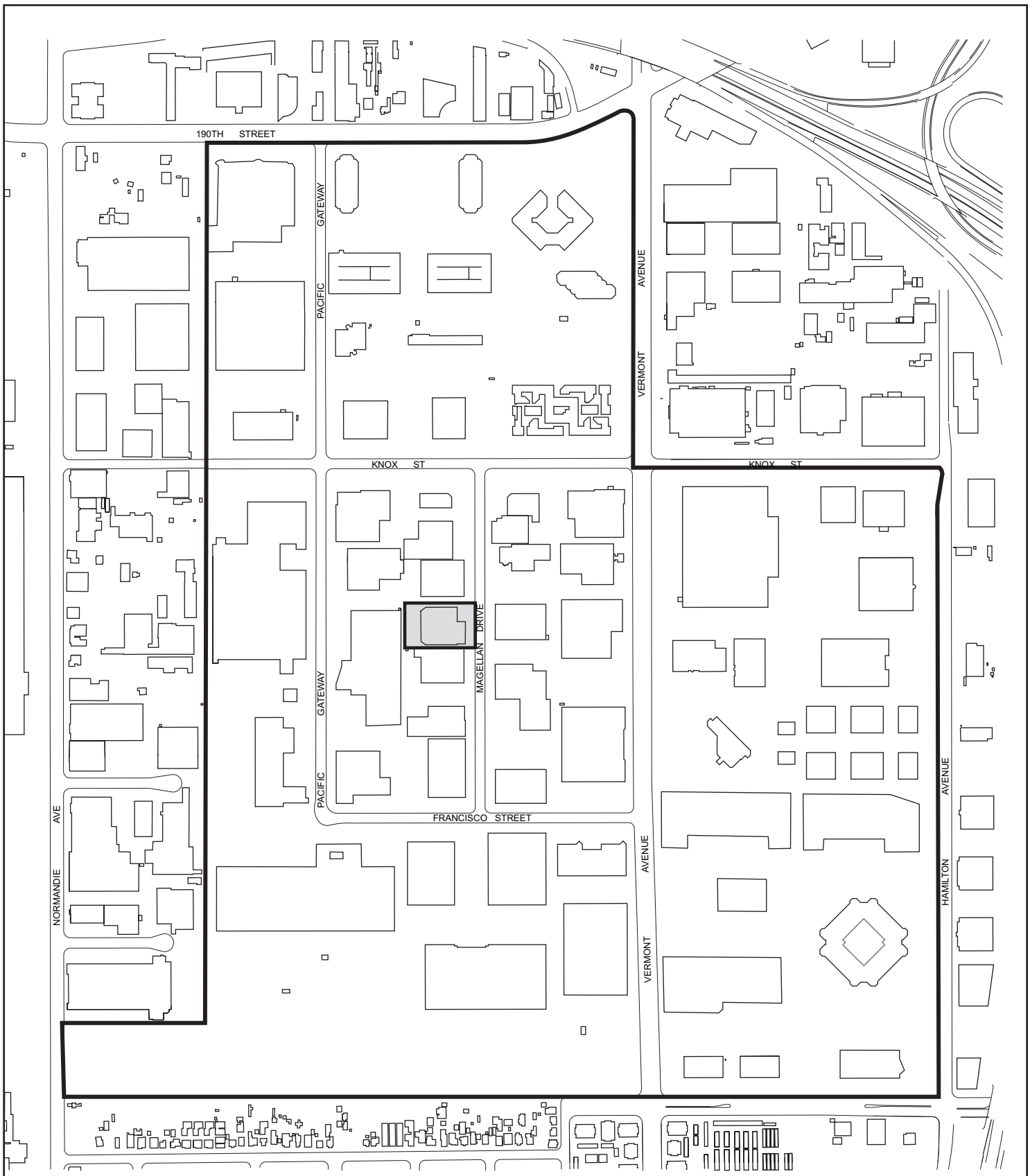
PARCEL 7351-034-041

Parcel 7351-034-041 is located in the northern portion of the former Styrene Plancor. Styrene was manufactured within the plancor as a component of synthetic rubber. Plancor processes conducted in the parcel area were associated with "styrene finishing," and wastewater treatment. Styrene finishing is inferred to be a purification process accomplished through fractionation. Former plancor facilities identified within the parcel area included:

- Tanks used for storage of styrene, ethylbenzene, benzene, toluene, and slop oil;
- A primary skimmer basin; and
- Underground pipelines used for transport of surface water runoff and/or wastewater.

By-products of the styrene finishing process may have included heavy oils, tar, and coke. These wastes were disposed of in the Waste Pit Area approximately 1,800 feet south of the parcel area, or recycled and used as boiler fuel.

T:\Ladd\DelAmo\794-162



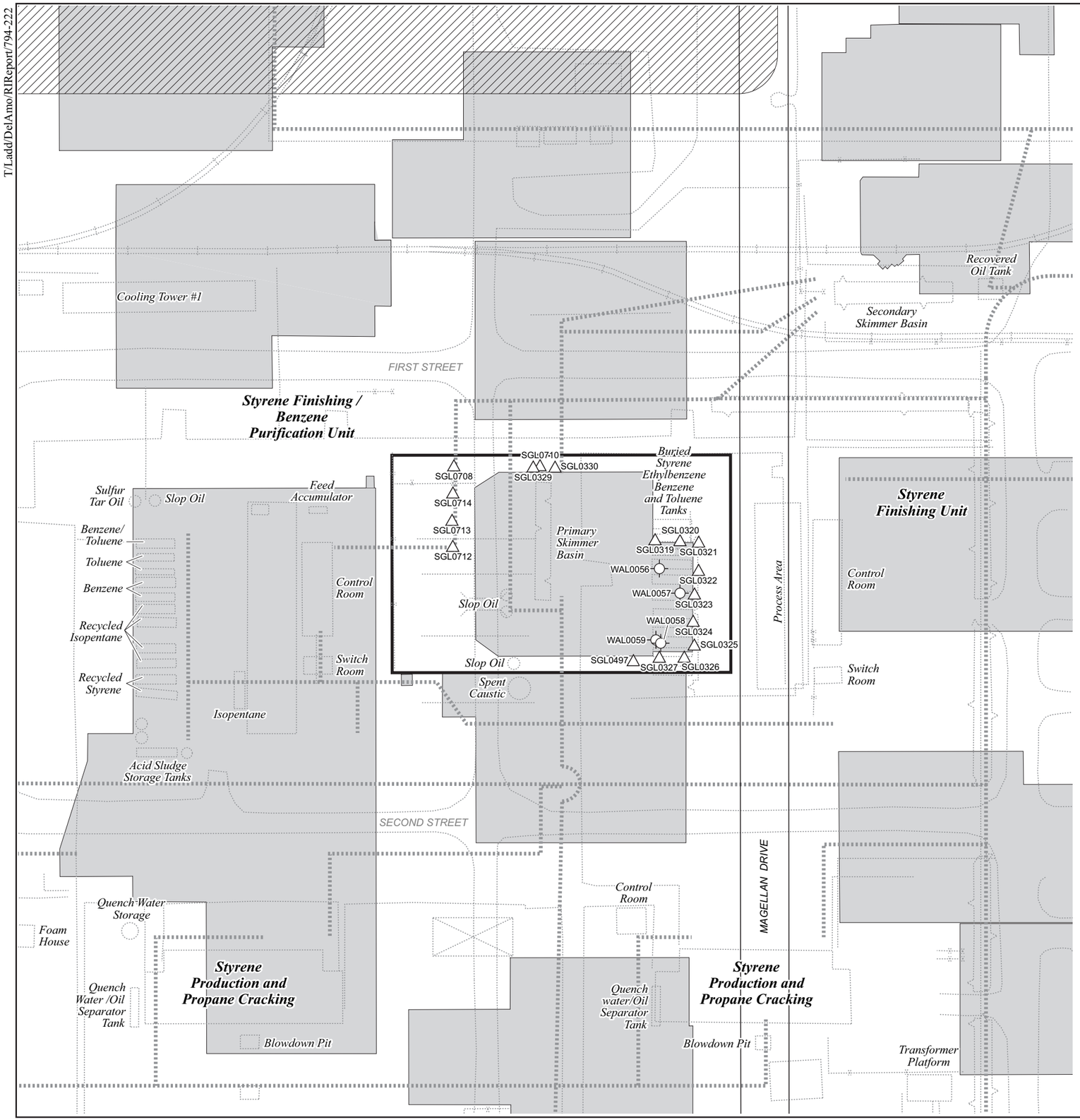
N

0 600 1,200

Scale in Feet

LOCATION MAP
Parcel 7351-034-041

T/Ladd/DelAmo/RIReport/794-222



Legend

- Soil gas sampling location
- 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
- Approximate former location of persistent soil staining

N

0 100 200

Scale in Feet

SAMPLING LOCATIONS AND HISTORICAL FEATURES
Parcel No. 7351-034-041

URS

SUMMARY OF ANALYTICAL DATA
PARCEL 7351-034-041

Sample Media	Location	Depth (ft. bgs)	Date	Analysis Class	Analyte	Concentration	Screening Criteria Exceeded
Shallow Soil Gas (<= 15')	SGL0319	6.50	05/05/93	VOCs		All ND	
	SGL0320	6.50	05/05/93	VOCs		All ND	
	SGL0321	6.50	05/05/93	VOCs		All ND	
	SGL0322	6.50	05/05/93	VOCs		All ND	
	SGL0323	6.50	05/05/93	VOCs		All ND	
	SGL0324	6.50	05/21/93	VOCs		All ND	
	SGL0325	6.50	05/05/93	VOCs		All ND	
	SGL0326	6.50	05/05/93	VOCs		All ND	
	SGL0327	6.00	05/05/93	VOCs	Benzene	7.2 ppmv	
					Ethylbenzene	32 ppmv	
					Styrene	2.1 ppmv	
					Toluene	9.2 ppmv	
	SGL0329	6.50	05/05/93	VOCs	Benzene	0.22 ppmv	
					Ethylbenzene	0.28 ppmv	
					Toluene	0.17 ppmv	
	SGL0330	6.50	05/05/93	VOCs		All ND	
	SGL0497	6.00	10/12/93	VOCs		All ND	
	SGL0708	7.00	03/30/94	VOCs	Tetrachloroethene	0.028 ppmv	
	SGL0710	7.00	03/30/94	VOCs	Benzene	0.30 ppmv	
					Ethylbenzene	1.7 ppmv	
					Styrene	0.080 ppmv	
					Toluene	0.18 ppmv	
					Xylenes (Total)	0.17 ppmv	
	SGL0712	7.00	03/31/94	VOCs	1,1,1-Trichloroethane	0.0083 ppmv	
					1,2,4-Trichlorobenzene	0.0038 ppmv	
					Acetone	0.012 ppmv	
					Carbon disulfide	0.0055 ppmv	
					Tetrachloroethene	0.071 ppmv	
	SGL0713	7.00	03/31/94	VOCs	Tetrachloroethene	0.0090 ppmv	
	SGL0714	7.00	03/31/94	VOCs		All ND	
Indoor Air	WAL0056	NA	12/21/94	VOCs	1,1,1-Trichloroethane	17 ug/m3	
					Benzene	**3.9 ug/m3**	**Ambient Air PRG (0.23)**
					Cyclohexane	5.0 ug/m3	
					Ethylbenzene	4.5 ug/m3	
					Methyl Ethyl Ketone	6.5 ug/m3	
					Methylene chloride	2.4 ug/m3	
					Styrene	2.9 ug/m3	

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SUMMARY OF ANALYTICAL DATA
PARCEL 7351-034-041

Sample Media	Location	Depth (ft. bgs)	Date	Analysis Class	Analyte	Concentration	Screening Criteria Exceeded
Indoor Air	WAL0056	NA	12/21/94	VOCs	**Tetrachloroethene**	**4.1 ug/m3**	**Ambient Air PRG (0.67)**
					Toluene	21 ug/m3	
					Trichloroethene	**0.57 ug/m3**	**Ambient Air PRG (0.017)**
					Xylenes (Total)	24 ug/m3	
			01/09/95	VOCs	1,1,1-Trichloroethane	5.8 ug/m3	
					Benzene	**3.4 ug/m3**	**Ambient Air PRG (0.23)**
					Chloroform	**0.80 ug/m3**	**Ambient Air PRG (0.35)**
					Cyclohexane	3.7 ug/m3	
					Ethylbenzene	0.74 ug/m3	
					Methyl Ethyl Ketone	3.4 ug/m3	
					Styrene	0.98 ug/m3	
					Toluene	4.7 ug/m3	
					Trichloroethene	**0.44 ug/m3**	**Ambient Air PRG (0.017)**
					Xylenes (Total)	4.1 ug/m3	
			04/11/95	VOCs	1,1,1-Trichloroethane	9.6 ug/m3	
					Benzene	**11 ug/m3**	**Ambient Air PRG (0.23)**
					Cyclohexane	2.0 ug/m3	
					Ethylbenzene	4.9 ug/m3	
					Methyl Ethyl Ketone	20 ug/m3	
					Methylene chloride	0.52 ug/m3	
					Styrene	0.62 ug/m3	
					Tetrachloroethene	**0.82 ug/m3**	**Ambient Air PRG (0.67)**
					Toluene	41 ug/m3	
					Trichloroethene	**0.62 ug/m3**	**Ambient Air PRG (0.017)**
					Xylenes (Total)	19 ug/m3	
	WAL0057	NA	12/21/94	VOCs	1,1,1-Trichloroethane	16 ug/m3	
					Benzene	**5.5 ug/m3**	**Ambient Air PRG (0.23)**
					Cyclohexane	5.2 ug/m3	
					Ethylbenzene	4.5 ug/m3	
					Methyl Ethyl Ketone	6.3 ug/m3	
					Methylene chloride	2.3 ug/m3	
					Styrene	2.8 ug/m3	
					Tetrachloroethene	**4.4 ug/m3**	**Ambient Air PRG (0.67)**
					Toluene	19 ug/m3	
					Trichloroethene	**0.97 ug/m3**	**Ambient Air PRG (0.017)**
					Xylenes (Total)	23 ug/m3	
			01/09/95	VOCs	1,1,1-Trichloroethane	4.6 ug/m3	

SUMMARY OF ANALYTICAL DATA
PARCEL 7351-034-041

Sample Media	Location	Depth (ft. bgs)	Date	Analysis Class	Analyte	Concentration	Screening Criteria Exceeded
Indoor Air	WAL0057	NA	01/09/95	VOCs	**Benzene**	**3.6 ug/m3**	**Ambient Air PRG (0.23)**
					Cyclohexane	3.6 ug/m3	
					Ethylbenzene	0.73 ug/m3	
					Styrene	0.80 ug/m3	
					Tetrachloroethene	0.50 ug/m3	
					Toluene	5.0 ug/m3	
					Trichloroethene	**1.1 ug/m3**	**Ambient Air PRG (0.017)**
					Xylenes (Total)	3.7 ug/m3	
			04/11/95	VOCs	1,1,1-Trichloroethane	9.5 ug/m3	
					Benzene	**2.8 ug/m3**	**Ambient Air PRG (0.23)**
					Ethylbenzene	2.2 ug/m3	
					Methyl Ethyl Ketone	14 ug/m3	
					Methylene chloride	0.57 ug/m3	
					Styrene	1.2 ug/m3	
					Tetrachloroethene	**0.86 ug/m3**	**Ambient Air PRG (0.67)**
					Toluene	28 ug/m3	
					Trichloroethene	**0.94 ug/m3**	**Ambient Air PRG (0.017)**
					Xylenes (Total)	11 ug/m3	
	WAL0058	NA	12/21/94	VOCs	1,1,1-Trichloroethane	16 ug/m3	
					Benzene	**3.5 ug/m3**	**Ambient Air PRG (0.23)**
					Cyclohexane	6.2 ug/m3	
					Ethylbenzene	3.0 ug/m3	
					Methyl Ethyl Ketone	6.2 ug/m3	
					Methylene chloride	2.2 ug/m3	
					Styrene	2.0 ug/m3	
					Tetrachloroethene	**1.6 ug/m3**	**Ambient Air PRG (0.67)**
					Toluene	25 ug/m3	
					Trichloroethene	**0.64 ug/m3**	**Ambient Air PRG (0.017)**
					Xylenes (Total)	15 ug/m3	
			01/09/95	VOCs	1,1,1-Trichloroethane	0.46 ug/m3	
					Benzene	**2.2 ug/m3**	**Ambient Air PRG (0.23)**
					Cyclohexane	2.0 ug/m3	
					Ethylbenzene	0.44 ug/m3	
					Toluene	2.2 ug/m3	
					Xylenes (Total)	3.4 ug/m3	
			04/11/95	VOCs	1,1,1-Trichloroethane	12 ug/m3	
					Benzene	**2.7 ug/m3**	**Ambient Air PRG (0.23)**

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SUMMARY OF ANALYTICAL DATA
PARCEL 7351-034-041

Sample Media	Location	Depth (ft. bgs)	Date	Analysis Class	Analyte	Concentration	Screening Criteria Exceeded
Indoor Air	WAL0058	NA	04/11/95	VOCs	Cyclohexane	2.0 ug/m3	
					Ethylbenzene	1.5 ug/m3	
					Methyl Ethyl Ketone	25 ug/m3	
					Methylene chloride	0.63 ug/m3	
					Styrene	1.0 ug/m3	
					Tetrachloroethene	**0.84 ug/m3**	**Ambient Air PRG (0.67)**
					Toluene	65 ug/m3	
					Trichloroethene	**0.40 ug/m3**	**Ambient Air PRG (0.017)**
					Xylenes (Total)	8.1 ug/m3	
	WAL0059	NA	12/21/94	VOCs	1,1,1-Trichloroethane	8.8 ug/m3	
					Benzene	**4.4 ug/m3**	**Ambient Air PRG (0.23)**
					Cyclohexane	4.4 ug/m3	
					Ethylbenzene	2.7 ug/m3	
					Methyl Ethyl Ketone	6.8 ug/m3	
					Methylene chloride	2.2 ug/m3	
					Styrene	1.3 ug/m3	
					Tetrachloroethene	**1.3 ug/m3**	**Ambient Air PRG (0.67)**
					Toluene	14 ug/m3	
					Xylenes (Total)	12 ug/m3	
			01/09/95	VOCs	1,1,1-Trichloroethane	4.4 ug/m3	
					Benzene	**2.6 ug/m3**	**Ambient Air PRG (0.23)**
					Cyclohexane	5.5 ug/m3	
					Ethylbenzene	0.71 ug/m3	
					Methyl Ethyl Ketone	3.9 ug/m3	
					Styrene	0.93 ug/m3	
					Tetrachloroethene	0.53 ug/m3	
					Toluene	4.4 ug/m3	
					Trichloroethene	**0.43 ug/m3**	**Ambient Air PRG (0.017)**
					Xylenes (Total)	3.9 ug/m3	
			04/11/95	VOCs	1,1,1-Trichloroethane	6.8 ug/m3	
					Benzene	**2.0 ug/m3**	**Ambient Air PRG (0.23)**
					Ethylbenzene	0.91 ug/m3	
					Methyl Ethyl Ketone	5.2 ug/m3	
					Styrene	0.59 ug/m3	
					Tetrachloroethene	0.49 ug/m3	
					Toluene	9.8 ug/m3	
					Xylenes (Total)	4.6 ug/m3	

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