

**TABLE 1**  
**CHEVRON PIPE LINE - RED BUTTE RELEASE**  
**FIRST QUARTERLY SAMPLING EVENT - AUGUST 2011**  
 Data Summary by Sample ID and Media  
 Detections Only  
**PARTIAL**

Soil Type	RBC 900 E	bank	RBC 1100 E	bank	RBC 1300 E	bank	RBC 1500 E	bank	RBC Cg Satiation	bank	water	RBC 173E 900S	bank	RBC Abw Snysd	bank	RBC Mnt Olivt Dy	bank	RBC Above Ft HI	bank	RBC Marriot	bank	RBC Below Chpt	bank	RBC Above Amp	bank	RBC Undrflw Dm	Bank	MC Below 700E	Bank	MC Below Hillnd	Bank	CC Blw N Cym Ip	Bank	CC Cym Ent		
	bed Brown sand w/gravel	Brown silty sand	bed Brown sand w/gravel	Dark brown sandy clay	bed Brown clayey sand	Brown silty sand	Brown sand	Brown sandy clay	bed Brown sand w/gravel	bank Brown clayey sand	N/A	bed Brown sand w/gravel	bank Brown clayey sand	bed Brown sand w/gravel	bank Brown clayey sand	bed Brown sand w/gravel	bank Brown clayey sand	bed Brown sand w/gravel	Brown sandy clay	Brown sand	bank Brown clayey sand	bed Brown sand w/clay and	Bank Brown sandy clay	bed Brown clayey sand	bank Brown clayey sand	Bed Brown silty sand w/gravel	Bank Brown sandy clay	Dark brown silty sand	Bank Dark brown sandy clay	Bed Brown sand w/gravel	Bank Brown silty sand	Brown silty sand	Brown silty sand	Bed Brown sand w/gravel		
TOC																																				
ORO mg/kg dry	51.3	51	55.2	56.5	60.1	165	124	129	115	122		88.2	142	60.8	141	71.6	71	100	66.2	116	86.8	114	61.6	44.5	64.2	38.5	71.2	113-186	254-258	54.9	308	53.7	50.5	29.5		
ORO mg/kg dry	30.5	37.6	58.8	109	84.5	132	163	163	37	106		109	111	135		74.3	77.7	52.4	108	50.6	199	61.7		83.2	31	47.5	64.2-161	180-214		125	81	31.4				
1-Methylnaphthalene ug/kg dry																																				
2-Methylnaphthalene ug/kg dry																																				
Acenaphthene ug/kg dry																																				
Acenaphthylene ug/kg dry																																				
Anthracene ug/kg dry																																				
Benz(a)anthracene ug/kg dry																																				
Benzo(a)pyrene ug/kg dry																																				
Benzo(b)fluoranthene ug/kg dry																																				
Benzo(g,h)perylene ug/kg dry																																				
Benzo(k)fluoranthene ug/kg dry																																				
Chrysene ug/kg dry	25.4	22.9	29.6	64.3		57	32.9	297		42		27.8	140		37.3		77.7																			
Dibenz(a,h)anthracene ug/kg dry																																				
Fluoranthene ug/kg dry	25.4	28.3	42.8	96.5	30.2	81.8	44.2	533-578		45.3			702-580		129																					
Fluorene ug/kg dry																																				
Indene ug/kg dry																																				
Indeno(1,2,3-cd)pyrene ug/kg dry																																				
Naphthalene ug/kg dry																																				
Phenanthrene ug/kg dry																																				
Pyrene ug/kg dry	35.8	29.7	54.3	94	36.6	73.5	43.3	487-648		51.1			602-597		121																					
bis(2-ethylhexyl)phthalate ug/kg dry																																				
bis(2-ethylhexyl)adipate ug/kg dry	759																																			
Chloroform ug/kg dry																																				
m,p-Xylene ug/kg dry																																				
Tetrachloroethene ug/kg dry																																				
Toluene ug/kg dry																																				
Xylene, Total ug/kg dry																																				
Isopropyltoluene ug/kg dry																																				
Acetone ug/kg dry																																				
o-Xylene ug/kg dry																																				
Benzoic acid																																				
Phenol																																				
Methylene chloride																																				
Coal Tar Oil mg/kg dry																																				
Dio-n-octyl phthalate																																				

**NOTE:** This is a partial list of data received as of October 7, 2011. This tabulation was prepared as a guide for interpretation of the results. Final validation is awaiting complete data set. There may be discrepancies between the values on this table and the lab certificates.

All results are reported on dry weight basis unless noted. Different methods report in different units, note mg/kg or ug/kg in column heading



TABLE 2 CHEVRON PIPE LINE - RED BUTTE RELEASE FIRST QUARTERLY SAMPLING EVENT - AUGUST 2011 Data Summary by Sample Location Detections Only PARTIAL		
<b>Red Butte Creek Below 900 East</b>		
Soil Type	Bed Brown sand w/gravel	Bank Brown silty sand
DRO mg/kg-dry	51.3	51.0
ORO mg/kg-dry		30.5
Chrysene ug/kg-dry	25.4	22.9
Fluoranthene ug/kg-dry	25.4	28.3
Pyrene ug/kg-dry	35.8	29.7
bis(2-ethylhexyl)adipate ug/kg-dry	759	
<b>Red Butte Creek Below 1100 East</b>		
Soil Type	Bed Brown sand w/gravel	Bank Dark brown sandy clay
DRO mg/kg-dry	55.2	56.5
ORO mg/kg-dry	37.6	58.8
Benz(a)anthracene ug/kg-dry		51.6
Benzo(a)pyrene ug/kg-dry		42.3
Chrysene ug/kg-dry	29.6	64.3
Fluoranthene ug/kg-dry	42.8	96.5
Phenanthrene ug/kg-dry	45.2	50
Pyrene ug/kg-dry	54.3	94
Chloroform ug/kg-dry		3.47
Tetrachloroethene ug/kg-dry	6.93	3.54
Toluene ug/kg-dry		5.41
Xylene, Total ug/kg-dry		6.02
<b>Red Butte Creek Below 1300 East</b>		
Soil Type	Bed Brown clayey sand w/gravel	Bank Brown silty sand
DRO mg/kg-dry	60.1	165
ORO mg/kg-dry	109	84.5
Benz(a)anthracene ug/kg-dry		37.7
Benzo(a)pyrene ug/kg-dry		40.4
Benzo(b)fluoranthene ug/kg-dry		54.2
Benzo(g,h,i)perylene ug/kg-dry		27.6
Chrysene ug/kg-dry		57
Fluoranthene ug/kg-dry	30.2	81.8
Phenanthrene ug/kg-dry	17.4	33.1
Pyrene ug/kg-dry	36.6	73.5
bis(2-ethylhexyl)adipate ug/kg-dry		1040

Red Butte Creek Above 1500 East			
Soil Type	Bed Brown sand	Bank Brown sandy clay	
DRO mg/kg-dry	124	129	
ORO mg/kg-dry	132	163	
Anthracene ug/kg-dry		58.4	
Benz(a)anthracene ug/kg-dry		267	
Benzo(a)pyrene ug/kg-dry	26	187	
Benzo(b)fluoranthene ug/kg-dry		288	
Bernzo(k)fluoranthene ug/kg-dry		105	
Chrysene ug/kg-dry	32.9	257	
Fluoranthene ug/kg-dry	44.2	533-578	
Indeno(1,2,3-cd)pyrene ug/kg-dry		96.1	
Phenanthrene ug/kg-dry		284	
Pyrene ug/kg-dry	43.3	487-648	
bis(2-ethylhexyl) phthalate ug/kg-dry		619	
Red Butte Creek At Gaging Station			
Soil Type	Bed Brown sand w/gravel	Bank Brown clayey sand	Water N/A
DRO mg/kg-dry	115	122	
ORO mg/kg-dry	37	106	
Benz(a)anthracene ug/kg-dry		25.6	
Benzo(b)fluoranthene ug/kg-dry		32.2	
Chrysene ug/kg-dry		42	
Fluoranthene ug/kg-dry		45.3	
Pyrene ug/kg-dry		51.1	
Methylene chloride	7.8	7.83	
bis(2-ethylhexyl) phthalate ug/L			27.6
Red Butte Creek At 1731 East 900 South			
Soil Type	Bed Brown sand w/gravel	Bank Brown clayey sand	
DRO mg/kg-dry	88.2	142	
ORO mg/kg-dry	109	111	
Anthracene ug/kg-dry		70.5	
Benz(a)anthracene ug/kg-dry		365	
Benzo(a)pyrene ug/kg-dry		258	
Benzo(b)fluoranthene ug/kg-dry		352	
Bernzo(k)fluoranthene ug/kg-dry		140	
Chrysene ug/kg-dry	27.8	373	
Fluoranthene ug/kg-dry		702-580	
Indeno(1,2,3-cd)pyrene ug/kg-dry		124	
Naphthalene ug/kg-dry		28.8	
Phenanthrene ug/kg-dry		347	
Pyrene ug/kg-dry		602-597	
Methylene chloride		6.54	

Red Butte Creek Above Sunnyside Avenue		
Soil Type	Bed	Bank
	Brown sand w/gravel	Brown clayey sand
DRO mg/kg-dry	60.8	141
ORO mg/kg-dry		135
Benz(a)anthracene ug/kg-dry		69.1
Benzo(a)pyrene ug/kg-dry		39.6
Benzo(b)fluoranthene ug/kg-dry		55.9
Chrysene ug/kg-dry		77.7
Fluoranthene ug/kg-dry		129
Phenanthrene ug/kg-dry		78.4
Pyrene ug/kg-dry		121
Red Butte Creek At Mount Olivet Diversion		
Soil Type	Bed	Bank
	Brown sand w/gravel	Brown clayey sand
DRO mg/kg-dry	71.6	71
ORO mg/kg-dry		74.3
Chloroform ug/kg-dry		4.2
m,p-Xylene ug/kg-dry		5.35
Tetrachloroethene ug/kg-dry		5.43
Toluene ug/kg-dry		8.03
Xylene, Total ug/kg-dry		6.55
Red Butte Creek Above Foothills Drive		
Soil Type	Bed	Bank
	Brown sand w/gravel	Brown sandy clay
DRO mg/kg-dry	100	66.2
ORO mg/kg-dry	77.7	52.4
bis(2-ethylhexyl)adipate ug/kg-dry	866	
Red Butte Creek At The University Marriot		
Soil Type	Bed	Bank
	Brown sand	Brown clayey sand
DRO mg/kg-dry	116	86.8
ORO mg/kg-dry	108	50.6
Anthracene ug/kg-dry		27.7
Benz(a)anthracene ug/kg-dry		38.8
Benzo(b)fluoranthene ug/kg-dry		29.6
Chrysene ug/kg-dry	33.1	37.9
Fluoranthene ug/kg-dry	34.1	97
Phenanthrene ug/kg-dry		111
Pyrene ug/kg-dry	35	97.9
bis(2-ethylhexyl)adipate ug/kg-dry		1190
Chloroform ug/kg-dry		4.57
m,p-Xylene ug/kg-dry		4.19
Tetrachloroethene ug/kg-dry		4.3
Toluene ug/kg-dry		5.54
Xylene, Total ug/kg-dry		4.19

Red Butte Creek Below Chipeta Way		
Soil Type	Bed	Bank
	Brown sand w/clay and gravel	Brwon sandy clay
DRO mg/kg-dry	114	61.6
ORO mg/kg-dry	199	61.7
Toluene ug/kg-dry		6.28
Xylene, Total ug/kg-dry		3.53
Red Butte Creek At Lower Underflow Dam Site		
Soil Type	Bed	Bank
	Brown clayey sand	Brown clayey sand
DRO mg/kg-dry	38.5	71.2
ORO mg/kg-dry	31	47.5
bis(2-ethylhexyl)adipate ug/kg-dry	1380	
Toluene ug/kg-dry		2.89
Red Butte Creek Above Amphitheater		
Soil Type	Bed	Bank
	Brown silty sand w/gravel	Brown sandy clay
DRO mg/kg-dry	44.5	64.2
ORO mg/kg-dry		83.2
bis(2-ethylhexyl)adipate ug/kg-dry	1110	
Toluene ug/kg-dry	2.61	
Mill Creek Below 700 East		
Soil Type	Bed	Bank
	Dark brown silty sand	Dark brown sandy clay
DRO mg/kg-dry	113-186	255-258
ORO mg/kg-dry	64.2-161	180-214
1-Methylnaphthalene ug/kg-dry	53.1	
Anthracene ug/kg-dry	5.9	5.4
Benz(a)anthracene ug/kg-dry	37.0-88.2	20.0-39.1-42.1
Benzo(a)pyrene ug/kg-dry	44.5-50.0	29
Benzo(b)fluoranthene ug/kg-dry	79.6-83.0	43.0-46.9-50
Benzo(g,h,i)perylene ug/kg-dry	31	18
Benzo(k)fluoranthene ug/kg-dry	20.5-27	15
Chrysene ug/kg-dry	57-90.7	35-58.6-58.7
Dibenz(a,h)anthracene ug/kg-dry		3.7
Fluoranthene ug/kg-dry	35.3-87-232	44.0-75.2-104
Indeno(1,2,3-cd)pyrene ug/kg-dry	16-32.5	9.1
Naphthalene ug/kg-dry	48.8	
Phenanthrene ug/kg-dry	27-136	15-34.2-62.6
Pyrene ug/kg-dry	40.5-72.0-200	42-87-111
bis(2-ethylhexyl) phthalate ug/kg-dry	581	1640
bis(2-ethylhexyl)adipate ug/kg-dry	1370-1470	
Toluene ug/kg-dry	11-74.1	23
4-Isopropyltoluene ug/kg-dry	2.66	
Coal Tar Oil mg/kg-dry	170	280

Mill Creek Below Highland Drive		
Soil Type	Bed	Bank
	Brown sand w/gravel	Brown silty sand
DRO mg/kg-dry	54.9	308
ORO mg/kg-dry		125
Anthracene ug/kg-dry		40
Benz(a)anthracene ug/kg-dry	43.7	126
Benzo(a)pyrene ug/kg-dry	41.2	125
Benzo(b)fluoranthene ug/kg-dry	56.3	144
Benzo(k)fluoranthene ug/kg-dry		49
Chrysene ug/kg-dry	55.4	152
Fluoranthene ug/kg-dry	93.2	303
Indeno(1,2,3-cd)pyrene ug/kg-dry		59
Phenanthrene ug/kg-dry	35.3	235
Pyrene ug/kg-dry	89	321
Xylene, Total ug/kg-dry		4
4-Isopropyltoluene ug/kg-dry		17.6
Acetone ug/kg-dry		23
o-Xylene ug/kg-dry		4
Mill Creek Below 2300 East		
Soil Type	Bed	Bank
	Brown sand w/gravel	Brown silty sand w/gravel
DRO mg/kg-dry	34.4	136
ORO mg/kg-dry		90.4
Benz(a)anthracene ug/kg-dry		34.3
Benzo(b)fluoranthene ug/kg-dry		67.8
Chrysene ug/kg-dry		81.9
Fluoranthene ug/kg-dry		61.6
Phenanthrene ug/kg-dry		27.3
Pyrene ug/kg-dry		62.5
m,p-Xylene ug/kg-dry		2.75
Toluene ug/kg-dry		3.2
Xylene, Total ug/kg-dry		2.75
Mill Creek Above County Gage		
Soil Type	Bed	Bank
	Brown sand w/gravel	Brown sand w/sand and
DRO mg/kg-dry	38.7	36.3
ORO mg/kg-dry		26.2
Anthracene ug/kg-dry	42.9	
Benz(a)anthracene ug/kg-dry	98.5	
Benzo(a)pyrene ug/kg-dry	61.4	
Benzo(b)fluoranthene ug/kg-dry	72.4	
Benzo(k)fluoranthene ug/kg-dry	26.1	
Chrysene ug/kg-dry	83.3	
Fluoranthene ug/kg-dry	237	
Indeno(1,2,3-cd)pyrene ug/kg-dry	25.2	
Phenanthrene ug/kg-dry	234	
Pyrene ug/kg-dry	219	

City Creek At Lower Natural Channel		
Soil Type	Bed	Bank
	Brown sand	Brown silty sand
DRO mg/kg-dry	58.1	90.4
ORO mg/kg-dry	80.4	189
Benz(a)anthracene ug/kg-dry		67.5
Benzo(a)pyrene ug/kg-dry		63.2
Benzo(b)fluoranthene ug/kg-dry		88
Chrysene ug/kg-dry		109
Fluoranthene ug/kg-dry		109
Indeno(1,2,3-cd)pyrene ug/kg-dry		58.1
Phenanthrene ug/kg-dry		109
Pyrene ug/kg-dry		120
City Creek At North Canyon Footbridge		
Soil Type	Bed	Bank
	Brown sand w/silt and gravel	Brown clayey sand
DRO mg/kg-dry	35.1	96.1
ORO mg/kg-dry	29	53.6
Benz(a)anthracene ug/kg-dry		42.7
Benzo(b)fluoranthene ug/kg-dry		26.1
Chrysene ug/kg-dry		37.2
Fluoranthene ug/kg-dry	31.6	111
Phenanthrene ug/kg-dry		89.4
Pyrene ug/kg-dry	34	79.9
Chloroform ug/kg-dry		2.69
Tetrachloroethene ug/kg-dry		4.55
City Creek Below North Canyon Loop		
Soil Type	Bed	Bank
	Brown silty sand	Brown silty sand
DRO mg/kg-dry	53.7	50.5
ORO mg/kg-dry	81	31.4
Anthracene ug/kg-dry	26.1	
Benz(a)anthracene ug/kg-dry	39.5	
Benzo(a)pyrene ug/kg-dry	31.3	
Benzo(b)fluoranthene ug/kg-dry	36.6	
Chrysene ug/kg-dry	35.8	
Fluoranthene ug/kg-dry	96.3	
Phenanthrene ug/kg-dry	90.3	
Pyrene ug/kg-dry	83.6	

City Creek At Canyon Entrance Gate		
Soil Type	Bed	Bank
	Brown sand w/gravel	Brown silty sand
DRO mg/kg-dry	29.5	36.7-42.8
ORO mg/kg-dry		59.4
Acenaphthene ug/kg-dry		0.99
Acenaphthylene ug/kg-dry		0.39
Anthracene ug/kg-dry	0.39	1.3
Benzo(a)anthracene ug/kg-dry	0.83	3.8
Benzo(a)pyrene ug/kg-dry	1.7	5.1
Benzo(b)fluoranthene ug/kg-dry	1.6	6.2
Benzo(g,h,i)perylene ug/kg-dry	1.5	3
Bernzo(k)fluoranthene ug/kg-dry	1.3	3.3
Chrysene ug/kg-dry	1.1	4.5
Fluoranthene ug/kg-dry	1.6	8
Indeno(1,2,3-cd)pyrene ug/kg-dry		1.5
Phenanthrene ug/kg-dry	1.1	3.8
Pyrene ug/kg-dry	2	7.2
m,p-Xylene ug/kg-dry		7.22
Toluene ug/kg-dry	2.53	8.66
Xylene, Total ug/kg-dry		8.7
4-Isopropyltoluene ug/kg-dry	2.54	
Parleys Creek Below 1300 East		
Soil Type	Bed	Bank
	Brown sand w/silt and gravel	Brown clayey sand
DRO mg/kg-dry	86.5	285
ORO mg/kg-dry	52	140
Fluoranthene ug/kg-dry	29.8	
Phenanthrene ug/kg-dry	24.3	
Pyrene ug/kg-dry	42.4	
Tetrachloroethene ug/kg-dry	4.58	
Di-n-octyl phthalate	480	
Parleys Creek Below 1700 East		
Soil Type	Bed	Bank
	Brown sand w/gravel	Brown clayey sand
DRO mg/kg-dry	44.5	268
ORO mg/kg-dry		131
Benzo(a)anthracene ug/kg-dry	30.6	
Benzo(b)fluoranthene ug/kg-dry	28.2	
Chrysene ug/kg-dry	35.3	
Fluoranthene ug/kg-dry	73.7	
Phenanthrene ug/kg-dry	50.2	
Pyrene ug/kg-dry	75.3	
bis(2-ethylhexyl) phthalate ug/kg-dry	2980	
bis(2-ethylhexyl)adipate ug/kg-dry		1560

Parleys Creek Above 2000 East		
Soil Type	Bed	Bank
	Brown clayey sand	Brown sandy clay
DRO mg/kg-dry	134	71.2
ORO mg/kg-dry	83.3	42.9
Benzo(a)anthracene ug/kg-dry	79.6	
Benzo(a)pyrene ug/kg-dry	50.1	
Benzo(b)fluoranthene ug/kg-dry	95.3	
Chrysene ug/kg-dry	84.5	
Fluoranthene ug/kg-dry	186	
Phenanthrene ug/kg-dry	93.4	
Pyrene ug/kg-dry	170	
Benzoic acid ug/kg-dry	1530	
Phenol ug/kg-dry	640	
Parleys Creek Above I-215		
Soil Type	Bed	Bank
	Brown sand w/clay and gravel	Brown clayey sand
DRO mg/kg-dry	105	121
ORO mg/kg-dry		75.6
Anthracene ug/kg-dry		71.8
Benzo(a)anthracene ug/kg-dry	51.9	234
Benzo(a)pyrene ug/kg-dry	30.6	108
Benzo(b)fluoranthene ug/kg-dry	47.6	205
Bernzo(k)fluoranthene ug/kg-dry		62.1
Chrysene ug/kg-dry	42.5	223
Fluoranthene ug/kg-dry	107	487-472
Fluorene ug/kg-dry		29.3
Indeno(1,2,3-cd)pyrene ug/kg-dry		56.7
Phenanthrene ug/kg-dry	91	371
Pyrene ug/kg-dry	87.6	379-453
bis(2-ethylhexyl)adipate ug/kg-dry		1170
Emigration Creek Above 1300 East		
Soil Type	Bed	Bank
	Brown sand w/silt and gravel	Brown sandy silt
DRO mg/kg-dry	86.1	101
ORO mg/kg-dry		66.6
Chrysene ug/kg-dry		25.2
Fluoranthene ug/kg-dry	25.8	46.3
Phenanthrene ug/kg-dry		30
Pyrene ug/kg-dry	31.2	47.9
Chloroform ug/kg-dry		3.67
m,p-Xylene ug/kg-dry		2.73
Tetrachloroethene ug/kg-dry		5.36
Toluene ug/kg-dry		3.14
Xylene, Total ug/kg-dry		2.73

Emigration Creek Above 1900 East		
Soil Type	Bed	Bank
	Brown sand w/silt and gravel	Brown sandy silt
DRO mg/kg-dry	87.2	95.1
ORO mg/kg-dry	113	99.3
Benzo(a)anthracene ug/kg-dry	62	25.8
Benzo(a)pyrene ug/kg-dry	42.3	
Benzo(b)fluoranthene ug/kg-dry	47.9	27.3
Chrysene ug/kg-dry	67.7	29.4
Fluoranthene ug/kg-dry	104	43.8
Phenanthrene ug/kg-dry	47.9	
Pyrene ug/kg-dry	118	43.8
Chloroform ug/kg-dry		4.53
m,p-Xylene ug/kg-dry		6.05
Tetrachloroethene ug/kg-dry		6.43
Toluene ug/kg-dry		7.19
Xylene, Total ug/kg-dry		7.52
Emigration Creek Above 2100 East		
Soil Type	Bed	Bank
	Brown sand w/gravel	Brown silty sand
DRO mg/kg-dry	75	103
ORO mg/kg-dry	57.1	80
Benzo(a)anthracene ug/kg-dry		45.5
Benzo(b)fluoranthene ug/kg-dry		71.5
Chrysene ug/kg-dry		109
Fluoranthene ug/kg-dry		32.5
Pyrene ug/kg-dry		35.7
Chloroform ug/kg-dry		2.78
Tetrachloroethene ug/kg-dry		3.22
Emigration Creek At Donner Hill Marker		
Soil Type	Bed	Bank
	Brown sand w/silt	Brown silty sand
DRO mg/kg-dry	76.4	69.6
ORO mg/kg-dry		26.3

TABLE 3 CHEVRON PIPE LINE - RED BUTTE RELEASE FIRST QUARTERLY SAMPLING EVENT AUGUST - 2011 Summary of QA Comparisons Detections Only PARTIAL						
Mill Creek Below 700 East						
Constituent	AWAL		Lancaster		AWAL BD-1	
	Bed	Bank	Bed	Bank	Bed	Bank
DRO mg/kg-dry	113	255			186	258
ORO mg/kg-dry	64.2	214			161	180
1-Methylnaphthalene ug/kg-dry	53.1					
Anthracene ug/kg-dry			5.9	5.4		
Benzo(a)anthracene ug/kg-dry	88.2	42.1	37	20		39.1
Benzo(a)pyrene ug/kg-dry	44.5		50	29		
Benzo(b)fluoranthene ug/kg-dry	79.6	43	83	50		46.9
Benzo(g,h,i)perylene ug/kg-dry			31	18		
Bernzo(k)fluoranthene ug/kg-dry	20.5		27	15		
Chrysene ug/kg-dry	90.7	58.7	57	35		58.6
Dibenz(a,h)anthracene ug/kg-dry				3.7		
Fluoranthene ug/kg-dry	232	104	87	44	35.3	75.2
Indeno(1,2,3-cd)pyrene ug/kg-dry	32.5		16	9.1		
Naphthalene ug/kg-dry	48.8					
Phenanthrene ug/kg-dry	136	62.6	27	15		34.2
Pyrene ug/kg-dry	200	111	72	42	40.5	87
bis(2-ethylhexyl) phthalate ug/kg-dry	581	1,640				
bis(2-ethylhexyl)adipate ug/kg-dry	1,370				1,470	
Toluene ug/kg-dry	74.1		11	23		
4-Isopropyltoluene ug/kg-dry	2.66					
Coal Tar Oil mg/kg-dry			170	280		
City Creek Near Canyon Entrance Gate						
Constituent	AWAL		Lancaster		AWAL BD-2	
	Bed	Bank	Bed	Bank	Bed	Bank
DRO mg/kg-dry	29.5	36.7				42.8
ORO mg/kg-dry		59.4				
Acenaphthene ug/kg-dry				0.99		
Acenaphthylene ug/kg-dry				0.39		
Anthracene ug/kg-dry			0.39	1.3		
Benzo(a)anthracene ug/kg-dry			0.83	3.8		
Benzo(a)pyrene ug/kg-dry			1.7	5.1		
Benzo(b)fluoranthene ug/kg-dry			1.6	6.2		
Benzo(g,h,i)perylene ug/kg-dry			1.5	3		
Bernzo(k)fluoranthene ug/kg-dry			1.3	3.3		
Chrysene ug/kg-dry			1.1	4.5		
Fluoranthene ug/kg-dry			1.6	8		
Indeno(1,2,3-cd)pyrene ug/kg-dry				1.5		
Phenanthrene ug/kg-dry			1.1	3.8		
Pyrene ug/kg-dry			2	7.2		
m,p-Xylene ug/kg-dry		7.22				
Toluene ug/kg-dry		8.66			2.53	
Xylene, Total ug/kg-dry		8.7				
4-Isopropyltoluene ug/kg-dry	2.54					

