.28×10^{-4}	4.37×10^{-4}	- -	- -
March	0.48×10^{-6}	0.22×10^{-6}	8.15×10^{-4}	9.38×10^{-4}	6.92×10^{-4}	4.37×10^{-4}	- -	- -
April	0.50×10^{-6}	0.26×10^{-6}	6.23×10^{-4}	9.38×10^{-4}	7.18×10^{-4}	4.73×10^{-4}	- -	- -
May	0.46×10^{-6}	0.30×10^{-6}	4.83×10^{-4}	9.38×10^{-4}	5.66×10^{-4}	4.82×10^{-4}	- -	- -
June	0.15×10^{-6}	0.28×10^{-6}	2.24×10^{-4}	9.38×10^{-4}	1.85×10^{-4}	4.39×10^{-4}	- -	- -
July	0.45×10^{-6}	0.32×10^{-6}	6.48×10^{-4}	9.38×10^{-4}	2.84×10^{-4}	4.41×10^{-4}	- -	- -
August	0.44×10^{-6}	0.35×10^{-6}	3.16×10^{-4}	9.38×10^{-4}	4.98×10^{-4}	4.74×10^{-4}	- -	- -
September	0.46×10^{-6}	0.35×10^{-6}	3.28×10^{-4}	9.38×10^{-4}	6.94×10^{-4}	4.72×10^{-4}	- -	- -
October	NS	0.33×10^{-6}	NS	9.38×10^{-4}	NS	4.41×10^{-4}	- -	- -
November	NS	0.30×10^{-6}	NS	9.38×10^{-4}	NS	3.95×10^{-4}	- -	- -
December	NS	0.28×10^{-6}	NS	9.37×10^{-4}	NS	3.52×10^{-4}	- -	- -

Notes:
MICR - Maximum individual cancer risk.
ARAR - Applicable or relevant and appropriate requirements.
1. Estimated Annual Average is based on the most recent value.
2. Actual 52-Week Rolling Average MICR and Chronic Hazard Index are based on air sampling results collected over the previous 12 months.
3. Actual 52-Week Rolling Maximum Acute Hazard Index is based on the maximum value over the previous 12 months.
- - Not calculated because the MICR was less than 1 in 1 million
NS - No Sampling - Site shutdown during months of October and November.

TABLE 6-5
2013 BRINE VAULT DATA
VALLEY COUNTY WATER DISTRICT LANTE TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

Date	Total Discharge (gallons)	Average Flowrate (gpm)	Max Flowrate (gpm)
January	8,328,927	187	271
February	4,787,680	119	234
March	7,809,593	175	254
April	7,057,226	163	258
May	7,450,487	167	258
June	4,756,348	110	223
July	4,211,973	94	133
August	3,859,138	86	112
September	590,271	14	122
October	2	0	0
November	0	0	0
December	0	0	0

Notes:
Total annual discharge is 48,851,645 gallons.
gpm - Gallons per minute.

TABLE 6-6
2013 INFLUENT AND EFFLUENT WATER QUALITY DATA - LA PUENTE VALLEY COUNTY WATER DISTRICT TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

Analyte Name	Ethyl benzene	1,2-Dichloro ethane	Toluene	1,4-Dioxane	Tetra chloro ethene	Perchlorate	Sulfate As SO_4^*	Cis-1,2-Dichloro ethene	Trans-1,2-Dichloro ethene	Carbon Tetra chloride	NDMA	Chloroform	Benzene	1,1,1-Trichloro ethane	Methylene Chloride	1,1-Dichloro ethane	1,1-Dichloro ethene	Tri chloro ethene	Nitrate As NO_3^*	Xylenes (Total)	1,2,3-Trichloro propane
Units	**UG/L**	**UG/L**	**UG/L**	**UG/L**	**UG/L**	**UG/L**	**MG/L**	**UG/L**	**UG/L**	**UG/L**	**UG/L**	**UG/L**	**UG/L**	**UG/L**	**UG/L**	**UG/L**	**UG/L**	**UG/L**	**MG/L**	**UG/L**	**UG/L**
Regulatory Limits																					
MCL/NL*/SMCL**	700	0.5	150	1*	5	6	200**	6	10	0.5	0.01*	100	1	200	5	5	6	5	45	1750	0.005*
Design Concentrations - Combined Treatment Plant Influent																					
Maximum	5	5	5	5	50	200	--	5	5	5	0.9	5	5	5	5	5	5	50	--	5	--
Expected Average	0.49	3.37	0.65	2.12	2.58	79.83	--	1.03	0.37	2.86	0.59183	1.91	0.26	0.32	0.51	0.48	0.45	26.74	--	0.83	--
Well #2																					
02/25/13	<0.50	3	<0.50	2.3	4.8	75	37	1.9	<0.50	4.9	0.2	2.1	<0.50	<0.50	<0.50	0.72	<0.50	110	25	<0.50	<0.50
04/05/13	<0.50	2.4	<0.50	1.6	3.5	53	42	1.6	<0.50	3.7	0.2	1.7	<0.50	<0.50	<0.50	0.61	<0.50	74	28	<1.0	<0.50
06/14/13	<0.50	2.3	<0.50	1.5	2.7	54	43	1.4	<0.50	2.8	0.16	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	76	28	<0.50	<0.50
08/23/13	<0.50	2.4	<0.50	1.4	3.7	58	45	1.2	<0.50	3.2	0.12	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	71	31	<0.50	<0.50
10/16/13	<0.50	2.5	<0.50	1.5	3.5	59	43	1.4	<0.50	3.2	0.085	2.1	<0.50	<0.50	<0.50	0.55	<0.50	77	29	<0.50	<0.50
12/05/13	<0.50	2.9	<0.50	1.6	4.2	59	43	1.4	<0.50	3.3	0.15	2.3	<0.50	<0.50	<0.50	0.62	<0.50	87	29	<1.0	<0.50
Well #3																					
04/05/13	<0.50	<0.50	<0.50	<0.50	<0.50	9.4	37	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	37	<0.50	<0.50
06/14/13	<0.50	<0.50	<0.50	<0.50	<0.50	9.7	37	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	35	<0.50	<0.50
08/23/13	<0.50	<0.50	<0.50	<0.50	0.55	10	38	<0.50	<0.50	<0.50	0.0066	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	38	<0.50	<0.50
10/16/13	<0.50	<0.50	<0.50	<0.50	<0.50	10	38	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	36	<1.0	<0.50
12/05/13	<0.50	<0.50	<0.50	<0.50	0.51	11	39	<0.50	<0.50	<0.50	<0.0020 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	37	<1.0	<0.50
Well #5																					
01/08/13	<0.50	0.77	<0.50	0.57	1.3	19	42	0.59	<0.50	0.78	0.042 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	21	30	<0.50	<0.50
02/11/13	<0.50	0.69	<0.50	0.57	1.9	17	41	<0.50	<0.50	0.73	0.045	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	19	30	<0.50	<0.50
03/04/13	<0.50	0.64	<0.50	0.6	1.4	19	42	<0.50	<0.50	<0.50	0.033	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	18	30	<0.50	<0.50
04/08/13	<0.50	0.53	<0.50	<0.50	1.4	18	42	<0.50	<0.50	0.72	0.036	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	16	30	<0.50	<0.50
05/06/13	<0.50	<0.50	<0.50	<0.50	1.3	17	41	0.63 J	<0.50	0.59	0.026	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	13	29	<0.50	<0.50
06/03/13	<0.50	<0.50	<0.50	<0.50	0.9	17	41	<0.50	<0.50	<0.50	0.019	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	10	30	<0.50	<0.50
07/08/13	<0.50	<0.50	<0.50	<0.50	1.4	17	42	<0.50	<0.50	<0.50	0.026	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	11	31	<0.50	<0.50
08/13/13	<0.50	<0.50	<0.50	<0.50	0.99	17	43	<0.50	<0.50	<0.50	0.022	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	11	32	<0.50	<0.50
08/22/13	<0.50	<0.50	<0.50	<0.50	1.4	19	43	<0.50	<0.50	<0.50	0.066 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	11	33	<0.50	<0.50
09/10/13	<0.50	0.54	<0.50	<0.50	1.5	19	43	<0.50	<0.50	0.55	0.046 J	0.58	<0.50	<0.50	<0.50	<0.50	<0.50	14	32	<0.50	<0.50
10/07/13	<0.50	0.55	<0.50	<0.50	1.3	19	43	<0.50	<0.50	0.61	0.037 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	13	32	<1.0	<0.50
11/12/13	<0.50	<0.50	<0.50	<0.50	1.5	20	42	0.62	<0.50	0.8	0.022 J	0.66	<0.50	<0.50	<0.50	<0.50	<0.50	17	32	<1.0	<0.50
12/09/13	<0.50	0.75	<0.50	<0.50	1.8	22	43	0.56	<0.50	0.66	0.028	0.74	<0.50	<0.50	<0.50	<0.50	<0.50	19	31	<1.0	<0.50
Treated Water																					
01/07/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	49	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	31	<0.50	<0.50
01/14/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	48	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
01/22/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	49	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	29	<0.50	<0.50
01/28/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	49	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
02/04/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	49	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	29	<0.50	<0.50
02/11/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	29	<0.50	<0.50
02/20/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<0.50	<0.50
02/25/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
03/04/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	29	<0.50	<0.50
03/11/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	51	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
03/18/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	33	<0.50	<0.50
03/25/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	49	<0.50	<0.50	<0.50	<0.0020 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	31	<0.50	<0.50
04/01/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	51	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
04/08/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	52	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
04/15/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	51	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
04/22/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	51	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<0.50	<0.50

TABLE 6-6
2013 INFLUENT AND EFFLUENT WATER QUALITY DATA - LA PUENTE VALLEY COUNTY WATER DISTRICT TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

Analyte Name	Ethyl benzene	1,2-Dichloro ethane	Toluene	1,4-Dioxane	Tetra chloro ethene	Perchlorate	Sulfate As SO_4*	Cis-1,2-Dichloro ethene	Trans-1,2-Dichloro ethene	Carbon Tetra chloride	NDMA	Chloroform	Benzene	1,1,1-Trichloro ethane	Methylene Chloride	1,1-Dichloro ethane	1,1-Dichloro ethene	Tri chloro ethene	Nitrate As NO_3*	Xylenes (Total)	1,2,3-Trichloro propane
04/29/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	51	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
05/06/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	52	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	29	<0.50	<0.50
05/13/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	52	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	29	<0.50	<0.50
05/20/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	51	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
05/28/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
06/03/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	29	<0.50	<0.50
06/10/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	50	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
06/17/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	50	<0.50	<0.50	<0.50	0.0029	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	29	<0.50	<0.50
06/25/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	52	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
07/01/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	55	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
07/08/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	51 J	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
07/15/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	53	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
07/23/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	51	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	29	<0.50	<0.50
07/29/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	54	<0.50	<0.50	<0.50	<0.0020 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	29	<0.50	<0.50
08/05/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	53	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	31 J	<0.50	<0.50
08/13/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	60	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	25	<0.50	<0.50
08/19/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	59	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
08/26/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	57	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
09/03/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	58	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
09/10/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	57	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
09/16/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	57	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	29	<0.50	<0.50
09/23/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	61	<0.50	<0.50	<0.50	<0.002 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<1.0	<0.50
10/01/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	57	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
10/07/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	57	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
10/15/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	57	<0.50	<0.50	<0.50	<0.0020 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	29	<0.50	<0.50
10/22/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	58	<0.50	<0.50	<0.50	<0.0020 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
10/28/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	58	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	29	<0.50	<0.50
11/04/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	57	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	31	<0.50	<0.50
11/12/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	57	<0.50	<0.50	<0.50	<0.0020 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	31	<0.50	<0.50
11/18/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	57	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
11/25/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	58	<0.50	<0.50	<0.50	<0.0020 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50
12/04/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	59	<0.50	<0.50	<0.50	<0.0020 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<0.50	<0.50
12/09/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	58	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30 J	<0.50	<0.50
12/16/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	58	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	28	<0.50	<0.50
12/23/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	58	<0.50	<0.50	<0.50	0.0023	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	29	<0.50	<0.50
12/30/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	58	<0.50	<0.50	<0.50	<0.0020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	30	<0.50	<0.50

Notes:

MCL - Maximum contaminant level.
SMCL - Secondary maximum contaminant level.
Chloroform MCL based on MCL for trihalomethanes.
NL - Notification Level.
U - Not detected (Detection limit reported).
J - Reported value is the approximate concentration of the analyte in the sample.
NDMA = N-Nitrosodimethylamine.

TABLE 6-7
2013 CHEMICAL MASS REMOVED - LA PUENTE VALLEY COUNTY WATER DISTRICT TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

	2013 Average Concentrations (µg/L)[1]			Chemical Mass Removed[2] (kg)			Total Mass Removed	
Compound	**LPVCWD 2**	**LPVCWD 3**	**LPVCWD 5**	**LPVCWD-2**	**LPVCWD-3**	**LPVCWD 5**	(kg)	(lb)
1,1-Dichloroethane	0.4	0.0	0.0	0.03	0.0	0.0	0.0	0.1
1,2-Dichloroethane	2.6	0.0	0.3	0.18	0.0	1.4	1.6	3.6
1,4-Dioxane	1.7	0.0	0.1	0.11	0.0	0.6	0.7	1.5
Carbon Tetrachloride	3.5	0.0	0.4	0.24	0.0	1.8	2.0	4.4
Cis-1,2-Dichloroethene	1.5	0.0	0.1	0.10	0.0	0.6	0.7	1.5
Chloroform	1.9	0.0	0.2	0.13	0.0	0.6	0.8	1.7
N-Nitrosodimethylamine	0.2	0.0	0.0	0.01	0.0	0.1	0.2	0.3
Perchlorate	59.7	10.0	18.5	4.07	0.9	77.6	82.5	182.0
Tetrachloroethene	3.7	0.2	1.4	0.25	0.0	5.8	6.1	13.5
Trichloroethene	82.5	1.5	14.8	5.62	0.1	62.4	68.1	150.2
Total				**10.7**	**1.1**	**150.9**	**162.7**	**358.7**

Notes:

[1] - Average concentrations calculated using 0 ug/L for non-detects.

[2] - Chemical mass removed calculated by multiplying the average concentration from each extraction well by the total volume of water pumped from each well.

TABLE 6-8
2013 INFLUENT AND EFFLUENT AIR QUALITY DATA - LA PUENTE VALLEY COUNTY WATER DISTRICT TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

	1,2-DCA (ppbV)	Toluene 108-88-3	Chlorobenzene 108-90-7	PCE (ppbV)	m,p-Xylene (ppbV)	Cis-1,2-DCE (ppbV)	Carbon Tetrachloride (ppbV)	Ethanol (ppbV)	Acetone (ppbV)	Chloroform (ppbV)	Chloromethane (ppbV)	Carbon Disulfide (ppbV)	1,1-DCA (ppbV)	1,1-DCE (ppbV)	Freon-12 (ppbV)	MEK (ppbV)	TCE (ppbV)
Small Tower Outlet																	
01/09/2013	3.4	<2.1	<2.1	<2.1	<2.1	2.6	2.4	<11	<11	2.9	<2.1	14	<2.1	<2.1	4.4	<2.1	30
02/07/2013	3.5	<2.1	<2.1	<2.1	<2.1	2.9	2.6	<11	<11	3.3	<2.1	<11	<2.1	<2.1	5	<2.1	35
03/06/2013	2.5	<2.1	<2.1	<2.1	<2.1	2.4	<2.1	<11	<11	2.4	<2.1	14	<2.1	<2.1	4	<2.1	31
04/10/2013	3.6	<2.1	<2.1	<2.1	<2.1	3.6	3	<11	<11	3.5	<2.1	12	<2.1	<2.1	5.3	<2.1	54
05/08/2013	2.9	<2.2	<2.2	<2.2	<2.2	2.3	<2.2	<11	<11	2.6	<2.2	<11	<2.2	<2.2	3.9	<2.2	47
06/17/2013	2.2	<2.1	<2.1	<2.1	<2.1	2.1	<2.1	<11	<11	<2.1	<2.1	<11	<2.1	<2.1	3.7	<2.1	44
07/03/2013	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<30	10	<2.1	<2.1	<10	<2.1	<2.1	2.3	2.7	<2.1
08/07/2013	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<11	<11	<2.2	<2.2	<11	<2.2	<2.2	3.5	<2.2	<2.2
09/04/2013	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<11	<11	<2.2	<2.2	<11	<2.2	<2.2	3.6	<2.2	<2.2
09/04/2013	1	<0.54	<0.54	<0.54	<2.1	1	0.79	<5.4	<2.1	1.7	<0.54	<2.1	0.68	0.56	3.2	<1.6	<0.54
10/10/2013	2.1	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<9.7	<9.7	2.4	<1.9	22	<1.9	<1.9	3.7	2.9	<1.9
11/20/2013	2.6	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<11	<11	2.5	<2.1	<11	<2.1	<2.1	3.5	<2.1	6.6
12/11/2013	3.4	<2.1	<2.1	<2.1	<2.1	2.9	<2.1	<11	<11	3.4	<2.1	<11	<2.1	<2.1	5.1	<2.1	15
Large Tower Outlet A																	
01/09/2013	3.1	<2.1	<2.1	<2.1	<2.1	3	2.2	<11	<11	3.3	<2.1	<11	<2.1	<2.1	5	<2.1	7.1
02/07/2013	3.4	<1.9	<1.9	<1.9	<1.9	2.7	2.4	<9.4	<9.4	3.2	<1.9	<9.4	<1.9	<1.9	4.3	<1.9	15
03/06/2013	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<11	<11	<2.2	<2.2	<11	<2.2	<2.2	3.2	<2.2	12
04/10/2013	3.5	<2.1	<2.1	<2.1	<2.1	3.8	2.5	<11	<11	3.5	<2.1	<11	<2.1	<2.1	4.3	<2.1	24
04/10/2013	3.3	<0.5	<0.5	<0.5	<2	2.7	1.7	<5	2.8	2.6	0.62	<2	1.1	0.78	2.3	<1.5	19
05/08/2013	2.8	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<11	<11	2.3	<2.3	<11	<2.3	<2.3	3.2	<2.3	22
06/17/2013	2.4	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<11	<11	<2.2	<2.2	12	<2.2	<2.2	2.9	<2.2	20
07/03/2013	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<12	<11	<2.1	<2.1	<11	<2.1	<2.1	<2.1	<2.1	<2.1
08/07/2013	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<11	<11	<2.2	<2.2	20	<2.2	<2.2	3.2	<2.2	<2.2
09/04/2013	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<11	<11	<2.1	<2.1	<11	<2.1	<2.1	3.2	<2.1	<2.1
10/10/2013	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	11	<11	<2.1	<2.1	<11	<2.1	<2.1	2.7	<2.1	<2.1
10/10/2013	1.2	<0.5	<0.5	<0.5	<2	1.6	0.88	<5	<2	2.1	<0.5	<2	0.99	0.88	2.7	<1.5	1.7
11/20/2013	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<11	<11	2.2	<2.1	<11	<2.1	<2.1	3.4	<2.1	3.4
12/11/2013	2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<11	<11	2.6	<2.1	<11	<2.1	<2.1	3.2	<2.1	5.3
Large Tower Outlet B																	
01/09/2013	3.7	<2	<2	<2	<2	3.2	2.7	<10	<10	3.5	<2	<10	<2	<2	4.9	<2	11
02/07/2013	3.9	<2	<2	<2	<2	2.7	2.7	<10	<10	3	<2	<10	<2	<2	4.1	<2	19
03/06/2013	2.2	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<11	<11	<2.1	<2.1	<11	<2.1	<2.1	3.4	<2.1	17
03/06/2013	2.2	<0.5	<0.5	<0.5	<2	1.9	1.7	<5	2.6	1.9	0.6	<2	0.69	0.59	2.4	<1.5	19
04/10/2013	3.6	2.8	6.8	<2.1	3.6	3.4	2.9	<11	<11	3.7	<2.1	<11	<2.1	<2.1	4.1	<2.1	32
05/08/2013	2.8	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<11	<11	<2.2	<2.2	<11	<2.2	<2.2	2.7	<2.2	34
06/17/2013	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<11	<11	<2.2	<2.2	<11	<2.2	<2.2	2.7	<2.2	28
06/17/2013	2.7	<0.52	<0.52	1.3	<2.1	2.4	2.7	<5.2	<2.1	2.6	0.71	<2.1	0.99	0.8	3.1	<1.5	42
07/03/2013	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<11	<11	<2.2	<2.2	71	<2.2	<2.2	<2.2	<2.2	<2.2
08/07/2013	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<12	<10	<2.1	<2.1	<10	<2.1	<2.1	3.2	<2.1	3
09/04/2013	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<19	<12	<2.4	<2.4	<12	<2.4	<2.4	<2.4	<2.4	<2.4
10/10/2013	<2	<2	<2	<2	<2	<2	<2	<10	<10	2.4	<2	<10	<2	<2	3.3	<2	2
11/20/2013	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<9.7	<9.7	<1.9	<1.9	<9.7	<1.9	<1.9	2.4	<1.9	2.1
12/11/2013	2.9	<1.9	<1.9	<1.9	<1.9	2.1	<1.9	<9.7	<9.7	3	<1.9	<9.7	<1.9	<1.9	3.2	<1.9	3.4

TABLE 6-8
2013 INFLUENT AND EFFLUENT AIR QUALITY DATA - LA PUENTE VALLEY COUNTY WATER DISTRICT TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

	1,2-DCA (ppbV)	Toluene 108-88-3	Chlorobenzene 108-90-7	PCE (ppbV)	m,p-Xylene (ppbV)	Cis-1,2-DCE (ppbV)	Carbon Tetrachloride (ppbV)	Ethanol (ppbV)	Acetone (ppbV)	Chloroform (ppbV)	Chloromethane (ppbV)	Carbon Disulfide (ppbV)	1,1-DCA (ppbV)	1,1-DCE (ppbV)	Freon-12 (ppbV)	MEK (ppbV)	TCE (ppbV)

Notes:
ppbV = parts per billion by volume.
All samples analyzed by method TO-15.
DCA = Dichloroethane
PCE = Tetrachloroethane
DCE = Dichloroethene
MEK = Methyl ethyl Ketone
TCE = Trichloroethene
The following compounds were not detected in any of the sampling events:

Ethyl Benzene	Styrene	Benzyl Chloride	Cis-1,3-Dichloroprope	Trans-1,3-Dichloropropene	1,4-Dichlorobenzene	Hexane	1,3-DCB
Vinyl Acetate	MIBK	1,3,5-Trimethylbenzene	Benzene	Trans-1,2-DCE	THF	2,2,4-Trimethylpentan	Dichloromethane
1,4-Dioxane	Chlorodibromomethane	Ethyl Acetate	Heptane	Bromomethane	MTBE	Vinyl Chloride	Naphthalene
4-Ethyl Toluene	Methanol	Isopropyl Alcohol	1,1,1-Trichloroethane	1,1,2-TCA	Chloroethane	Hexachlorobutadiene	
Freon-11	1,1,2-Trichloro-1,2,2-Trifluoroetha	1,2-Dichloro-1,1,2,2-tetrafluoroeth	1,2-Dichloropropane	Acrylonitrile	1,1,2,2-PCA	1,2,4-Trichlorobenzene	
1,2,4-Trimethylbenz	1,2-Dibromo-3-chloropropane	1,2,3-Trichloropropane	Allyl Chloride	1,2-Dichlorobenzene	Propylene	1,3-Butadiene	
Vinyl Bromide	Bromoform	Bromodichloromethane	O-Xylene	1,2-Dibromoethane	Cyclohexane	2-Hexanone	

TABLE 6-9
2013 AIR RISK AND HAZARD SUMMARY - LA PUENTE VALLEY COUNTY WATER DISTRICT TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

Date	MICR		Acute Hazard Index		Chronic Hazard Index		Cancer Burden	
ARAR	1.0 x 10-6		1.0		1.0		0.5	
	Estimated Annual Average[1]	Actual 52 Week Annual Rolling Maximum[2]	Estimated Annual Average[1]	Actual 52 Week Annual Rolling Maximum[3]	Estimated Annual Average[1]	Actual 52 Week Annual Rolling Maximum[2]	Estimated Annual Average[1]	Actual 52 Week Annual Rolling Maximum
January	0.71×10^{-6}	0.48×10^{-6}	6.35×10^{-4}	8.58×10^{-4}	2.86×10^{-4}	1.68×10^{-4}	- -	- -
February[2]	0.57×10^{-6}	0.49×10^{-6}	4.96×10^{-4}	8.58×10^{-4}	2.16×10^{-4}	1.74×10^{-4}	- -	- -
March	0.22×10^{-6}	0.44×10^{-6}	2.50×10^{-4}	8.58×10^{-4}	8.63×10^{-5}	1.57×10^{-4}	- -	- -
April [3]	0.64×10^{-6}	0.45×10^{-6}	5.29×10^{-4}	7.39×10^{-4}	2.87×10^{-4}	1.72×10^{-4}	- -	- -
May	0.31×10^{-6}	0.39×10^{-6}	2.73×10^{-4}	7.39×10^{-4}	1.13×10^{-4}	1.43×10^{-4}	- -	- -
June	0.19×10^{-6}	0.33×10^{-6}	4.79×10^{-6}	6.38×10^{-4}	1.06×10^{-4}	1.21×10^{-4}	- -	- -
July	0.00×10^{-6}	0.33×10^{-6}	4.71×10^{-5}	6.38×10^{-4}	3.17×10^{-5}	1.22×10^{-4}	- -	- -
August	0.0026×10^{-6}	0.33×10^{-6}	1.04×10^{-5}	6.38×10^{-4}	9.16×10^{-6}	1.22×10^{-4}	- -	- -
September	0.00×10^{-6}	0.32×10^{-6}	0.00	6.38×10^{-4}	0.00	1.19×10^{-4}	- -	- -
October	0.13×10^{-6}	0.30×10^{-6}	3.02×10^{-4}	6.38×10^{-4}	2.27×10^{-5}	1.18×10^{-4}	- -	- -
November	0.14×10^{-6}	0.28×10^{-6}	2.51×10^{-4}	5.91×10^{-4}	1.47×10^{-5}	1.09×10^{-4}	- -	- -
December	0.25 × 10-6	0.25×10^{-6}	4.31×10^{-4}	5.29×10^{-4}	3.21×10^{-5}	9.27×10^{-5}	- -	- -

Notes:

MICR - Maximum individual cancer risk.

ARAR - Applicable or relevant and appropriate requirements.

1. Estimated Annual Average is based on the most recent value.
2. Actual 52-Week Rolling Average MICR and Chronic Hazard Index are based on air sampling results collected over the previous 12 months.
3. Actual 52-Week Rolling Maximum Acute Hazard Index is based on the maximum value over the previous 12 months.

- - Not calculated because the MICR was less than 1 in 1 million.

TABLE 6-10
2013 BRINE VAULT DATA
LA PUENTE VALLEY COUNTY WATER DISTRICT TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

Date	Total Discharge (gallons)	Average Flowrate* (gpm)	Max Flowrate (gpm)
January	0	0	0
February	2,059	0.2	23.8
March	1,558	0.3	34.7
April	2,254	0.2	22.1
May	1,504	0.1	141.3
June	2,998	0.2	29.8
July	1,277	0.2	26
August	0	0	0
September	1,664	0.2	26.4
October	1,304	0.2	27.4
November	601	0.2	25.2
December	1,356	0.2	26.8

Notes:
* Reported Average Flow is an average of only the discharge duration
Total annual discharge is 16,575 gallons.
gpm - Gallons per minute.
NR - Not recorderd

TABLE 6-11
2013 INFLUENT AND EFFLUENT WATER QUALITY DAT - SAN GABRIEL VALLEY WATER COMPANY B6 TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

Analyte Name	Ethyl benzene	1,2-Dichloro ethane	Toluene	1,4-Dioxane	Tetra chloro ethene	Perchlorate	Sulfate As SO4	Cis-1,2-Dichloro ethene	Trans-1,2-Dichloro ethene	Carbon Tetra chloride	NDMA	Chloroform	Benzene	1,1,1-Trichloro ethane	Methylene Chloride	1,1-Dichloro ethane	1,1-Dichloro ethene	Tri chloro ethene	Nitrate As NO3	Xylenes (Total)	1,2,3-Trichloro propane
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	MG/L	UG/L	UG/L
Regulatory Limits																					
MCL/NL*/SMCL**	700	0.5	150	1*	5	6	200**	6	10	0.5	0.01*	100	1	200	5	5	6	5	45	1750	0.005*
Design Concentrations - Combined Treatment Plant Influent																					
Maximum	5	5	5	5	50	200	--	5	5	5	0.9	5	5	5	5	5	5	50	--	5	--
Expected Average	0.49	3.37	0.65	2.12	2.58	79.83	--	1.03	0.37	2.86	0.59183	1.91	0.26	0.32	0.51	0.48	0.45	26.74	--	0.83	--
Well B25A																					
01/23/13	<0.50	<0.50	<0.50	1.1	15	17	52	2.3	<0.50	0.52	0.0055	0.99	<0.50	<0.50	<0.50	<0.50	2	20	60	<0.50	<0.50
02/21/13	<0.50	<0.50	<0.50	1	17	18 J	54	2.5	<0.50	0.64	0.0056	0.67	<0.50	<0.50	<0.50	<0.50	2.3	24	60	<0.50	<0.50
03/04/13	<0.50	<0.50	<0.50	--	18	--	--	2.6	<0.50	0.72	0.0055	0.73	<0.50	<0.50	<0.50	<0.50	2.7	25	--	<0.50	<0.50
3/4/2013 (dup)	<0.50	<0.50	<0.50	1	19	19	54	2.4	<0.50	<0.50	--	0.71	<0.50	<0.50	<0.50	<0.50	2.9	26	63	<0.50	<0.50
Well B25B																					
01/23/13	<0.50	<0.50	<0.50	0.65	<0.50	1.4 J	45	<0.50	<0.50	3.6	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	9.4	<0.50	<0.50
02/21/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	47	<0.50	<0.50	2.2	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.67	14	<0.50	<0.50
03/04/13	<0.50	<0.50	<0.50	0.64	0.5	2.5	45	<0.50	<0.50	5.7	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	7.8	<0.50	<0.50
3/4/2013 (dup)	<0.50	<0.50	<0.50	--	0.5	--	--	<0.50	<0.50	5.2	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	2.8	--	<0.50	<0.50
Well B26A																					
01/04/13	<0.50	2.8	<0.50	1.9	4.4	54	48	2.4	<0.50	2.2	0.25	2.4	<0.50	<0.50	<0.50	0.57	1.1	52	53	<0.50	<0.50
02/05/13	<0.50	1.8	<0.50	1.5	3.6	52	50	1.7	<0.50	1.5	0.23	1.4	<0.50	<0.50	<0.50	<0.50	0.74	46	51	<0.50	<0.50
03/04/13	<0.50	2.2	<0.50	1.8	4.2	53	50	1.8	<0.50	2.1	0.23	1.8	<0.50	<0.50	<0.50	0.56	0.9	44	52	<0.50	<0.50
3/4/2013 (dup)	<0.50	2.4	<0.50	--	4.8	--	--	2.2	<0.50	2.1	--	1.9	<0.50	<0.50	<0.50	0.53	1	43	--	<0.50	<0.50
Well B26B																					
01/04/13	<0.50	2.1	<0.50	1.9	1.5	49	40	1.2	<0.50	15	0.082	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	61	14	<0.50	<0.50
02/05/13	<0.50	1.4	<0.50	1.5	1.5	47	41	0.87	<0.50	9.8	0.072	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	49	14	<0.50	<0.50
03/04/13	<0.50	2.1	<0.50	2	1.7	48	42	1.1	<0.50	15	0.075	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	58	13	<0.50	<0.50
B6C																					
02/25/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	0.5	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	10	<0.50	<0.50
03/04/13	<0.50	<0.50	<0.50	--	<0.50	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50
05/16/13	<0.50	<0.50	<0.50	<0.50	<0.50	19	58	<0.50	<0.50	<0.50	0.021	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	83	<0.50	<0.50
08/22/13	<0.50	1.9	<0.50	<0.50	6.3	24	62	2.2	<0.50	2.1	0.034	2	<0.50	<0.50	<0.50	1.1	0.69	47	88	<0.50	<0.50
B6D																					
02/25/13	<0.50	1.2	<0.50	1.1	3.9	30	35	1.4	<0.50	1.8	0.049	1.6	<0.50	<0.50	<0.50	0.82	<0.50	37	20	<0.50	<0.50
03/04/13	<0.50	1.3	<0.50	--	4.6	--	--	1.6	<0.50	1.8	<1.0	1.3	<0.50	<0.50	<0.50	0.95	<0.50	44	--	<0.50	<0.50
05/16/13	<0.50	1.7	<0.50	1.5	5.2	51	38	2.1	<0.50	2	0.093	1.8	<0.50	<0.50	<0.50	1	0.61	50	24	<0.50	<0.50
08/22/13	<0.50	<0.50	<0.50	1.4	0.52 J	54	42	<0.50	<0.50	<0.50	0.099	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	3.3 J	24	<0.50	<0.50
B6 Fully Treated																					
01/04/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	10	<0.50	<0.50
01/08/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	8.7	<0.50	<0.50
01/15/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	9.1	<0.50	<0.50
01/22/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	11	<0.50	<0.50
01/29/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	8.9	<0.50	<0.50
02/05/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	8.8	<0.50	<0.50
02/11/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	9.1	<0.50	<0.50

TABLE 6-11
2013 INFLUENT AND EFFLUENT WATER QUALITY DAT - SAN GABRIEL VALLEY WATER COMPANY B6 TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

Analyte Name	Ethyl benzene	1,2-Dichloro ethane	Toluene	1,4-Dioxane	Tetra chloro ethene	Perchlorate	Sulfate As SO4	Cis-1,2-Dichloro ethene	Trans-1,2-Dichloro ethene	Carbon Tetra chloride	NDMA	Chloroform	Benzene	1,1,1-Trichloro ethane	Methylene Chloride	1,1-Dichloro ethane	1,1-Dichloro ethene	Tri chloro ethene	Nitrate As NO3	Xylenes (Total)	1,2,3-Trichloro propane
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	MG/L	UG/L	UG/L
02/19/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	0.0032	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	9.7	<0.50	<0.50
02/27/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	9.1	<0.50	<0.50
03/04/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	8.7	<0.50	<0.50
3/4/2013 (dup)	<0.50	<0.50	<0.50	--	<0.50	--	--	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50

Notes:

MCL - Maximum contaminant level.
SMCL - Secondary maximum contaminant level.
Chloroform MCL based on MCL for trihalomethanes.
NL - Notification Level.
NA - Not analyzed or data not available.
U - Not detected (Detection limit reported).
J - Reported value is the approximate concentration of the analyte in the sample.
* - Analysis by EPA Method 8270C
NDMA = N-Nitrosodimethylamine

TABLE 6-12
2013 CHEMICAL MASS REMOVED - SAN GABRIEL VALLEY WATER COMPANY B6 TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

	2013 Average Concentrations (µg/L)[1]						Chemical Mass Removed[2] (kg)						Total Mass Removed	
Compound	**Well B6C**	**Well B6D**	**Well B25A**	**Well B25B**	**Well B26A**	**Well B26B**	**Well B6C**	**Well B6D**	**Well B25A**	**Well B25B**	**Well B26A**	**Well B26B**	(kg)	(lb)
1,1-Dichloroethane	0.3	0.7	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.4	0.9
1,1-Dichloroethene	0.2	0.2	2.5	0.0	0.9	0.0	0.0	0.0	4.0	0.0	0.9	0.0	4.9	10.8
1,2-Dichloroethane	0.5	1.1	0.0	0.0	2.3	1.9	0.0	0.0	0.0	0.0	2.1	2.1	4.3	9.4
1,4-Dioxane	0.0	1.0	0.8	0.3	1.3	1.8	0.0	0.0	1.3	0.6	1.2	2.0	5.1	11.3
Carbon tetrachloride	0.5	1.4	0.5	4.2	2.0	13.3	0.0	0.0	0.8	7.8	1.8	15.1	25.5	56.1
cis-1,2-Dichloroethene	0.6	1.3	2.5	0.0	2.0	1.1	0.0	0.0	4.0	0.0	1.9	1.2	7.1	15.6
Chloroform	0.5	1.2	0.8	0.0	1.9	1.4	0.0	0.0	1.3	0.0	1.8	1.6	4.6	10.2
N-Nitrosodimethylamine	0.0138	0.0603	0.0042	0.0000	0.1775	0.0763	0.0	0.0	0.0	0.0	0.2	0.1	0.3	0.6
Perchlorate	10.8	33.8	9.0	0.6	39.8	48.0	0.0	0.0	14.7	1.2	37.2	54.5	107.5	237.0
Tetrachloroethene	1.6	3.4	17.3	0.3	4.3	1.6	0.0	0.0	28.2	0.5	4.0	1.8	34.4	75.8
Trichloroethene	12.5	32.8	23.8	2.0	46.3	56.0	0.0	0.0	38.8	3.7	43.2	63.5	149.2	329.0
Total							**0.0**	**0.0**	**93.0**	**13.7**	**94.6**	**141.9**	**343.3**	**756.8**

Notes:
[1] - Average concentrations calculated using 0 ug/L for non-detects.
[2] - Chemical mass removed calculated by multiplying the average concentration from each extraction well by the total volume of water pumped from each well.

TABLE 6-13
2013 INFLUENT AND EFFLUENT AIR QUALITY DATA - SAN GABRIEL VALLEY WATER COMPANY B6 TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

	1,2-DCA 107-06-2 (ppbV)	Cis-1,2-DCE 156-59-2 (ppbV)	Carbon Tetra chloride 56-23-5 (ppbV)	Ethanol 64-17-5 (ppbV)	Acetone 67-64-1	Chloroform 67-66-3 (ppbV)	Benzene 71-43-2 (ppbV)	Chloro methane 74-87-3 (ppbV)	Chloroform 67-66-3 (ppbV)	Carbon Disulfide 75-15-0 (ppbV)	1,1-DCA 75-34-3 (ppbV)	1,1-DCE 75-35-4 (ppbV)	Freon-11 75-69-4 (ppbV)	Freon-12 75-71-8 (ppbV)	Chlorofluoroc arbon 76-13-1 (ppbV)	MEK 78-93-3 (ppbV)	TCE 79-01-6 (ppbV)
T1 Outlet of 2nd 20,000 lb Adsorber																	
01/09/2013	7.9	25	8.4	<11	<11	18	<2.2	<2.2	18	<11	4.4	8.2	<2.2	6.8	<2.2	<2.2	<2.2
02/14/2013	8.4	18	11	<11	<11	15	<2.2	<2.2	15	<11	3.2	5.2	<2.2	5.6	<2.2	<2.2	<2.2
02/14/2013	13	22	18	<5	<2	19	<0.5	0.71	19	<2	4.1	6.9	1.3	7.3	<1.5	<1.5	0.96
05/01/2013	<2.2	<2.2	<2.2	14	<11	<2.2	<2.2	<2.2	<2.2	<11	<2.2	<2.2	<2.2	8.5	<2.2	<2.2	2.4
07/10/2013	<2.2	7.6	<2.2	<11	<11	5.4	<2.2	<2.2	5.4	22	<2.2	12	<2.2	7.4	<2.2	<2.5	<2.2
09/04/2013	5.1	34	<2.3	<11	<13	23	<2.3	<2.3	23	31	5.3	38	<2.3	2.7	<2.3	2.7	<2.3
12/11/2013	5	17	3.1	<11	<11	18	<2.2	<2.2	18	<11	4.6	25	<2.2	<2.2	<2.2	<2.2	<2.2
T2 Outlet of 2nd 20,000 lb Adsorber																	
01/09/2013	<2	16	<2	<10	<10	10	<2	<2	10	<10	3.2	9	<2	7.4	<2	<2	<2
02/14/2013	2.6	23	6.2	<11	<11	16	<2.1	<2.1	16	<11	4.4	9.1	<2.1	7.6	<2.1	<2.1	<2.1
05/01/2013	<2.2	<2.2	<2.2	23	<11	<2.2	<2.2	<2.2	<2.2	<11	<2.2	<2.2	<2.2	6.7	<2.2	<2.2	<2.2
07/10/2013	<2.1	7.6	<2.1	<10	10	5.6	<2.1	<2.1	5.6	19	2.4	15	<2.1	7.2	<2.1	<2.1	<2.1
07/10/2013	<0.5	8.6	<0.5	<5	<2	5.1	<0.5	<0.5	5.1	<2	2.2	15	<1	5.5	<1.5	<1.5	1.5
09/04/2013	3.1	46	<2.1	<18	<11	25	<2.1	<2.1	25	18	6.4	47	<2.1	<2.1	<2.1	<2.1	<2.1
12/11/2013	11	42	42	<9.7	13	18	<1.9	<1.9	18	51	<1.9	11	<1.9	<1.9	<1.9	<1.9	<1.9
T3 Outlet of 2nd 20,000 lb Adsorber																	
05/01/2013	<2.3	5.9	<2.3	<11	<21	3.4	<2.3	<2.3	3.4	<11	<2.3	22	<2.3	5.1	<2.3	<2.3	5.2
06/26/2013	<2.2	11	<2.2	<11	<11	5.3	<2.2	<2.2	5.3	<11	<2.2	12	<2.2	4.3	<2.2	<2.2	3.7
07/10/2013	<2.2	15	<2.2	<11	<11	7.3	<2.2	<2.2	7.3	<11	2.5	15	<2.2	6.4	<2.2	<2.2	4.6
08/07/2013	<2	15	<2	<10	<10	7.8	<2	<2	7.8	<14	2	14	<2	5.3	<2	<2	4.3
11/20/2013	<2.2	9.7	4.2	<11	<11	4.6	<2.2	<2.2	4.6	<11	<2.2	9.4	<2.2	4.5	<2.2	<2.2	<2.2
11/20/2013	1.2	11	4.8	<5	<2	4.8	<0.5	0.81	4.8	<2	1.4	9.7	<1	4.1	<1.5	<1.5	0.91
T4 Outlet of 2nd 20,000 lb Adsorber																	
05/01/2013	<2.2	12	11	<11	<11	13	<2.2	<2.2	13	<11	6.5	38	4.1	6.3	10	<2.2	<2.2
05/22/2013	4.6	26	39	<9.7	<9.7	15	<1.9	<1.9	15	<9.7	3.1	21	<1.9	4.9	<1.9	<1.9	<1.9
06/26/2013	<2.1	<2.1	<2.1	<11	<11	<2.1	<2.1	<2.1	<2.1	17	<2.1	<2.1	<2.1	4.4	<2.1	2.1	<2.1
08/07/2013	<2.1	3.4	<2.1	<11	<11	<2.1	<2.1	<2.1	<2.1	<43	<2.1	15	<2.1	7.3	<2.1	<2.1	<2.1
11/20/2013	<2.2	4.2	<2.2	<11	<48	<2.2	<2.2	<2.2	<2.2	22	<2.2	10	<2.2	3.6	<2.2	<2.2	<2.2

Notes:

ppbV = parts per billion by volume.
All samples analyzed by method TO-15.
DCA = Dichloroethane
DCE = Dichloroethene
MEK = Methyl ethyl Ketone
TCE = Trichloroethene
The following compounds were not detected in any of the sampling events:

Ethyl benzene	O-Xylene	1,2-Dichloro-1,1,2,2-tetrafluoroethane	Chloroethane	4-Ethyl Toluene	Trans-1,2-DCE	1,2,4-Trichlorobenzene	1,4-Dioxane
1,3-Butadiene	Styrene	1,2-Dichlorobenzene	1,2-Dichloropropane	Vinyl Chloride	Methanol	MTBE	2,2,4-Trimethylpentane
Chlorobenzene	Allyl Chloride	Benzyl Chloride	1,2,4-Trimethylbenzene	1,1,2-TCA	Bromoform	Isopropyl Alcohol	Naphthalene
Chlorodibromomethane	THF	Acrylonitrile	Cis-1,3-Dichloropropene	1,2-Dibromo-3-chloropropane	1,1,2,2-TCA	Bromodichloromethane	Tetrachloroethene
1,3-DCB	m,p-Xylene	Hexane	Vinyl Acetate	Trans-1,3-Dichloropropene	1,2,3-Trichloropropane	Hexachlorobutadiene	
1,1,1-Trichloroethane	2-Hexanone	Ethyl Acetate	Cyclohexane	MIBK	1,4-DCB	EDB	
Dichloromethane	Bromomethane	Vinyl Bromide	Heptane	Propylene	1,3,5-Trimethylbenzene	Toluene	

TABLE 6-14
2013 AIR RISK AND HAZARD SUMMARY - SAN GABRIEL COUNTY WATER DISTRICT B6 TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

Date	MICR		Acute Hazard Index		Chronic Hazard Index		Cancer Burden	
ARAR	1.0 x 10-6		1.0		1.0		0.5	
	Estimated Annual Average[1]	Actual 52 Week Annual Rolling Maximum[2]	Estimated Annual Average[1]	Actual 52 Week Annual Rolling Maximum[3]	Estimated Annual Average[1]	Actual 52 Week Annual Rolling Maximum[2]	Estimated Annual Average[1]	Actual 52 Week Annual Rolling Maximum
January	0.70×10^{-6}	0.31×10^{-6}	2.27×10^{-3}	2.27×10^{-3}	3.07×10^{-4}	2.65×10^{-4}	- -	- -
February	1.09×10^{-6}	0.40×10^{-6}	2.88×10^{-3}	2.27×10^{-3}	4.79×10^{-4}	2.83×10^{-4}	2.94×10^{-5}	- -
March	NS	0.39×10^{-6}	NS	2.88×10^{-3}	NS	2.73×10^{-4}	- -	- -
April	NS	0.35×10^{-6}	NS	2.88×10^{-3}	NS	2.31×10^{-4}	- -	- -
May	1.51×10^{-6}	0.42×10^{-6}	1.55×10^{-3}	2.88×10^{-3}	9.98×10^{-4}	2.72×10^{-4}	2.66×10^{-4}	- -
June	0.06×10^{-6}	0.49×10^{-6}	3.14×10^{-4}	2.88×10^{-3}	7.28×10^{-5}	3.07×10^{-4}	- -	- -
July	0.19×10^{-6}	0.49×10^{-6}	1.22×10^{-3}	2.88×10^{-3}	2.40×10^{-4}	3.08×10^{-4}	- -	- -
August	0.20×10^{-6}	0.51×10^{-6}	1.27×10^{-3}	2.88×10^{-3}	3.18×10^{-4}	3.36×10^{-4}	- -	- -
September	0.35×10^{-6}	0.55×10^{-6}	1.96×10^{-3}	2.88×10^{-3}	3.07×10^{-4}	3.63×10^{-4}	- -	- -
October	NS	0.57×10^{-6}	NS	2.88×10^{-3}	NS	3.79×10^{-4}	- -	- -
November	0.10×10^{-6}	0.55×10^{-6}	1.89×10^{-4}	2.88×10^{-3}	1.13×10^{-4}	3.73×10^{-4}	- -	- -
December	1.11×10^{-6}	0.71×10^{-6}	1.78×10^{-4}	2.88×10^{-3}	5.98×10^{-4}	4.40×10^{-4}	7.12×10^{-5}	- -

Notes:
MICR - Maximum individual cancer risk.
ARAR - Applicable or relevant and appropriate requirements.
1. Estimated Annual Average is based on the most recent value.
2. Actual 52-Week Rolling Average MICR and Chronic Hazard Index are based on air sampling results collected over the previous 12 months.
3. Actual 52-Week Rolling Maximum Acute Hazard Index is based on the maximum value over the previous 12 months.
- - Not calculated because the MICR was less than 1 in 1 million

NS = No sampling was performed at SGVWC B6 for March and April. No sampling was required in October based on current sampling requirements for units in operation.

TABLE 6-15
2013 BRINE VAULT DATA
SAN GABRIEL VALLEY WATER COMPANY B6 TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

Date	Total Discharge (gallons)	Average Flowrate (gpm)	Max Flowrate (gpm)
January	3,834,528	86	192
February	3,581,389	89	192
March	651,880	14	192
April	45,035	1	49
May	7,123	0	2
June	22,950	1	2
July	1,175	0	143
August	0	0	0
September	0	0	0
October	14	0	0
November	0	0	0
December	0	0	0

Notes:
Total annual discharge is 8,144,094 gallons.
gpm - Gallons per minute.
NR = Not recorded. No longer required by permit.

TABLE 6-16
2013 INFLUENT AND EFFLUENT WATER QUALITY DATA - SAN GABRIEL VALLEY WATER COMPANY B5 TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

Analyte Name	Ethyl benzene	1,2-Dichloro ethane	Toluene	1,4-Dioxane	Tetra chloro ethene	Perchlorate	Cis-1,2-Dichloro ethene	Trans-1,2-Dichloro ethene	Carbon Tetra chloride	NDMA	Chloroform	Benzene	1,1,1-Trichloro ethane	Methylene Chloride	1,1-Dichloro ethane	1,1-Dichloro ethene	Tri chloro ethene	Nitrate As NO3	Xylenes (Total)	1,2,3-Trichloro propane
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	MG/L	UG/L	UG/L
Regulatory Limits																				
MCL/NL*/SMCL**	700	0.5	150	1*	5	6	6	10	0.5	0.01*	100	1	200	5	5	6	5	45	1750	0.005*
Design Concentrations																				
Maximum	5	5	5	5	50	200	5	5	5	0.9	5	5	5	5	5	5	50	--	5	--
Expected Average	0.49	3.37	0.65	2.12	2.58	79.83	1.03	0.37	2.86	0.59183	1.91	0.26	0.32	0.51	0.48	0.45	26.74	--	0.83	--
Well B5B																				
01/02/13	<0.50	0.24 J	<0.50	<0.50	1.8	8.6	<0.50	<0.50	0.26 J	0.017	0.37 J	<0.50	<0.50	<0.50	<0.50	0.35 J	3.4	52 J	<0.50	<0.50
02/04/13	<0.50	0.25 J	<0.50	0.56	1.8	8.2	<0.50	<0.50	0.28 J	0.013	0.27 J	<0.50	<0.50	<0.50	<0.50	0.30 J	3.2	49	<0.50	<0.50
03/06/13	<0.50	<0.50	<0.50	0.54	2.6	9	<0.50	<0.50	0.34 J	0.0085	<0.50	<0.50	<0.50	<0.50	<0.50	0.36 J	3.6	50	<0.50	<0.50
04/02/13	<0.50	0.24 J	<0.50	<0.50	2.2	8.5	<0.50	<0.50	0.32 J	0.011	<0.50	<0.50	<0.50	<0.50	<0.50	0.36 J	3.4	51	<0.50	<0.50
05/14/13	<0.50	<0.50	<0.50	<0.50	1.8	9.2	<0.50	<0.50	0.26 J	0.013	0.41 J	<0.50	<0.50	<0.50	<0.50	0.32 J	2.9	50	<0.50	<0.50
05/16/13	<0.50	<0.50	<0.50	--	2	--	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	--	<0.50	<0.50
06/04/13	<0.50	<0.50	<0.50	0.55	2	10	<0.50	<0.50	0.29 J	0.013	0.36 J	<0.50	<0.50	<0.50	<0.50	0.38 J	2.9	49	<0.50	<0.50
07/02/13	<0.50	0.28 J	<0.50	<0.50	2.7	9.8	<0.50	<0.50	0.29 J	0.011	0.7	<0.50	<0.50	<0.50	<0.50	0.37 J	3.5	49	<0.50	<0.50
08/07/13	<0.50	0.21 J	<0.50	<0.50	1.9	9.5	<0.50	<0.50	0.28 J	0.013	0.25 J	<0.50	<0.50	<0.50	<0.50	0.24 J	3	51	<0.50	<0.50
09/04/13	<0.50	0.23 J	<0.50	<0.50	2.5	11	<0.50	<0.50	0.24 J	0.014	0.25 J	<0.50	<0.50	<0.50	<0.50	0.28 J	3	51	<0.50	<0.50
10/02/13	<0.50	0.27 J	<0.50	<0.50	2.2	11	<0.50	<0.50	0.35 J	0.017	0.87	<0.50	<0.50	<0.50	<0.50	0.32 J	3.6	50 J	<0.50	<0.50
11/05/13	<0.50	0.21 J	<0.50	<0.50	2.5	11	<0.50	<0.50	0.24 J	0.012	0.7	<0.50	<0.50	<0.50	<0.50	0.32 J	3.3	52	<0.50	<0.50
12/02/13	<0.50	0.23 J	<0.50	<0.50	2.6	10	<0.50	<0.50	0.21 J	0.013	0.73	<0.50	<0.50	<0.50	<0.50	0.30 J	3.2	52	<0.50	<0.50
Well B5D 01/00/00																				
01/02/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	0.88	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	3.7 J	<0.50	<0.50
02/04/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	0.82	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	3.6	<0.50	<0.50
03/06/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	0.92	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	3.4	<0.50	<0.50
04/02/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	0.98	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	4.6	<0.50	<0.50
05/14/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	0.82	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	4.2	<0.50	<0.50
05/16/13	<0.50	<0.50	<0.50	--	<0.50	--	<0.50	<0.50	0.81	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50
06/04/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	0.82	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	3.9	<0.50	<0.50
07/02/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	0.83	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	4	<0.50	<0.50
08/07/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	0.85	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	3.9	<0.50	<0.50
09/04/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	0.78	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	3.7	<0.50	<0.50
10/02/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	1.1	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	3.8 J	<0.50	<0.50
11/05/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	0.81	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	4.6	<0.50	<0.50
12/02/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	0.74	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	4.7	<0.50	<0.50
Well B5E																				
01/02/13	<0.50	0.86	<0.50	0.52	2.3	15	0.91	<0.50	2.8	0.15	0.31 J	<0.50	<0.50	<0.50	<0.50	0.74	15	19 J	<0.50	<0.50
02/04/13	<0.50	0.86	<0.50	0.57	2.1	15	0.86	<0.50	2.8	0.11	0.31 J	<0.50	<0.50	<0.50	<0.50	0.72	14	20	<0.50	<0.50
03/06/13	<0.50	0.92	<0.50	36	2.8	14	0.87	<0.50	3.4	0.096	<0.50	<0.50	<0.50	<0.50	<0.50	0.68	16	19	<0.50	<0.50
04/02/13	<0.50	0.82	<0.50	<0.50	2.7	15	1.1	<0.50	3.3	0.12	<0.50	<0.50	<0.50	<0.50	<0.50	0.89	18	19	<0.50	<0.50
05/14/13	<0.50	<0.50	<0.50	<0.50	2.3	13	0.72	<0.50	2.7	0.11	0.44 J	<0.50	<0.50	<0.50	<0.50	0.81	15	18	<0.50	<0.50

TABLE 6-16
2013 INFLUENT AND EFFLUENT WATER QUALITY DATA - SAN GABRIEL VALLEY WATER COMPANY B5 TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

	Analyte Name	Ethyl benzene	1,2-Dichloro ethane	Toluene	1,4-Dioxane	Tetra chloro ethene	Perchlorate	Cis-1,2-Dichloro ethene	Trans-1,2-Dichloro ethene	Carbon Tetra chloride	NDMA	Chloroform	Benzene	1,1,1-Trichloro ethane	Methylene Chloride	1,1-Dichloro ethane	1,1-Dichloro ethene	Tri chloro ethene	Nitrate As NO3	Xylenes (Total)	1,2,3-Trichloro propane
	Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	MG/L	UG/L	UG/L
	05/16/13	<0.50	0.77	<0.50	--	2.4	--	0.88	<0.50	2.6	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	0.71	14	--	<0.50	<0.50
	06/04/13	<0.50	<0.50	<0.50	0.52	2.4	17	0.76	<0.50	2.6	0.11	0.34 J	<0.50	<0.50	<0.50	<0.50	0.79	14	18	<0.50	<0.50
	07/02/13	<0.50	1.4	<0.50	<0.50	2.1	20	0.31 J	<0.50	1.2	0.12	0.52	<0.50	<0.50	<0.50	<0.50	0.29 J	14	21	<0.50	<0.50
	08/07/13	<0.50	0.92	<0.50	<0.50	2.5	17	1	<0.50	3	0.13	0.36 J	<0.50	<0.50	<0.50	<0.50	0.73	16	19 J	<0.50	<0.50
	09/04/13	<0.50	0.84	<0.50	<0.50	3.2	18	0.93	<0.50	2.4	0.075	0.35 J	<0.50	<0.50	<0.50	<0.50	0.82	15	20	<0.50	<0.50
	10/02/13	<0.50	1.1	<0.50	<0.50	3	19	1.1	<0.50	3.4	0.1	0.96	<0.50	<0.50	<0.50	<0.50	0.89	19	19 J	<0.50	<0.50
	11/05/13	<0.50	0.78	<0.50	<0.50	3.2	18	0.99	<0.50	2.5	0.058	0.75	<0.50	<0.50	<0.50	<0.50	0.79	17	19	<0.50	<0.50
	12/02/13	<0.50	0.94	<0.50	<0.50	3.5	17	0.96	<0.50	2.4	0.06	0.79	<0.50	<0.50	<0.50	0.12 J	0.85	17	19	<0.50	<0.50
COI #5																					
	01/02/13	<0.50	<0.50	<0.50	<0.50	5.8	4.3	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	0.9	2.8	31	<0.50	<0.50
	02/04/13	<0.50	<0.50	<0.50	<0.50	4.8	4.1	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	0.98	2.7	28	<0.50	<0.50
	02/25/13	<0.50	<0.50	<0.50	--	5.8	--	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	3	--	<0.50	<0.50
	03/06/13	<0.50	<0.50	<0.50	<0.50	6.7	4.6	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	3.4	27	<0.50	<0.50
	04/03/13	<0.50	<0.50	<0.50	<0.50	6.1	4.7	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	3	29	<0.50	<0.50
	05/14/13	<0.50	<0.50	<0.50	<0.50	5.4	3.3	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	2.8	27	<0.50	<0.50
	06/04/13	<0.50	<0.50	<0.50	<0.50	5.8	4.9	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	2.8	31	<0.50	<0.50
	07/02/13	<0.50	<0.50	<0.50	<0.50	7.4	4.5	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	3.2	28	<0.50	<0.50
	07/25/13	<0.50	<0.50	<0.50	--	6.3	--	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	3	--	<0.50	<0.50
	08/07/13	<0.50	<0.50	<0.50	<0.50	6.7	4.9	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	2.9	28	<0.50	<0.50
	09/04/13	<0.50	<0.50	<0.50	<0.50	7.4	4.3	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	3.1	30	<0.50	<0.50
	10/02/13	<0.50	<0.50	<0.50	<0.50	7.8	5.1	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	3.1	27	<0.50	<0.50
	11/05/13	<0.50	<0.50	<0.50	<0.50	6.9	4	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	3.1	28	<0.50	<0.50
	12/02/13	<0.50	<0.50	<0.50	<0.50	7.2	4.4	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	3	29	<0.50	<0.50
B5 Fully Treated																					
	01/02/13	<0.50	0.31 J	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	0.0023	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	35 J	<0.50	<0.50
	01/10/13	<0.50	0.20 J	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	14	<0.50	<0.50
	01/14/13	<0.50	0.17 J	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	12	<0.50	<0.50
	01/24/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	33	<0.50	<0.50
	01/28/13	<0.50	<0.50	<0.50	0.53	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	33 J	<0.50	<0.50
	02/04/13	<0.50	<0.50	<0.50	0.52	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	34	<0.50	<0.50
	02/12/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	0.0022	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	34	<0.50	<0.50
	02/20/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	14	<0.50	<0.50
	02/26/13	<0.50	0.13 J	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<0.50	<0.50
	03/06/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	29	<0.50	<0.50
	03/12/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	35	<0.50	<0.50
	03/18/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	0.0028	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	38	<0.50	<0.50
	03/25/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	0.0022	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	35	<0.50	<0.50
	04/02/13	<0.50	0.13 J	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	0.0023	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	34	<0.50	<0.50
	04/08/13	<0.50	0.17 J	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	34	<0.50	<0.50

TABLE 6-16
2013 INFLUENT AND EFFLUENT WATER QUALITY DATA - SAN GABRIEL VALLEY WATER COMPANY B5 TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

Analyte Name	Ethyl benzene	1,2-Dichloro ethane	Toluene	1,4-Dioxane	Tetra chloro ethene	Perchlorate	Cis-1,2-Dichloro ethene	Trans-1,2-Dichloro ethene	Carbon Tetra chloride	NDMA	Chloroform	Benzene	1,1,1-Trichloro ethane	Methylene Chloride	1,1-Dichloro ethane	1,1-Dichloro ethene	Tri chloro ethene	Nitrate As NO3	Xylenes (Total)	1,2,3-Trichloro propane
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	MG/L	UG/L	UG/L
04/15/13	<0.50	0.24 J	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	35	<0.50	<0.50
04/22/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	35	<0.50	<0.50
04/29/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	33	<0.50	<0.50
05/08/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	31	<0.50	<0.50
05/14/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<0.50	<0.50
05/16/13	<0.50	<0.50	<0.50	--	<0.50	--	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50
05/20/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	34	<0.50	<0.50
05/28/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	0.0022	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	33	<0.50	<0.50
06/04/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<0.50	<0.50
06/11/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	34	<0.50	<0.50
06/17/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	0.13 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	33	<0.50	<0.50
06/24/13	<0.50	0.37 J	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	33	<0.50	<0.50
07/02/13	<0.50	0.47 J	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	0.22 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<0.50	<0.50
07/09/13	<0.50	0.32 J	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	33	<0.50	<0.50
07/17/13	<0.50	0.22 J	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	31	<0.50	<0.50
07/24/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<0.50	<0.50
07/29/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<0.50	<0.50
08/07/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	33 J	<0.50	<0.50
08/12/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	33	<0.50	<0.50
08/19/13	--	--	--	<0.50	--	<2.0	--	--	--	<0.002	--	--	--	--	--	--	--	32	--	--
08/26/13	--	--	--	<0.50	--	<2.0	--	--	--	<0.002	--	--	--	--	--	--	--	33	--	--
09/04/13	--	--	--	<0.50	--	<2.0	--	--	--	<0.002	--	--	--	--	--	--	--	34	<0.0050	<0.0050
09/09/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	32 J	<0.50	<0.50
09/16/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	31	<0.50	<0.50
09/23/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	0.16 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<0.50	<0.50
10/02/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	0.18 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	32 J	<0.50	<0.50
10/07/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	0.16 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	33	<0.50	<0.50
10/15/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	36	<0.50	<0.50
10/22/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	36	<0.50	<0.50
10/28/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	35	<0.50	<0.50
11/05/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	34	<0.50	<0.50
11/13/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	34	<0.50	<0.50
11/18/13	<0.50	0.14 J	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	0.19 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	33	<0.50	<0.50
11/26/13	<0.50	0.20 J	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	0.30 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	24	<0.50	<0.50
12/02/13	<0.50	0.26 J	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	0.34 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	34	<0.50	<0.50
12/10/13	<0.50	0.23 J	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	0.28 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<0.50	<0.50
12/17/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	0.17 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	16	<0.50	<0.50
12/23/13	<0.50	0.14 J	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	0.23 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	11	<0.50	<0.50
12/31/13	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.002	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	15	<0.50	<0.50

TABLE 6-16
2013 INFLUENT AND EFFLUENT WATER QUALITY DATA - SAN GABRIEL VALLEY WATER COMPANY B5 TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

Analyte Name	Ethyl benzene	1,2-Dichloro ethane	Toluene	1,4-Dioxane	Tetra chloro ethene	Perchlorate	Cis-1,2-Dichloro ethene	Trans-1,2-Dichloro ethene	Carbon Tetra chloride	NDMA	Chloroform	Benzene	1,1,1-Trichloro ethane	Methylene Chloride	1,1-Dichloro ethane	1,1-Dichloro ethene	Tri chloro ethene	Nitrate As NO3	Xylenes (Total)	1,2,3-Trichloro propane
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	MG/L	UG/L	UG/L

Notes:

MCL - Maximum contaminant level.
SMCL - Secondary maximum contaminant level.
Chloroform MCL based on MCL for trihalomethanes.
NL - Notification Level.
NA - Not analyzed or data not available.
U - Not detected (Detection limit reported).
J - Reported value is the approximate concentration of the analyte in the sample.
* - Analysis by EPA Method 8270C
NDMA = N-Nitrosodimethylamine

TABLE 6-17
2013 CHEMICAL MASS REMOVED - SAN GABRIEL VALLEY WATER COMPANY B5 TREATMENT PLANT
Baldwin Park Operable Unit
San Gabriel Valley, California

	2012 Average Concentrations (µg/L)[1]				Chemical Mass Removed [2] (kg)				Total Mass Removed	
Compound	**Well B5B**	**Well B5D**	**Well B5E**	**COI #5**	**Well B5B**	**Well B5D**	**Well B5E**	**COI #5**	(kg)	(lb)
1,2-Dichloroethane	0.2	0.0	0.8	0.0	0.9	0.0	4.6	0.0	5.5	12.14
1,4-Dioxane	0.1	0.0	2.9	0.0	0.7	0.0	17.1	0.0	17.7	39.13
Carbon tetrachloride	0.3	0.9	2.7	0.0	1.4	0.5	15.9	0.0	17.8	39.22
Chloroform	0.4	0.0	0.4	0.0	2.0	0.0	2.3	0.0	4.3	9.50
N-Nitrosodimethylamine	0.0	0.0	0.1	0.0	0.1	0.0	0.6	0.0	0.6	1.4
Perchlorate	8.9	0.0	15.2	3.8	46.7	0.0	89.9	8.6	145.3	320.3
Tetrachloroethene	2.2	0.0	2.7	6.4	11.5	0.0	15.7	14.6	41.8	92.3
Trichloroethene	3.2	0.0	15.7	3.0	16.9	0.0	92.7	6.8	116.4	256.6
Total					**80.1**	**0.5**	**238.8**	**30.1**	**349.5**	**770.5**

Notes:

[1] - Average concentrations calculated using 0 ug/L for non-detects.

[2] - Chemical mass removed calculated by multiplying the average concentration from each extraction well by the total volume of water pumped from each well.

TABLE 6-18
2004 - 2013 TOTAL CHEMICAL MASS REMOVED BY YEAR
Baldwin Park Operable Unit
San Gabriel Valley, California

Year	VCWD			LPVCWD			SGVWC B6			SGVWC B5			Total		
	Mass Removed[1]	Average Extraction Rate[2]	Pounds Removed per 1000 gpm	Mass Removed[1]	Average Extraction Rate[2]	Pounds Removed per 1000 gpm	Mass Removed[1]	Average Extraction Rate[2]	Pounds Removed per 1000 gpm	Mass Removed[1]	Average Extraction Rate[2]	Pounds Removed per 1000 gpm	Mass Removed[1]	Average Extraction Rate[2]	Pounds Removed per 1000 gpm
2004	- -	- -	- -	680	1,724	394	- -	- -	- -	- -	- -	- -	680	1,724	394
2005	350	403	868	1,135	2,283	497	686	2,106	326	- -	- -	- -	2,171	4,792	453
2006	2,117	2,659	796	587	1,887	311	1,593	6,174	258	- -	- -	- -	4,297	10,720	401
2007	4,725	4,963	952	1,010	2,449	412	2,302	7,235	318	119	2,455	48	8,156	17,102	477
2008	3,639	4,869	747	896	2,326	385	2,392	6,443	371	421	5,635	75	7,348	19,273	381
2009	7,424	5,092	1,458	612	2,295	267	1,553	4,694	331	427	6,294	68	10,016	18,375	545
2010	6,384	4,262	1,498	658	2,288	288	1,743	4,531	385	455	6,833	67	9,240	17,914	516
2011	7,024	4,149	1,693	639	2,271	281	2,036	5,302	384	526	7,170	73	10,225	18,892	541
2012	4,352	5,301	821	472	2,127	222	1,099	2,980	369	604	7,569	80	6,526	17,977	363
2013	1,675	2,972	564	359	2,192	164	757	2,784	272	770	7,036	109	3,561	14,984	238
Total	**37,690**			**7,048**			**14,161**			**3,322**			**62,221**		

Notes:
[1]=Mass removed in pounds.
[2] = Extraction rate in gallons per minute.
gpm = gallons per minute.