Table 1
Results of TPH-Diesel in Deep Soil Borings
at Perimeter and Interior Locations of Former Reservoirs
(in milligrams per kilogram)

Reservoir	Location	Depth (ft. bgs) 1.5-2	5	10-11	15	20	25	30	35	40	45	50	55	60	65	70	75	80
Perimeter of Reservoir																		
5	DP-4/MW-03	190	13,000	19,000	8,200	7,900	6,600	9,500	11,000	<5.0	<5.0	17	<5.0	<5.0	<5.0	<5.0	<5.0	--
	MW-12	34,000	17,000	29,000	16,000	19,000	10,000	8,200	8,300	19,000	43,000	<5.0	<5.0	<5.0	<5.0	17	<5.0	--
6	DP-3/MW-02	640	22,000	7,300	4,600	13,000	9,300	6,200	16,000	29	16	1,200	490	120	2,700	<5.0	<5.0	--
7	DP-7	1,900	9,000	13,000	20,000	11,000	1,700	--	--	--	--	--	--	--	--	--	--	--
	B-6	1,700	7,800	23,000	11,000	7,600	7,200	5,300	8,500	9,700	300	7,600	3,500	--	--	--	--	--
	SV-MD-4	6,100	7,600	15,000	6,600	11,000	6,900	9,300	6,400	13,000	9,800	5,700	9,300	--	--	--	--	--
	MW-13	4,000	11,000	4,300	8,600	6,200	8,800	9,800	20,000	13,000	6,000	10,000	9,200	3,000	19	14	50	--
Interior of Reservoir																		
5	MW-08	--	1,400	870	<5.0	6.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
6	DP-2	1,300	1,300	3,300	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	--	--
7	DP-8	1,400	1,500	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	--	--
	DP-9	400	5,600	12,000	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	--	--

Notes:

ft. bgs feet below ground surface

<5.0 not detected above noted reporting limit

-- not sampled/not analyzed

References:

Geotracker EDF

URS Corporation, 2011. *Groundwater Monitoring Well Installation Report, 244th Street and Marbella Avenue* , March 15. Table 1.

URS Corporation, 2009. *Interim Site Characterization Report, Former Kast Property, Carson, California*. August 20. Table 2, pages 1-4.

URS Corporation, 2010. *Plume Delineation Report Former Kast Property Carson, California*. September 29. Table 3A pages 1-17

URS Corporation, 2009. *Final Phase I Site Characterization Report, Former Kast Property, Carson, California*. October 15. Table 4C, pages 1-3.

Table 2

Summary of TRPH Concentrations (milligrams per kilogram) and OVM Reading (parts per million) in Berm Material

Shell Reservoir 1			Shell Reservoir 2		
Sample	OVM Readings	TRPH	Sample	OVM Readings	TRPH
R1-SR1A	0	<10	R2-SR1A	0	17
R1-SR1B	8	8,100	R2-SR1B	4	<10
R1-SR1C	0	<10	R2-SR1C	11	<10
R1-SR1D	5	4,200	R2-SR1D	18	<10
R1-SR1E	180	18,000	R2-SR1E	316	16,000
R1-SR1F	2	<10	R2-SR1F	0	<10
R1-SR1G	36	16,000	R2-SR1G	130	16,000
R1-SR1H	216	42,000	R2-SR1H	270	32,000
R1-SR2A	0	<10	R2-SR2D	0	13
R1-SR2B	0	<10	R2-SR2E	6	250
R1-SR2G	27	<10	R2-SR2G	11	<10
R1-SR3A	0	<10	R2-SR3B	0	120
R1-SR3F	0	<10	R2-SR3E	244	12
R1-SR3H	139	43,000	R2-SR3H	279	30,000
R1-SR4B	4	51	R2-SR4A	0	<10
R1-SR4C	0	<10	R2-SR4B	0	170
R1-SR4F	2	<10	R2-SR4H	138	34,000
R1-SR5B	0	<10	R2-SR4G	18	<10
R1-SR5G	0	<10	R2-SR5A	0	<10
R1-SR5H	315	32,000	R2-SR5D	5	20
R1-SR6A	0	24	R2-SR6C	0	<10
R1-SR6B	0	<10	R2-SR6D	3	<10
R1-SR6F	17	23	R2-SR6F	28	<10

<10 not detected above noted reporting limit

References:

Brown and Caldwell. 1994. *Berm Material and Underlying Soil Characterization of Reservoirs 1 and 2*. March. (Table 2-1, page 2-5)

Table 3

Summary of Visual Hydrocarbons, TRPH Concentrations (milligrams per kilogram), and OVM Reading (parts per million) in Soil Beneath Reservoirs 1 and 2 at the Wilmington Refinery

Shell Reservoir 1

Boring	Depth	Visible Hydrocarbons	OVM Reading	TRPH
1	0-1.5	yes	90	44,000
	3-4.5	yes	-	46,000
	10-11.5	yes	-	28,000
	15-16.5	yes	-	34,000
	25-26.5	yes	500?	31,000
	30-31.5	yes?	100	13,000
1B	5-6.5	yes	-	34,000
	15-16.5	yes	-	71,000
	45-46.5	no	-	63
2	0-1.5	yes	30	17,000
	4.5-6	yes	84	53,000
	10-11.5	yes	74	17,000
	15-16.5	yes	132	30,000
	25-26.5	yes	140	43,000
	30-31.5	yes		32,000
2B	5-6.5	yes	-	70,000
	25-26.5	yes	-	36,000
	45-46.5	no	-	58
3	0-1.5	yes	-	23,000
	3-4.5	no	250	31,000
	10-11.5	no	-	14
	15-16.5	-	-	25
4	0-1.5	yes	22	24,000
	4.5-6	yes	89	30,000
	10-11.5	yes	86	37,000
	15-16.5	no	54	130
	20-21.5	no	96	50,000
	25-26.5	yes	70	26,000
	30-31.5	yes	131	37,000
5	0-1.5	yes	85	18,000
	5-6.5	yes	105	33,000
	15-16.5	yes	113	23,000
	16	no	113	na
	20	yes	113	na
	25-26.5	yes	275	27,000
	30-31.5	yes	325	30,000
6	0-1.5	no	17	330
	4.5-6	no	31	16
	10-11.5	no	12	42
7	0-1.5	yes	-	24,000
	4	no	-	na
	13-15	no	-	17
8	0-1.5	yes	-	44,000
	10-11.5	yes	-	23,000
	20-21.5	yes	-	56,000
	30-31.5	some	-	2,600
9	0-1.5	yes	-	29,000
	4.5-6	no	-	11
	13.5-15	no	-	<10

Table 3

Summary of Visual Hydrocarbons, TRPH Concentrations (milligrams per kilogram), and OVM Reading (parts per million) in Soil Beneath Reservoirs 1 and 2 at the Wilmington Refinery
Shell Reservoir 2

Boring	Depth	Visible Hydrocarbons	OVM Reading	TRPH
1	0-1.5	yes	64	12,000
	1.5-3	yes	174	28,000
	3-4.5	yes	206	32,000
	4.5-6	yes	202	26,000
	6-7.5	yes	133	20,000
	7.5-8.25	yes	33	840
	8.25-9	yes	59	14,000
	9-11.5	no	161	4,900
	12-13.5	no	29	56
	15-16.5	no	25	na
	17.5-18	no	31	24
2	0-1.5	no	72	<10
	3-4.5	no	16	<10
	6-7.5	no	15	<10
	9-10.5	no	15	<10
3	0-1.5	yes	61	15,000
	4.5-6	yes	92	23,000
	10.5	yes	68	16,000
	12-13.5	yes	73	15,000
	19.5-21	yes	76	14,000
	25-26.5	yes	164	36,000
	30-31.5	yes	53	5,600
3B	5-6.5	yes	-	28,000
	25-26.5	yes	-	7,300
	50-51.5	no	-	21
4	1-1.5	yes	90	26,000
	4.5-6	yes	5	2,300
	11-12.5	no	4	710
	15-16.5	no	3	180
5	0-1.5	no	1	37
	3-4.5	no	2	<10
	9-10.5	no	7	<10
6	0-1.5	yes	184	9,900
	2	no	2	na
	9-10.5	no	11	14
7	0-1.5	yes	138	73
	1	no	-	na
	9-10.5	no	5	<10
8	0-1.5	no	9	5,600
	9-10.5	no	1	39
9	0-1.5	no	10	58
	3-4.5	no	100	<10
	9-10.5	no	20	8

na Not Analyzed
\- Not Recorded

Reference:

Brown and Caldwell. 1994. *Berm Material and Underlying Soil Characterization of Reservoirs 1 and 2* . March. (Table 3-1, pages 3-4 to 3-7)