

APPENDIX C

IDW AND SAMPLE ANALYSIS DOCUMENTATION

Analytical Results from IDW Samples (Laboratory Reports Available on CD, by Request)

Water																												
Tank ID	Sample ID	Sample Date	Volatile Organic Compounds EPA 8260B (µg/L)	Semivolatile Organic Compounds EPA 8270C (µg/L)	Title 26 Metals plus Hexavalent Chromium and Strontium (mg/L) EPA 6010/7000																		Perchlorate EPA 314.0 (µg/L)	Cyanide EPA 4500 CN (mg/L)	TPH-E (Diesel) EPA 8015B (mg/L)	TPH-E (Jet Fuel) EPA 8015B (mg/L)	TPH-E (Oil) EPA 8015B (mg/L)	
					Sb	As	Ba	Be	Cd	Cr	Cr(VI)	Cu	Co	Pb	Mo	Hg	Ni	Se	Ag	Sr	Tl	V						Zn
BT-1517	BT1517-102604	10/26/2004	ND	ND	<0.0050	<0.0050	0.046	<0.0040	<0.0050	<0.0050	<0.001	<0.010	<0.005	<0.005	0.01	<0.0010	<0.0050	<0.0050	<0.0050	0.49	0.0081	<0.0050	<0.10	12	<0.005	<0.050	<0.050	<0.5
BT1717N	BT717N-102804	10/28/2004	ND	ND	<0.0050	<0.0050	0.073	<0.0040	<0.0050	0.0052	<0.001	<0.010	<0.005	<0.005	0.0062	<0.0010	0.0051	<0.0050	<0.0050	0.58	0.0029	0.0075	0.22	12	<0.005	<0.050	<0.050	<0.5
BT576D	576D-112204	11/22/2004	ND	ND	<0.0050	<0.0050	0.047	<0.0040	<0.0050	<0.0050	<0.001	<0.010	<0.0050	<0.0050	0.0078	<0.0010	0.0068	<0.0050	<0.0050	0.55	<0.0050	<0.0050	<0.10	13	<0.005	<0.050	<0.050	<0.5
Soil																												
Bin ID	Sample ID	Sample Date	Volatile Organic Compounds EPA 8260B (µg/kg)	Semivolatile Organic Compounds EPA 8270C (µg/kg)	Title 26 Metals plus Hexavalent Chromium and Strontium (mg/kg) EPA 6010/7000																		Cyanide EPA 4500 CN (mg/kg)	TPH-E (Diesel) EPA 8015B (mg/kg)	TPH-E (Jet Fuel) EPA 8015B (mg/kg)	TPH-E (Oil) EPA 8015B (mg/kg)		
					Sb	As	Be	Cd	Cr	Cr(VI)	Cu	Pb	Hg	Ni	Se	Ag	Sr	Tl	Zn									
Bin 1 - R18116RT	BIN 1	9/28/2004	ND	ND	<1.0	1.5	<1.0	<1.0	8.3	<0.10	6.5	3.0	<0.20	4.2	<1.0	<1.0	22	<1.0	26	<0.5	<5.0	<5.0	<10	<0.5	<5.0	<5.0	<10	
Bin 2 - R18099RT	BIN 2	9/28/2004	ND	ND	<1.0	<1.0	<1.0	<1.0	4.9	<0.10	5.9	2.2	<0.20	2.7	<1.0	<1.0	17	<1.0	24	<0.5	<5.0	<5.0	<10	<0.5	<5.0	<5.0	<10	
Bin 3 - Black EFR	BIN 3	9/28/2004	ND	ND	<1.0	<1.0	<1.0	<1.0	5.7	<0.10	7.5	3.1	<0.20	3.5	<1.0	<1.0	24	<1.0	30	<0.5	<5.0	<5.0	<10	<0.5	<5.0	<5.0	<10	
Bin 4 - R2037RT	BIN 4	10/26/2004	ND	ND	<1.0	3.2	<1.0	<1.0	7.5	<0.01	9.9	18	0.85	5.7	<1.0	<1.0	35	<1.0	87	<0.5	<5.0	<5.0	<10	<0.5	<5.0	<5.0	<10	
Bin 5 - R2135	BIN 5	10/26/2004	ND	ND	<1.0	2.8	<1.0	<1.0	180	<0.01	9.3	24	0.80	330	<1.0	<1.0	<10	<1.0	48	<0.5	<5.0	<5.0	<10	<0.5	<5.0	<5.0	<10	
Bin 6 - Blue EFR	BIN 6	10/26/2004	ND	ND	<1.0	4.2	<1.0	<1.0	11	<0.01	14	11	0.86	8.2	<1.0	<1.0	<10	<1.0	51	<0.5	<5.0	<5.0	<10	<0.5	<5.0	<5.0	<10	
Bin 7 - 1992RT	BIN 7	10/26/2004	ND	ND	<1.0	<1.0	<1.0	<1.0	<1.0	<0.01	<2.0	7.4	0.68	1.8	<1.0	<1.0	<10	<1.0	<20	<0.5	<5.0	<5.0	<10	<0.5	<5.0	<5.0	<10	

Initial Sampling Analytical Results (Laboratory Reports Available on CD, by Request)

Sample Location	Sample ID	Sample Date	Volatile Organic Compounds EPA 524.2 (µg/L)	Perchlorate EPA 314.0 (µg/L)	Metals EPA 200.8 (mg/L)							Cr VI EPA 7196A/7199 (µg/L)	Anions EPA 300.0/9056 (mg/L)			1,2,3-Trichloropropane CA DHS (µg/L)	1,4 Dioxane EPA 8260B (µg/L)	Nitrosamines EPA 8270C (µg/L)	TDS EPA 160.1 (mg/L)	Alkalinity (as CaCO3) EPA 310.1 (mg/L)
					Na	Mg	K	Ca	Cr	As	Pb		Cr(VI)	Cl	NO ₃					
City of Pasadena Fire Hydrant (Source Water)	CPHYDRANT-92204	9/22/2004	Chloroform = 11 ⁽³⁾ Bromodichloromethane = 15 ⁽³⁾ Dibromochloromethane = 16 ⁽³⁾ Bromoform = 4.2 ⁽³⁾	<2.0																
MW25 Zone 1 (355'-365')	MW25-355-365	11/4/2004	<0.500 (Chloroform = 0.720)	13	31	22	2.6	74	<0.005	<0.005	<0.005	<20	42	11	77	<0.005	<3.0	<50 ⁽²⁾	440	200
	MW25-355-365	12/21/2004	<0.500	8.1	81	7.9	2.6	26	<0.005	<0.005	<0.005	<1.0 ⁽¹⁾⁽²⁾	22	<0.25 ⁽²⁾	84	<0.005	<3.0	<50	330	150
MW25 Zone 2 (420'-430')	MW25-420-430	11/4/2004	<0.500 (Chloroform = 0.790)	13	31	22	2.3	72	<0.005	<0.005	<0.005	<20	43	10	80	<0.005	<3.0	<50 ⁽²⁾	450	200
	MW25-420-430	12/21/2004	<0.500	12	56	20	3	65	<0.005	<0.005	<0.005	<1.0 ⁽¹⁾⁽²⁾	31	5.5 ⁽²⁾	66	<0.005	<3.0	<50	410	210
MW25 Zone 3 (500'-510')	MW25-500-510	11/5/2004	<0.500 (Chloroform = 0.850)	13	31	21	2.4	74	<0.005	<0.005	<0.005	<20 ⁽²⁾	42	10 ⁽²⁾	76	0.0055	<3.0	<50 ⁽²⁾	440	210
	MW25-500-510	12/21/2004	<0.500 (Chloroform = 0.650)	8.7	49	23	3.5	54	<0.005	<0.005	<0.005	<1.0 ⁽¹⁾⁽²⁾	30	9.4 ⁽²⁾	61	<0.005	<3.0	<50	380	170
MW25 Zone 4 (630'-640')	MW25-630-640	11/5/2004	<0.500 (Chloroform = 0.860)	13	32	23	2.5	77	<0.005	<0.005	<0.005	<20 ⁽²⁾	44	10 ⁽²⁾	79	<0.005	<3.0	<50 ⁽²⁾	450	210
	MW25-630-640	12/20/2004	<0.500	8.1	77	22	3.2	26	<0.005	<0.005	<0.005	<1.0 ⁽¹⁾⁽²⁾	34	5.4 ⁽²⁾	98	<0.005	<3.0	<50	360	90
MW25 Zone 5 (710'-720')	MW25-710-720	11/8/2004	<0.500 (Chloroform = 0.920)	13	30	21	2.4	70	<0.005	<0.005	<0.005	<20	39	9.6	76	<0.005	<3.0	<50	440	200
	MW25-710-720	12/20/2004	<0.500	<2.0	32	32	2.9	100	0.016	<0.005	<0.005	<1.0 ⁽¹⁾⁽²⁾	68	12 ⁽²⁾	130	<0.005	<3.0	<50	550	160

(1) Sample was analyzed by EPA Method 7199
(2) Sample was analyzed outside of the holding time.
(3) Sample was analyzed by EPA Method 8260B
Detections are in bold.
NA = Not analyzed or list not reported.
VOCs include Carbon Tetrachloride at <0.500 µg/L.