TABLE 19

Frequency of Occurrence of VOCs in the Livingston Aquifer

Ground Water Section
Livingston Rail Yard Remedial Investigation

CHEMICAL	NO. OF DETECTIONS	NO. OF ANALYSES	PERCENT DETECTED	DETECTION LIMIT (µg/L)	MINIMUM CONCENTRATION (µg/L)	MAXIMUM CONCENTRATION (µg/L)	MCL* (µg/L)
Tetrachloroethene	402	677	59.4	0.5	0.5	850	5
Trichloroethene	319	677	47.1	0.5	0.5	73	5
cis-1,2-Dichloroethene	286	677	42.2	1	1	2550	70
Chlorobenzene	93	677	13.7	1	1	2100	100
trans-1,2-Dichloroethene	71	677	10.5	1	1	31	100
1,4-Dichlorobenzene	69	677	10.2	1	0.5	150	75
1,2-Dichlorobenzene	46	677	6.8	1	1	88	60
2-Chlorotoluene	44	676	6.5	1	1	190	N/A
Naphthalene	28	538	5.2	1	1.2	45	N/A
Isopropylbenzene	27	539	5	1	1	6.9	N/A
sec-Butylbenzene	26	539	4.8	1	1	5.5	N/A
Ethylbenzene	21	542	3.9	1	1	11	700
Vinyl Chloride	21	677	3.1	0.5	0.5	2.2	2
n-Propylbenzene	19	539	3.5	1	1	5.5	N/A
1,2,4-Trimethylbenzene	15	539	2.8	1	1	12	N/A
o-Xylene	15	310	4.8	1	1	7.7	N/A
Benzene	12	542	2.2	0.5	0.52	1.2	5
1,3-Dichlorobenzene	11	677	1.6	1	1	16	N/A
Total Xylenes	11	232	4.7	1	1	9.9	10000
n-Butylbenzene	8	539	1.5	1	1.5	7.2	N/A
1,3,5-Trimethylbenzene	7	538	1.3	1	1	3.6	N/A
Chloroform	6	677	0.9	1	1	4.6	N/A
1,1-Dichloroethene	6	677	0.9	0.5	0.5	13	N/A
p-Isopropyltoluene	5	539	0.9	1	1	2	N/A
Toluene	4	542	0.7	1	1	1.4	N/A
Trichlorofluoromethane	4	677	0.6	1	1.3	7.9	1000
tert-Butylbenzene	3	539	0.6	1	1.8	4.6	N/A
m+p Xylene	3	55	5.5	1	1.7	3.8	N/A
1,1,1-Trichloroethane	3	677	0.4	0.5	0.5	0.85	200
Bromodichloromethane	2	677	0.3	1	1	2.6	N/A
Bromoform	2	677	0.3	1	2.4	2.5	N/A
Dibromochloromethane	2	677	0.3	1	2.1	4.8	N/A

*MCL = Maximum Contaminant Level (40 CFR 141.61)
N/A = Not applicable