

AG 6/1/01

Beck Soil Data

		TPHg mg/kg	benzene ug/kg	toluene ug/kg	ethyl benzene ug/kg	xylene ug/kg
mw3	pre99	20	2.9	21	17	6
mw3	pre99	25	6.2	48	22	12
		30	9.8	250	15	48
mw1	pre99	20	nd	2.5	10	2.5
mw1	pre99	25	nd	2.5	24	2.5
		30	nd	2.5	11	2.5
mw2	pre99	20		2.5	2.5	2.5
mw2	pre99	25	1.4	100	85	14
		30	nd	44	8	2.5
b1	pre99	20	5.7	250	600	100
b1	pre99	25	8.8	240	600	126
b2	pre99	20		46	11	14
b2	pre99	25	35	440	1200	320
		30	36	270	87	37
g1	Nov99	20	10	7	14	68
g2	Nov99	20		2.5	2.5	2.5
	Nov99	25	58	120	75	1000
	Nov99	30	7.9	23	10	60
g3	Nov99	25	nd	2.5	2.5	2.5
		30	22	63	2.5	320
sw-1	1994	30		520		
sw2		25		430		
sw-3		25		1500		
sw-4		30		170		
sw-5		25		140		
sw-7		25		5700		
sw-9		25		2.5		
sw-11		18		2.5		
sw-12		18		2.5		
sw-13		18		2.5		

Highest is 13000 PPM
 STATE - 0.45 PPM
 soil

37 times less

instead of using 13 PPM
 using 347 PPM

	TPHg mg/kg	benzene ug/kg	toluene ug/kg	ethyl benzene ug/kg	xylene ug/kg
avg	11.98	346.90	139.95	107.13	294.56
n		30	20	20	20
t		1.699	1.729	1.729	1.729
s		1034.706	299.2490	225.1303	570.7179
ucl		667.8592	255.6445	194.1640	515.2037
#		20	16	13	16

~~Handwritten scribbles and notes~~

347 PPM
 then uses
 this number
 for risk assessment

It is 346 PPM
 Average on
 but 1994 soil result
 at highest ARE much higher
 f.e. for Benzene
 13000 PPM
 at highest
 It is average 346.9
 state RSL PPM is
 .45 !!

TABLE 3 SUMMARY OF SOIL DATA – SOIL AND MONITORING WELL BORINGS (continued)

Date	Location	Depth Ft,bgs	TPHg	Benzene	Toluene	Ethyl- benzene	Xylenes	Lead
								Total
	MW-3	5	1	ND	18	ND	ND	ND
		10	ND	ND	ND	ND	ND	3.60
		15	ND	ND	28	ND	ND	3.60
		20	2.9	21	17	6	25	5.80
		25	6.2	48	22	12	56	ND
		30	9.8	250	15	48	260	3.90
		35	ND	ND	14	ND	ND	3.75
7/94	SB18 (MW-4)	25.5-35.5	ND	ND	ND	ND	ND	NA
	SB19 North of MW4	25.5-35.5	ND	ND	ND	ND	ND	NA
	SB20 South of MW-4	25.5-35.5	ND	ND	ND	ND	ND	NA
	SB21 (within the excavation area)	28.5	180	2200	8700	4800	22000	NA
	SB21 (within the excavation area)	29.0	430	11000	42000	14000	69000	NA
	SB21 (within the excavation area)	29.5	550	13000	64000	25000	120000	NA

13ppm 64ppm 25ppm 130ppm

Notes:

- BTEX units $\mu\text{g}/\text{kg}$ (original analyses in mg/kg)
- TPHg and lead units, mg/kg
- ND Not detected above method detection limit
- NA Not analyzed