TABLE 3-1
SUMMARY OF CHEMICALS OF POTENTIAL CONCERN IN GROUNDWATER BASED ON THE BHHRA AND NJDEP VISL[1]
FEASIBILITY STUDY REPORT
RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE
NEWARK, NEW JERSEY

Matrix			Groundwater		
Location			Deep	Shallow	
Pathway	Chemical	CASRN	Tapwater	Tapwater	Vapor Intrusion
VOC	Acetone	67-64-1		Yes	
VOC	Benzene	71-43-2	Yes	Yes	Yes
VOC	Bromodichloromethane	75-27-4		Yes	
VOC	Carbon Tetrachloride	56-23-5		Yes	
VOC	Chloroform	67-66-3	Yes	Yes	
VOC	1,2-Dibromo-3-chloropropane	96-12-8		Yes	Yes
VOC	1,4-Dichlorobenzene	106-46-7		Yes	
VOC	1,3-Dichloropropene (total)	542-75-6		Yes	Yes
VOC	1,4-Dioxane	123-91-1	Yes	Yes	
VOC	Ethyl Benzene	100-41-4	~~Yes~~	Yes	
VOC	2-Hexanone	591-78-6		Yes	
VOC	1,1,2,2-Tetrachloroethane	79-34-5	Yes	Yes	
VOC	Toluene	108-88-3		Yes	
VOC	1,2,4-Trichlorobenzene	120-82-1		Yes	
VOC	1,1,2-Trichloroethane	79-00-5	Yes	Yes	
VOC	Trichloroethene	79-01-6	~~Yes~~	Yes	
VOC	Vinyl Chloride	75-01-4		Yes	
VOC	Xylenes (total)	1330-20-7	~~Yes~~	Yes	Yes
SVOC	Benzo(a)anthracene	56-55-3	Yes	Yes	
SVOC	Benzo(a)pyrene	50-32-8	Yes	Yes	
SVOC	Benzo(b)fluoranthene	205-99-2		Yes	
SVOC	1,1-Biphenyl	92-52-4		Yes	
SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		Yes	
SVOC	4-Chloroaniline	106-47-8		Yes	
SVOC	Dibenz(a,h)anthracene	53-70-3		Yes	
SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		Yes	
SVOC	Naphthalene	91-20-3	Yes	Yes	Yes
SVOC	Pentachlorophenol	87-86-5		Yes	
PCB	PCBs (total)	1336-36-3		Yes	
INORG	Antimony	7440-36-0		Yes	
INORG	Arsenic	7440-38-2	Yes	Yes	
INORG	Barium	7440-39-3		Yes	
INORG	~~Cobalt~~	7440-48-4		Yes	
INORG	Cyanide (total)	57-12-5	Yes	Yes	
INORG	Iron	7439-89-6	Yes	Yes	
INORG	Lead	7439-92-1		Yes [2]	
INORG	Manganese	7439-96-5	Yes	Yes	

Notes:
1. Based on BHRRA (Ramboll April 2020) for hypothetical potable use of groundwater at the Site. Groundwate since the Site and surrounding area are served by the City of Newark's potable water system, and the site-spec conductivity readings of the shallow groundwater indicate possible brackish conditions.
2. Based on comparison of detected concentrations to the USEPA Action Level for lead in drinking water.