

Appendix F
Former Frank's Used Cars
Historical Data

- F-1. Chemicals Detected in Soil
- F-2. Chemicals Detected in Groundwater

**Table F-1
Chemicals Detected in Soil
Former Frank's Used Cars**

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)	MTCA Cleanup Level ^a (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL) ^b (mg/kg)	Exceedance Factor
NATEX 1991	Feb-91	Frank-1		Aroclor-1248	0.65	0.5	1.3	1.3
Environmental Associates 1993	1992	Surface Composite 3		Arsenic	17	0.67	12000	25
Environmental Associates 1993	1992	Surface Composite 2		Arsenic	13	0.67	12000	19
Environmental Associates 1993	1992	Surface Composite 1		Arsenic	12	0.67	12000	18
Environmental Associates 1993	1992	Surface Composite 3		Barium	210	16000		<1
Ecology 1991i	Feb-91	Frank-1		Cadmium	14.5 J	2	34	7.3
Environmental Associates 1993	1992	Surface Composite 3		Cadmium	3.7	2	34	1.9
Environmental Associates 1993	1992	Surface Composite 2		Cadmium	2.7	2	34	1.4
Environmental Associates 1993	1992	Surface Composite 1		Cadmium	1.6	2	34	<1
Ecology 1991i	Feb-91	Frank-1		Chromium	372	19	5400	20
Environmental Associates 1993	1992	Surface Composite 3		Chromium	21	19	5400	1.1
Environmental Associates 1993	1992	TP2-2	4	Chromium	21	19	5400	1.1
Environmental Associates 1993	1992	Surface Composite 2		Chromium	18	19	5400	<1
Environmental Associates 1993	1992	Surface Composite 1		Chromium	15	19	5400	<1
Ecology 1991i	Feb-91	Frank-1		Copper	321	3000	780	<1
NATEX 1991	Feb-91	Frank-1		Ethylbenzene	18	6		3.0
NATEX 1991	Feb-91	Frank-1		Ethylbenzene	17 D	6		2.8
Environmental Associates 1993	1992	Surface Composite 2		Heavy Oil-Range Hydrocarbons	810	2000		<1
Environmental Associates 1993	1992	Surface Composite 3		Heavy Oil-Range Hydrocarbons	450	2000		<1
Environmental Associates 1993	1992	Surface Composite 1		Heavy Oil-Range Hydrocarbons	94	2000		<1
Ecology 1991i	Feb-91	Frank-1		Lead	995	250	1300	4.0
Environmental Associates 1993	1992	Surface Composite 3		Lead	370	250	1300	1.5
Environmental Associates 1993	1992	Surface Composite 2		Lead	230	250	1300	<1
Environmental Associates 1993	1992	Surface Composite 1		Lead	71	250	1300	<1
Environmental Associates 1993	1992	Surface Composite 2		Mercury	0.19	2	0.59	<1
Environmental Associates 1993	1992	Surface Composite 3		Mercury	0.11	2	0.59	<1
Ecology 1991i	Feb-91	Frank-1		Nickel	86.1			
Environmental Associates 1993	1992	Surface Composite 3		PCBs (total)	0.60	0.5	1.3	1.2
Environmental Associates 1993	1992	TP2-2	4	Selenium	75	400		
Environmental Associates 1993	1992	Surface Composite 1		Selenium	23	400		
Environmental Associates 1993	1992	Surface Composite 3		Selenium	23	400		
Environmental Associates 1993	1992	Surface Composite 2		Selenium	18	400		
Environmental Associates 1993	1992	Surface Composite 3		Silver	7.6	400	12	<1
NATEX 1991	Feb-91	Frank-1		Toluene	31 D	7		4.4

**Table F-1
Chemicals Detected in Soil
Former Frank's Used Cars**

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)	MTCA Cleanup Level ^a (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL) ^b (mg/kg)	Exceedance Factor
Environmental Associates 1993	1992	TP5-2	4	Total Petroleum Hydrocarbons	150	2000		<1
Environmental Associates 1993	1992	TP1-1	3	Total Petroleum Hydrocarbons	46	2000		<1
NATEX 1991	Feb-91	Frank-1		Total Volatile Petroleum Hydrocarbons	550 J	100		5.5
NATEX 1991	Feb-91	Frank-1		Xylene (total)	96 D	9		11
Ecology 1991i	Feb-91	Frank-1		Zinc	1332	24000	770	1.7

Table presents detected chemicals only.

Exceedance factors are the ratio of the detected concentration to the MTCA cleanup level or soil-to-sediment screening level, whichever is lower.

mg/kg - Milligram per kilogram

DW - Dry weight

MTCA - Model Toxics Control Act

CSL - SMS Cleanup Screening Level

PCB - Polychlorinated biphenyl

SMS - Sediment Management Standard (Washington Administrative Code 173-204)

J - Estimated value between the method detection limit and the laboratory reporting limit.

D - Diluted sample

^a - The lower of MTCA Method A or B cleanup levels was selected, from CLARC database

^b - Soil-to-sediment screening level, based on sediment CSLs (from SAIC 2006).

**Table F-2
Chemicals Detected in Groundwater
Former Frank's Used Cars**

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)	MTCA Cleanup Level ^a (ug/L)	GW-to-Sediment Screening Level (Based on CSL) ^b (ug/L)	Exceedance Factor
NATEX 1991	Feb-91	Frank-2	Acetone	41 J	800		<1

Table presents detected chemicals only.

Exceedance factors are the ratio of the detected concentration to the MTCA cleanup level or groundwater-to-sediment screening level, whichever is lower.

ug/L - Microgram per Liter

MTCA - Model Toxics Control Act

CSL - SMS Cleanup Screening Level

SMS - Sediment Management Standard (Washington Administrative Code 173-204)

J - Estimated value between the method detection limit and the laboratory reporting limit.

^a - The lower of MTCA Method A or B cleanup levels was selected, from CLARC database

^b - Groundwater-to-sediment screening level, based on sediment CSLs (from SAIC 2006).