PARCEL 7351-034-043

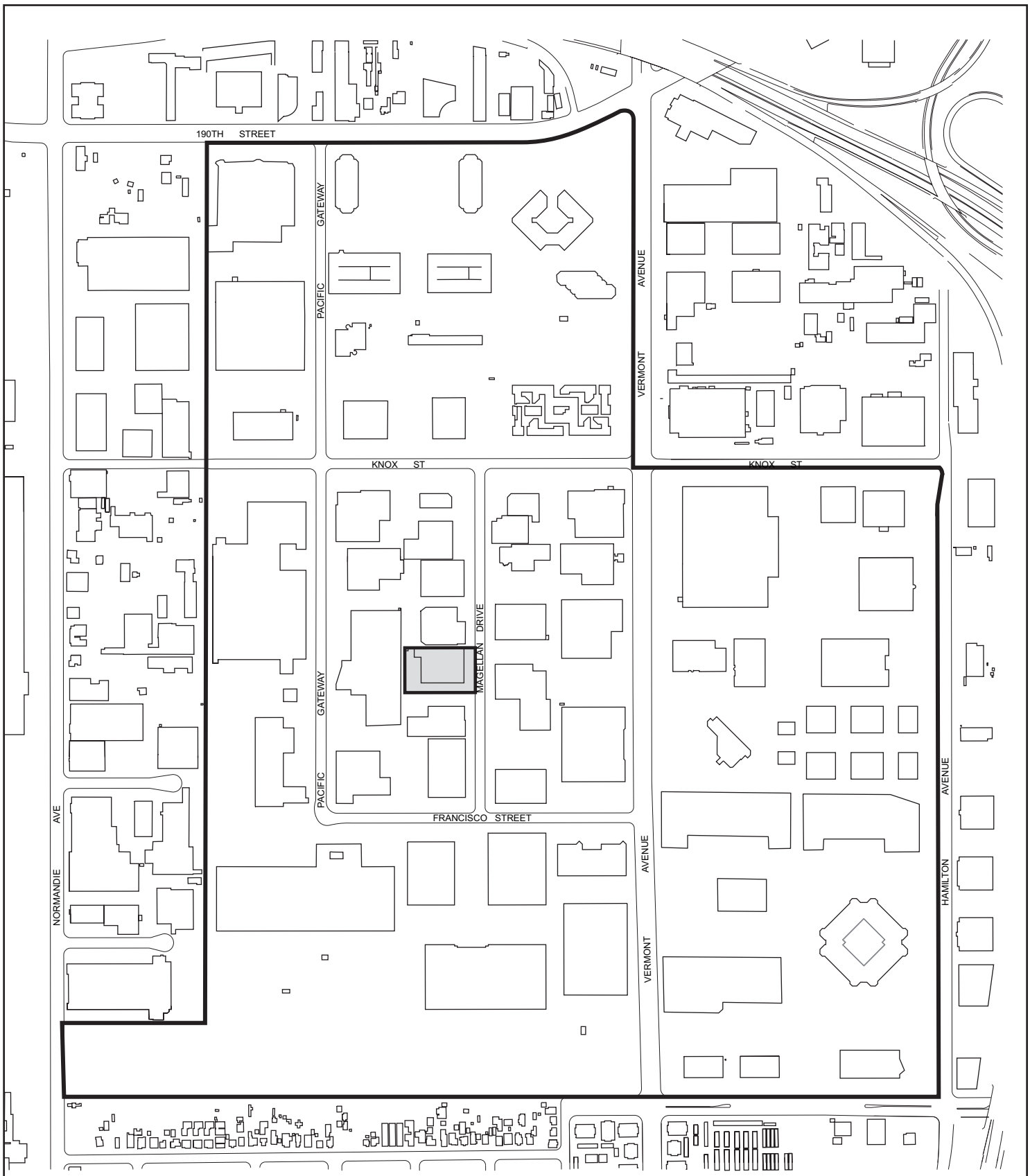
Parcel 7351-034-043 is located in the northern portion of the former Styrene Plancor. Styrene was manufactured within the plancor as a component of synthetic rubber. The parcel area includes the southern portion of a former "styrene finishing" and wastewater treatment process area. Styrene finishing is inferred to mean a purification process through fractionation. Former plancor facilities identified within the parcel area included:

- Tanks used for storage of VOCs (one or more of benzene, styrene, ethylbenzene, and toluene) and spent caustic; and
- Underground pipelines used for transport of surface water runoff and/or wastewater.

The VOC storage tanks on the parcel were above-grade, but were buried under soil that was mounded over the top of them.

By-products of the styrene finishing process on the parcel may have included heavy oils, tar, and coke. These wastes were disposed of either in the Waste Pit Area (located approximately 1,700 feet south of the parcel area) or recycled and used as boiler fuel.

T:\Ladd\DelAmo\794-163



N

0 600 1,200

Scale in Feet

LOCATION MAP
Parcel 7351-034-043

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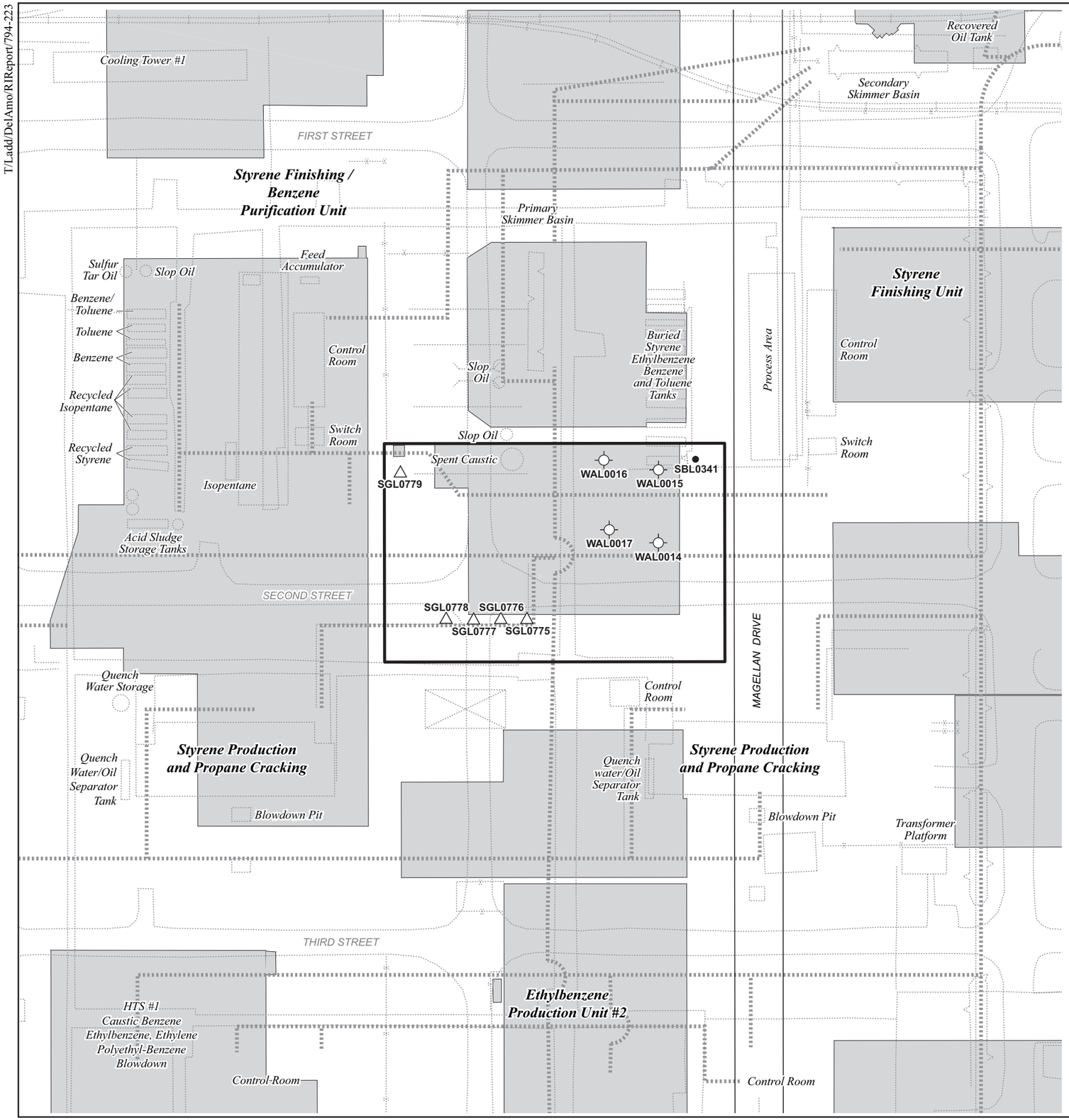

Legend

- Soil gas sampling location
- Soil boring
- Indoor air monitoring location
- Parcel boundary
- Cooling Tower #3 — Outlines of historical features with use/contents indicated
- Acetone / Acetonitrile — Approximate location of former underground pipelines with a potential to have transported VOC-containing fluids

N

0 100 200
Scale in Feet

SAMPLING LOCATIONS AND HISTORICAL FEATURES
Parcel No. 7351-034-043

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SUMMARY OF ANALYTICAL DATA
PARCEL 7351-034-043

Sample Media	Location	Depth (ft. bgs)	Date	Analysis Class	Analyte	Concentration	Screening Criteria Exceeded
Shallow Soil Gas (<= 15')	SGL0775	7.00	04/08/94	VOCs	Tetrachloroethene	0.11 ppmv	
	SGL0776	6.00	04/08/94	VOCs	1,1,1-Trichloroethane	0.014 ppmv	
					Freon 11	0.33 ppmv	
					Freon 113	0.79 ppmv	
					Tetrachloroethene	0.56 ppmv	
	SGL0777	7.00	04/08/94	VOCs	1,1,1-Trichloroethane	0.010 ppmv	
					Tetrachloroethene	0.32 ppmv	
	SGL0778	7.00	04/08/94	VOCs	1,1,1-Trichloroethane	1.3 ppmv	
					Tetrachloroethene	0.34 ppmv	
	SGL0779	7.00	04/08/94	VOCs	1,1,1-Trichloroethane	0.90 ppmv	
					Tetrachloroethene	3.4 ppmv	
Shallow Soil (<= 15')	SBL0341	3.50	06/05/03	VOCs		All ND	
				SVOCs/PAHs	2-Methylnaphthalene	0.0037 mg/kg	
					Acenaphthene	0.0051 mg/kg	
					Acenaphthylene	0.0011 mg/kg	
					Anthracene	0.014 mg/kg	
					Benzo(a)anthracene	0.035 mg/kg	
					Benzo(a)pyrene	0.018 mg/kg	
					Benzo(b)fluoranthene	0.037 mg/kg	
					Benzo(g,h,i)perylene	0.013 mg/kg	
					Benzo(k)fluoranthene	0.034 mg/kg	
					Chrysene	0.037 mg/kg	
					Dibenzo(a,h)anthracene	0.0092 mg/kg	
					Fluoranthene	0.079 mg/kg	
					Fluorene	0.0066 mg/kg	
					Indeno(1,2,3-c,d)pyrene	0.021 mg/kg	
					Naphthalene	0.0076 mg/kg	
					Phenanthrene	0.063 mg/kg	
					Pyrene	0.072 mg/kg	
Indoor Air	WAL0014	NA	10/19/94	VOCs	1,1,1-Trichloroethane	11 ug/m3	
					Benzene	**5.5 ug/m3**	**Ambient Air PRG (0.23)**
					Cyclohexane	1.4 ug/m3	
					Ethylbenzene	2.2 ug/m3	
					Methyl Ethyl Ketone	24 ug/m3	
					Styrene	0.92 ug/m3	
					Tetrachloroethene	**1.1 ug/m3**	**Ambient Air PRG (0.67)**
					Toluene	12 ug/m3	

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SUMMARY OF ANALYTICAL DATA
PARCEL 7351-034-043

Sample Media	Location	Depth (ft. bgs)	Date	Analysis Class	Analyte	Concentration	Screening Criteria Exceeded
Indoor Air	WAL0014	NA	10/19/94	VOCs	Xylenes (Total)	11 ug/m3	
			01/13/95	VOCs	1,1,1-Trichloroethane	180 ug/m3	
					Benzene	**1.6 ug/m3**	**Ambient Air PRG (0.23)**
					Ethylbenzene	1.1 ug/m3	
					Methyl Ethyl Ketone	91 ug/m3	
					Methylene chloride	3.5 ug/m3	
					Styrene	0.77 ug/m3	
					Tetrachloroethene	**1.6 ug/m3**	**Ambient Air PRG (0.67)**
					Toluene	7.4 ug/m3	
					Xylenes (Total)	5.9 ug/m3	
			04/03/95	VOCs	1,1,1-Trichloroethane	53 ug/m3	
					Benzene	**9.0 ug/m3**	**Ambient Air PRG (0.23)**
					Cyclohexane	3.3 ug/m3	
					Ethylbenzene	1.7 ug/m3	
					Methyl Ethyl Ketone	100 ug/m3	
					Methylene chloride	0.52 ug/m3	
					Styrene	0.72 ug/m3	
					Tetrachloroethene	0.52 ug/m3	
					Toluene	15 ug/m3	
					Xylenes (Total)	7.9 ug/m3	
	WAL0015	NA	10/19/94	VOCs	1,1,1-Trichloroethane	40 ug/m3	
					Benzene	**6.6 ug/m3**	**Ambient Air PRG (0.23)**
					Chloroform	0.30 ug/m3	
					Ethylbenzene	2.2 ug/m3	
					Methyl Ethyl Ketone	170 ug/m3	
					Styrene	0.41 ug/m3	
					Tetrachloroethene	**1.1 ug/m3**	**Ambient Air PRG (0.67)**
					Toluene	14 ug/m3	
					Xylenes (Total)	11 ug/m3	
			01/13/95	VOCs	1,1,1-Trichloroethane	110 ug/m3	
					Benzene	**1.6 ug/m3**	**Ambient Air PRG (0.23)**
					Ethylbenzene	0.81 ug/m3	
					Methyl Ethyl Ketone	130 ug/m3	
					Methylene chloride	**4.2 ug/m3**	**Ambient Air PRG (4.1)**
					Styrene	0.44 ug/m3	
					Tetrachloroethene	**0.91 ug/m3**	**Ambient Air PRG (0.67)**
					Toluene	4.9 ug/m3	

SUMMARY OF ANALYTICAL DATA
PARCEL 7351-034-043

Sample Media	Location	Depth (ft. bgs)	Date	Analysis Class	Analyte	Concentration	Screening Criteria Exceeded
Indoor Air	WAL0015	NA	01/13/95	VOCs	Xylenes (Total)	4.3 ug/m3	
			04/03/95	VOCs	1,1,1-Trichloroethane	16 ug/m3	
					Benzene	**17 ug/m3**	**Ambient Air PRG (0.23)**
					Cyclohexane	1.9 ug/m3	
					Ethylbenzene	7.7 ug/m3	
					Methyl Ethyl Ketone	210 ug/m3	
					Methylene chloride	0.34 ug/m3	
					Styrene	0.47 ug/m3	
					Tetrachloroethene	**0.93 ug/m3**	**Ambient Air PRG (0.67)**
					Toluene	44 ug/m3	
					Xylenes (Total)	30 ug/m3	
	WAL0016	NA	10/19/94	VOCs	1,1,1-Trichloroethane	29 ug/m3	
					Benzene	**5.0 ug/m3**	**Ambient Air PRG (0.23)**
					Ethylbenzene	2.3 ug/m3	
					Methyl Ethyl Ketone	190 ug/m3	
					Tetrachloroethene	**0.94 ug/m3**	**Ambient Air PRG (0.67)**
					Toluene	13 ug/m3	
					Xylenes (Total)	12 ug/m3	
			01/13/95	VOCs	1,1,1-Trichloroethane	93 ug/m3	
					Benzene	**1.6 ug/m3**	**Ambient Air PRG (0.23)**
					Ethylbenzene	0.95 ug/m3	
					Methyl Ethyl Ketone	140 ug/m3	
					Methylene chloride	3.9 ug/m3	
					Styrene	0.70 ug/m3	
					Tetrachloroethene	0.63 ug/m3	
					Toluene	4.6 ug/m3	
					Xylenes (Total)	6.0 ug/m3	
			04/03/95	VOCs	1,1,1-Trichloroethane	21 ug/m3	
					Ethylbenzene	1.4 ug/m3	
					Methyl Ethyl Ketone	230 ug/m3	
					Styrene	0.41 ug/m3	
					Tetrachloroethene	0.39 ug/m3	
					Toluene	9.8 ug/m3	
					Xylenes (Total)	6.9 ug/m3	
	WAL0017	NA	10/19/94	VOCs	1,1,1-Trichloroethane	6.0 ug/m3	
					Benzene	**3.8 ug/m3**	**Ambient Air PRG (0.23)**
					Ethylbenzene	1.8 ug/m3	

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SUMMARY OF ANALYTICAL DATA
PARCEL 7351-034-043

Sample Media	Location	Depth (ft. bgs)	Date	Analysis Class	Analyte	Concentration	Screening Criteria Exceeded
Indoor Air	WAL0017	NA	10/19/94	VOCs	Methyl Ethyl Ketone	13 ug/m3	
					Styrene	0.62 ug/m3	
					Tetrachloroethene	**0.77 ug/m3**	**Ambient Air PRG (0.67)**
					Toluene	9.7 ug/m3	
					Xylenes (Total)	9.2 ug/m3	
			01/13/95	VOCs	1,1,1-Trichloroethane	17 ug/m3	
					Benzene	**0.95 ug/m3**	**Ambient Air PRG (0.23)**
					Ethylbenzene	0.79 ug/m3	
					Methyl Ethyl Ketone	6.9 ug/m3	
					Methylene chloride	0.63 ug/m3	
					Styrene	0.68 ug/m3	
					Tetrachloroethene	**0.68 ug/m3**	**Ambient Air PRG (0.67)**
					Toluene	2.6 ug/m3	
					Xylenes (Total)	4.2 ug/m3	
			04/03/95	VOCs	1,1,1-Trichloroethane	8.5 ug/m3	
					Ethylbenzene	1.2 ug/m3	
					Methyl Ethyl Ketone	13 ug/m3	
					Toluene	7.5 ug/m3	
					Xylenes (Total)	4.5 ug/m3	

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