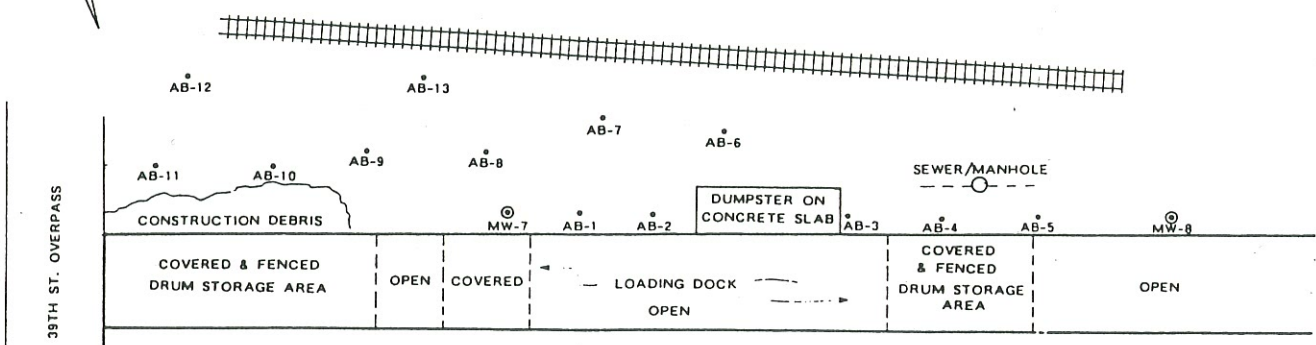


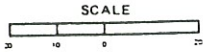


RAILROAD FREIGHT YARD



APPROX LOCATION OF SUMPS  
INSIDE BUILDING ●●

MW - MONITORING WELL  
AB - AUGER BORING



SOURCE "REMEDIAL INVESTIGATION REPORT  
STANDARD MOTOR PRODUCTS, INC."  
H2M GROUP - AUGUST 1992  
& ENVIROAUDIT LTD SITE  
OBSERVATIONS  
& FIELD INVESTIGATION

**ENVIROAUDIT** LTD

**STUDY AREA**

37-18 NORTHERN BOULEVARD  
LONG ISLAND CITY, N.Y.

PROJECT # 4-94-027      FIGURE 3

## Summary of Analytical Results

Sample ID:	95-341	95-342	95-343	95-344	95-345	95-346	95-347	95-348	NYSDEC Standards
Sample Location / Depth (feet):	MW-7 / 0-2	MW-7 / 5-7	MW-7 / 10-12	Field Blank	AB-1 / 0-2	AB-1 / 5-7	AB-1 / 10-12	AB-2 / 0-2	
Sample Date	09/26/1995	09/26/1995	09/26/1995	09/26/1995	09/26/1995	09/26/1995	09/26/1995	09/26/1995	
PID Readings (ppm)	NA	39.1	824	NA	835	203	1,370	466	
Lead TCLP (mg/l)	0.062	ND	0.022	NA	0.222	ND	0.028	0.386	
TPH (ppm)	8,800	1,400	490	NA	66,000	5,700	6,700	94,000	
VOCs - EPA 8240 (ppb)									
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	320	ND	ND	7900
1,1-Dichloroethane	360*	1,800*	ND	ND	41,000*	ND	580*	640,000*	200
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	100
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	400
cis-1,2-Dichloroethene	ND	1,100*	ND	ND	34,000*	ND	ND	ND	300
Ethylbenzene	ND	ND	4,500	ND	1,900	ND	ND	ND	5500
Methylene Chloride	770**	ND	3,500**	ND	4,900**	750**	660**	ND	100
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	ND	220*	ND	ND	34,000*	860	ND	ND	1400
1,1,1-Trichloroethane	2,400*	14,000*	1,500*	ND	1,600,000*	4,600*	ND	7,000,000*	760
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethene	500*	6,400*	ND	ND	820,000*	3,600*	ND	510,000*	700
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes	ND	ND	26,000*	ND	4,300*	ND	ND	ND	120
Total VOCs (ppb)	4,030	23,520*	35,500*	ND	2,540,100*	10,130*	1,240	8,150,000*	10,000
EPA METHOD 8015 (modified)									
TPH - GC (ppm)	NA	NA	NA	NA	NA	7100	7600	NA	
#4/#6 Fuel Oil (ppm)	NA	NA	NA	NA	NA	7100	7600	NA	

1. Only those compounds detected are listed in the above table
2. PID - Photo Ionization Detector
3. TPH - Total Petroleum Hydrocarbons
4. VOCs - Volatile Organic Compounds
5. ppb - parts per billion
6. ppm - parts per million
7. ND - not detected above the method detection limit
8. NA - Not analyzed
9. MTBE - Methyl tert Butyl Ether
10. TCLP - Toxicity Characteristic Leaching Procedure
11. ^ - detected in laboratory method blank
12. \* - over NYSDEC Standards
13. J - estimated value

**Table 1  
Summary of Soil Analytical Results**

Sample ID:	95-349	95-350	95-351	95-352	95-353	95-354	95-355	95-356	NYSDEC Standards
Sample Location / Depth (feet):	AB-2 / 10-12	AB-3 / 0-2	AB-3 / 5-7	AB-3 / 10-12	MW-8 / 0-2	MW-8 / 5-7	MW-8 / 10-12	AB-5 / 0-2	
Sample Date	09/26/1995	09/26/1995	09/26/1995	09/26/1995	09/26/1995	09/26/1995	09/26/1995	09/26/1995	
PID Readings (ppm)	978	18.2	14.6	18.6	102	15.3	7.6	15.3	
Lead TCLP (mg/l)	ND	0.624	ND	0.158	0.218	0.117	0.053	0.158	
TPH (ppm)	6,800	2,300	72	93	1,500	17	25	1,800	
VOCs - EPA 8240 (ppb)									
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	7900
1,1-Dichloroethane	910*	230*	ND	ND	ND	ND	ND	ND	200
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	100
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	400
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	300
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5500
Methylene Chloride	720**	ND	ND	ND	120**	ND	7*	ND	100
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	ND	96	ND	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	7,000*	3,500*	ND	ND	ND	ND	ND	320	1400
1,1,2-Trichloroethane	ND	ND	ND	ND	300	ND	ND	930*	760
Trichloroethene	ND	1,100*	ND	ND	ND	ND	ND	ND	700
Trichlorofluoromethane	ND	ND	ND	ND	68	ND	ND	990*	
Xylenes	810*	66	ND	ND	ND	ND	ND	ND	
Total VOCs (ppb)	9,440	5,012	ND	ND	488	ND	7	ND	120
EPA METHOD 8015 (modified)								2,240	10,000
TPH - GC (ppm)	NA	NA	NA	NA	NA	NA	NA	NA	
#4/#6 Fuel Oil (ppm)	NA	NA	NA	NA	NA	NA	NA	NA	

1. Only those compounds detected are listed in the above table
2. PID - Photo Ionization Detector
3. TPH - Total Petroleum Hydrocarbons
4. VOCs - Volatile Organic Compounds
5. ppb - parts per billion
6. ppm - parts per million
7. ND - not detected above the method detection limit
8. NA - Not analyzed
9. MTBE - Methyl tert Butyl Ether
10. TCLP - Toxicity Characteristic Leaching Procedure
11. ^ - detected in laboratory method blank
13. \* - over NYSDEC Standards
12. J - estimated value



**Table 1  
Summary of Soil Analytical Results**

Sample ID:	95-357	95-358	95-359	95-360	95-361	95-362	95-363	95-364	NYSDEC Standards
Sample Location / Depth (feet):	AB-5 / 5-7	AB-5 / 10-12	AB-4 / 0-2	AB-4 / 5-7	AB-4 / 10-12	Trip Blank	AB-6 / 0-2	AB-6 / 5-7	
Sample Date	09/26/1995	09/26/1995	09/26/1995	09/26/1995	09/26/1995	09/26/1995	09/27/1995	09/27/1995	
PID Readings	ND	12.2	15	24.5	17.8	NA	22	15.7	
Lead TCLP (mg/l)	ND	ND	0.115	ND	ND	NA	0.012	ND	
TPH (ppm)	31	13	3,500	13	78	NA	57	10	
VOCs - EPA 8240 (ppb)									
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	7900
1,1,1-Dichloroethane	ND	8	170	44	18	ND	ND	ND	200
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	100
1,1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	400
cis-1,2-Dichloroethene	ND	ND	ND	16	18	ND	ND	ND	300
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5500
Methylene Chloride	ND	10 <sup>^</sup>	140 <sup>^^</sup>	8	10	ND	ND	ND	100
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	13
Tetrachloroethene	ND	ND	100	ND	ND	ND	ND	ND	1400
1,1,1-Trichloroethane	ND	19	1,200 <sup>*</sup>	92	180	ND	6,300 <sup>*</sup>	ND	760
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethene	ND	10	470	13	82	ND	23,000 <sup>*</sup>	ND	700
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	
Total VOCs (ppb)	ND	47	2,080	173	308	ND	29,300 <sup>*</sup>	ND	120
EPA METHOD 8015 (modified)								13	10,000
TPH - GC (ppm)	NA	NA	NA	NA	NA	NA	NA	NA	
#4/#6 Fuel Oil (ppm)	NA	NA	NA	NA	NA	NA	NA	NA	

1. Only those compounds detected are listed in the above table 8. NA - Not analyzed  
 2. PID - Photo Ionization Detector 9. MTBE - Methyl tert Butyl Ether  
 3. TPH - Total Petroleum Hydrocarbons 10. TCLP - Toxicity Characteristic Leaching Procedure  
 4. VOCs - Volatile Organic Compounds 11. ^ - detected in laboratory method blank  
 5. ppb - parts per billion 12. J - estimated value  
 6. ppm - parts per million  
 7. ND - not detected above the method detection limit

Table 1  
Summary of Soil Analytical Results

Sample ID:	95-365	95-366	95-367	95-368	95-369	95-370	95-371	95-372	NYSDEC Standards
Sample Location / Depth (feet):	AB-6 / 10-12	AB-7 / 0-2	AB-7 / 5-7	AB-7 / 10-12	AB-8 / 0-2	AB-8 / 5-7	AB-8 / 10-12	AB-9 / 0-2	
Sample Date	09/27/1995	09/27/1995	09/27/1995	09/27/1995	09/27/1995	09/27/1995	09/27/1995	09/27/1995	
PID Readings (ppm)	9.2	90.4	23.3	16.8	300	60.1	20.7	26.8	
Lead TCLP (mg/l)	0.013	0.145	ND	ND	0.021	ND	ND	0.043	
TPH (ppm)	15	3,500	24	9	15,000	29	200	2,600	
VOCs - EPA 8240 (ppb)									
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	7900
1,1-Dichloroethane	ND	1,100*	ND	ND	2,500*	ND	ND	1,600*	200
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	100
1,1-Dichloroethene	ND	ND	ND	ND	1,100*	ND	ND	350	400
cis-1,2-Dichloroethene	ND	ND	ND	ND	1,700*	ND	ND	ND	300
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5500
Methylene Chloride	ND	1,100**	ND	ND	630**	ND	ND	510**	100
MTBE	ND	ND	18	ND	ND	6	ND	ND	
Tetrachloroethene	ND	1,400*	ND	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	ND	9,500*	ND	ND	140,000*	ND	86	20,000*	760
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethene	ND	38,000*	ND	ND	120,000*	ND	95	2,500*	700
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	
Total VOCs (ppb)	ND	51,000*	18	ND	265,950*	6	181	24,960*	10,000
EPA METHOD 801S (modified)									
TPH - GC (ppm)	NA	NA	NA	NA	NA	NA	NA	NA	
#4/#6 Fuel Oil (ppm)	NA	NA	NA	NA	NA	NA	NA	NA	

1. Only those compounds detected are listed in the above table 8. NA - Not analyzed  
 2. PID - Photo Ionization Detector 9. MTBE - Methyl tert Butyl Ether  
 3. TPH - Total Petroleum Hydrocarbons 10. TCLP - Toxicity Characteristic Leaching Procedure  
 4. VOCs - Volatile Organic Compounds 11. ^ - detected in laboratory method blank  
 5. ppb - parts per billion 13. \* - over NYSDEC Standards  
 6. ppm - parts per million 12. J - estimated value  
 7. ND - not detected above the method detection limit



**Table 1  
Summary of Soil Analytical Results**

Sample ID:	95-373	95-374	95-375	95-376	95-377	95-378	95-379	95-380	NYSDEC Standards
Sample Location / Depth (feet):	AB-9 / 5-7	AB-9 / 10-12	Field Blank	AB-10 / 0-2	AB-10 / 5-7	AB-10 / 10-12	AB-11 / 0-2	AB-11 / 5-7	
Sample Date	09/27/1995	09/27/1995	09/27/1995	09/27/1995	09/27/1995	09/27/1995	09/27/1995	09/27/1995	
PID Readings	26.8	25.5	19.4	9.7	24.5	65	21.4	27.7	
Lead TCLP (mg/l)	ND	0.014	NA	0.127	ND	ND	0.015	ND	
TPH (ppm)	13	30	NA	2,800	99	21	7,500	43	
VOCs - EPA 8240 (ppb)									
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	280	ND	7900
1,1-Dichloroethane	ND	ND	ND	1,600*	ND	ND	6,200*	ND	200
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	310	ND	100
1,1-Dichloroethene	ND	ND	ND	240	ND	ND	930*	ND	400
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	290	ND	300
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5500
Methylene Chloride	7	ND	7^	620*	ND	ND	3,200*	ND	100
MTBE	8	7	ND	ND	160	30	ND	78	
Tetrachloroethene	ND	ND	ND	760	ND	ND	2,300*	ND	1400
1,1,1-Trichloroethane	ND	ND	ND	13,000*	ND	ND	39,000*	ND	760
1,1,2-Trichloroethane	ND	ND	ND	190	ND	ND	840	ND	
Trichloroethene	ND	ND	ND	5,300*	ND	ND	10,000*	ND	700
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	890	ND	
Xylenes	ND	ND	ND	ND	ND	ND	790*	ND	120
Total VOCs (ppb)	15	7	7	21,710*	160	30	65,030*	78	10,000
EPA METHOD 8015 (modified)									
TPH - GC (ppm)	NA	NA	NA	NA	NA	25	NA	NA	
#4/#6 Fuel Oil (ppm)	NA	NA	NA	NA	NA	25	NA	NA	

1. Only those compounds detected are listed in the above table 8. NA - Not analyzed  
 2. PID - Photo Ionization Detector 9. MTBE - Methyl tert Butyl Ether  
 3. TPH - Total Petroleum Hydrocarbons 10. TCLP - Toxicity Characteristic Leaching Procedure  
 4. VOCs - Volatile Organic Compounds 11. ^ - detected in laboratory method blank  
 5. ppb - parts per billion 13. \* - over NYSDEC Standards  
 6. ppm - parts per million 12. J - estimated value  
 7. ND - not detected above the method decision limit

**Table 1**  
**Summary of Soil Analytical Results**

Sample ID:	95-381	95-382	95-383	95-384	95-385	95-386	95-387	95-388	NYSDEC Standards
Sample Location / Depth (feet):	AB-11 / 10-12	AB-12 / 0-2	AB-12 / 5-7	AB-12 / 10-12	AB-13 / 0-2	AB-13 / 5-7	AB-13 / 10-12	Trip Blank	
Sample Date	09/27/1995	09/27/1995	09/27/1995	09/27/1995	09/27/1995	09/27/1995	09/27/1995	09/27/1995	
PID Readings (ppm)	24.7	35.1	33.1	43.7	31.1	30.6	25.1	NA	
Lead TCLP (mg/l)	ND	0.105	ND	ND	0.09	ND	ND	NA	
TPH (ppm)	7	5,900	15	68	420	120	15	NA	
VOCs - EPA 8240 (ppb)									
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	7900
1,1,1-Dichloroethane	ND	2,200*	ND	ND	1,300*	ND	ND	ND	200
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	100
1,1,1-Dichloroethene	ND	ND	ND	ND	300	ND	ND	ND	400
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	300
Ethylbenzene	ND	ND	12	ND	ND	ND	ND	ND	5500
Methylene Chloride	37^	870*	ND	58^	930*	10^	8^	7^	100
MTBE	ND	ND	ND	94	ND	ND	ND	ND	
Tetrachloroethene	ND	ND	ND	ND	1,000	ND	ND	ND	1400
1,1,1-Trichloroethane	ND	3,700*	ND	ND	14,000j*	ND	ND	ND	760
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethene	ND	1,300*	ND	ND	4,700*	ND	ND	ND	700
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes	ND	ND	38	53	ND	ND	ND	ND	120
Total VOCs (ppb)	37	8,070	50	205	22,230*	10	8	7	10,000
EPA METHOD 8015 (modified)									
TPH - GC (ppm)	NA	NA	NA	NA	NA	NA	NA	NA	
#4/#6 Fuel Oil (ppm)	NA	NA	NA	NA	NA	NA	NA	NA	

1. Only those compounds detected are listed in the above table 8. NA - Not analyzed  
 2. PID - Photo Ionization Detector 9. MTBE - Methyl tert Butyl Ether  
 3. TPH - Total Petroleum Hydrocarbons 10. TCLP - Toxicity Characteristic Leaching Procedure  
 4. VOCs - Volatile Organic Compounds 11. ^ - detected in laboratory method blank  
 5. ppb - parts per billion 13. \* - over NYSDEC Standards  
 6. ppm - parts per million 12. j - estimated value  
 7. ND - not detected above the method detection limit



**Table 2  
Summary of Groundwater Analytical Results**

Sample ID.	95-389	95-390	95-392	95-393	95-394	95-395	95-396	NYSDEC Standards
Sample Location	Trip Blank	Field Blank	MW-6	MW-7	MW-8	Shallow Sump	Deep Sump	
Sample Date	10/11/95	10/11/95	10/11/95	10/11/95	10/11/95	10/11/95	10/11/95	
TPH (ppm)	NA	NA	ND	4.2	ND	ND	ND	
Inorganic Analysis (ppm)								
Iron	NA	NA	0.16	18	0.12	0.56	ND	
Lead	NA	NA	ND	ND	ND	ND	ND	300
Magnesium	NA	NA	16.2	13.2	11.2	33.4	31.6	25
Calcium	NA	NA	79.3	80.9	69.0	97.0	88.3	35,000
Hardness as CaCO3	NA	NA	215	256	218	379	350	Not listed
VOCs - EPA 8240 (ppb)								Not listed
Benzene	ND	ND	ND	ND	ND	7*	ND	0.7
Chloroethane	ND	ND <sup>1</sup>	ND	ND	ND	17*	ND	5
1,1-Dichloroethane	ND	ND	ND	6,800*	ND	26*	ND	5
cis-1,2-Dichloroethene	ND	ND	ND	1,200*	ND	14*	ND	5
MTBE	ND	ND	9	380*	53*	37*	ND	50
Tetrachloroethene	ND	ND	65*	ND	ND	ND	ND	5
1,1,1-Trichloroethane	ND	ND	ND	4,700*	ND	24*	ND	5
Trichloroethene	ND	ND	11*	810*	ND	8*	ND	5
Vinyl Chloride	ND	ND	ND	ND	ND	3*	ND	2
Xylenes	ND	ND	ND	350*	ND	7*	ND	5
Total VOCs (ppb)	ND	ND	85	14,240	53	143	ND	

1. Only those compounds detected are listed in the above table  
 2. PID - Photo Ionization Detector  
 3. TPH - Total Petroleum Hydrocarbons  
 4. VOCs - Volatile Organic Compounds  
 5. ppm - parts per million  
 6. ppb - parts per billion  
 7. ND - not detected above the method detection limit  
 8. Not analyzed  
 9. MTBE - Methyl tert Butyl Ether  
 10. TCLP - Toxicity Characteristic Leaching Procedure  
 11. ^ - detected in laboratory method blank  
 12. J - estimated value  
 13. \* - over NYSDEC Standards