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Due Care Plan

Green Point Landfill Property, Saginaw Michigan

September 25, 2007

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1. General Site Information

1.1 Site Description

The Green Point Landfill property, roughly 170 acres in size, is located south of the General Motors Corporation (GM) Saginaw Malleable Iron (SMI) Plant, on the west side of the Saginaw River and north of the confluence of the Shiawassee and Tittabawassee Rivers, in the City of Saginaw in Saginaw County, Michigan (Figure 1). The property is bounded on the north by the SMI property and other property owned by the Remediation and Liability Management Company, Inc. (REALM), and a junkyard, on the west by property used for miscellaneous equipment and junk storage, and on the south by agricultural property. There are two high voltage power lines, owned by Consumers Energy, which bound the Green Point Landfill to the east and separate the landfill from the eastern farm field. There are no buildings on site, but the property does include the 30 acre Type II Green Point Landfill. The property is currently vacant and fenced.

The topography of the property is generally flat (with the exception of the Green Point Landfill), and is below the 100 year floodplain in many areas. Areas above the flood plain include the Green Point Landfill and a constructed base for a previously proposed landfill, south of the Green Point Landfill. There are a number of constructed drainage ditches, which provide storm water control on the property and two constructed sedimentation basins that are part of the surface water drainage controls for the Green Point Landfill cap. There are also wetland areas south and west of the landfill. The land east of the Green Point Landfill, referred to as the eastern property extension, was previously farmed, and contains a mitigation wetland.

1.2 Known Operational History

This property was previously owned by Ruben Schultz, a local excavation contractor and scrap yard dealer. Mr. Schultz owned and operated the Green Point Landfill as a municipal landfill, which accepted both residential and industrial wastes until its closure in 1978. He leased the eastern portion of the property to a local farmer to grow corn and soybeans. On the portion of the property southwest of the Green Point Landfill (noted on Figure 1 as the Drum Remediation Area [DRA]), he sold the top soil and filled in the area with various wastes, including drummed wastes. The main portion of the property was sold to the GM SMI Plant in 1982. GM intended to construct a process waste landfill south of the Green Point Landfill and had constructed the landfill base in accordance with a temporary permit. Final permit approval from the State of

Michigan was never granted and the landfill was never built. Following a flood of the property, drummed wastes were observed in the DRA area. GM instituted a drum removal program in two phases, which included geophysical surveys, test pitting and waste removal. As part of a Consent Judgment between GM and the State of Michigan for the combined Green Point Landfill and SMI property, the former landfill received a new composite cap (completed in 1999) and remaining DRA waste (in an area at the western end of the DRA referred to as the hillock) was removed and consolidated in the Green Point Landfill prior to capping (1998). In 2000, the property containing the Green Point Landfill was legally transferred to a wholly owned GM subsidiary, REALM. REALM also purchased the eastern property extension located east of the original landfill property in 1998, to allow completion of the cap and future monitoring of the groundwater around the landfill.

1.3 Geology

An understanding of the site geology has been developed through soil and groundwater investigations on the property, as well as investigations of the surrounding properties. In descending order, the following overburden deposits are present: fill material (present in some areas), glaciolacustrine silty sand underlain by a silty clay unit, and a coarse sand. The sand layer pinches out on the western edge of the site and splits into two units separated by a thin clay layer to the east, toward the Saginaw River. Below the sand layers is a silty clay/clay till that extends to bedrock. Bedrock was encountered on a neighboring property at 86 feet below grade. Bedrock beneath the site is a shale of the Pennsylvanian Saginaw Formation. Appendix A includes subsurface cross sections of the area.

1.4 Hydrogeology

Groundwater flow is generally eastward toward the River, although flow has been locally influenced by the Green Point Landfill, which has characteristic radial flow immediately around the landfill. Potentiometric and water table contours are shown on Figures 3-14 and 3-18 from the Remedial Investigation Report, which are included in Appendix A. Mean hydraulic conductivities for the various overburden units are as follows; 1.54×10^{-3} centimeters per second (cm/sec) for fill material, 1.05×10^{-3} cm/sec for silts, 1.41×10^{-3} cm/sec for the upper sand unit, 3.86×10^{-3} cm/sec for the lower sand unit, 1.07×10^{-6} cm/sec for the upper silty clay and 12.83×10^{-6} cm/sec for the lower silty clay.

Drinking water in the area is provided by the City of Saginaw, which obtains its water from Lake Huron. Groundwater in the overburden and bedrock is not utilized for drinking water in the area of the property, and is unlikely to be utilized in the future.

1.5 Analytical Information

Groundwater, soil, surface water, and sediment analytical data are presented in Tables 1 through 14. Sampling locations are depicted on Figures 2, 3, and 4. Analytical data indicate that there are exceedances of Part 201 Generic Residential Criteria in soil and groundwater. Therefore, the property is a Facility.

1.6 Land Use

The property is vacant with no routine activities other than maintenance of the landfill cap and wetland mitigation areas located along the southern property boundary and east of the landfill. Additionally, groundwater wells are periodically sampled. Due to the nature of the site, industrial criteria have been used to evaluate the data.

1.7 Barriers

Barriers include fencing around the Facility, a soil cap placed over the excavated hillock area, and the composite cap of the landfill. A portion of the surface soils excavated for the mitigation wetland located east of the landfill, that contained furan compounds above Generic Industrial Criteria, were covered in a berm by unaffected deeper soils. The remaining soil was used as backfill at the base of a drainage channel located on the SMI property during 2004.

1.8 Potential Receptors

There are no residential receptors at the Facility as the property is and is anticipated to remain industrial. The property is currently not actively used and has no routine worker contact, other than workers hired specifically for maintenance of the landfill and wetlands, and sampling of the wells. These workers are present only during specified times of the year. Trespassers enter the property, presumably to hunt, and holes are repeatedly cut in the site fence.

2. Potential Exposure Pathways

2.1 Surface Water Pathway

There are a number of surface water bodies onsite, including engineered storm water drainage ditches and landfill sedimentation basins. This is an unlikely potential exposure pathway, although trespassers could fall into the surface water bodies. No work is routinely done in the surface water bodies, and workers would wear protective clothing such as waders.

2.2 Sediment Pathway

This is an unlikely pathway except for investigation personnel, as there is no routine work done in these areas, but it is a potential pathway for trespassers if they were to fall into the surface water bodies.

2.3 Groundwater Pathway

Drinking Water - This is not a current or reasonable future pathway. Drinking water comes from the City and there will be a future deed restriction placed on the property to prevent the use of groundwater at this site for drinking water purposes.

Groundwater Contact - This is a potential pathway if excavation occurs to the water table and when groundwater monitoring wells are sampled.

Inhalation (volatile) acute - This is a potential pathway if workers are present on the site.

Inhalation (volatile) indoor air - This is not a current pathway as there are no buildings present on the property. It is a potential future pathway if buildings were placed on the property.

2.4 Soil Pathway

Direct Contact – Contact with surface and subsurface soils is a potential pathway for workers if excavation occurred on the property or other activities on the soil surface.

Inhalation (particulate) - This is a potential pathway, although the site is highly vegetated and unlikely to yield high levels of particulates.

Inhalation (volatile) ambient - This is a potential pathway if future site use entailed workers in the area.

Inhalation (volatile) indoor - This is not a current pathway, as no buildings are present on this property. This is a potential future pathway if buildings were placed onsite.

3. Evaluation of Data With Respect to Potentially Complete Pathways and Receptors

The scopes of investigations at this site have been developed to evaluate industrial land use of the property. Tables of the analytical data and Figures 2, 3, and 4 showing sampling locations are attached to this plan. For discussion purposes, the site has been divided into the following four areas:

- The Green Point Landfill;
- Eastern Property Extension;
- Drum Remediation Area (DRA); and
- Other Areas.

Data for each site area are grouped together in the data tables to facilitate review. Note that there are a number of exceedances of generic Michigan Department of Environmental Quality (MDEQ) industrial drinking water criteria in groundwater, and exceedances of generic MDEQ groundwater protection criteria in soil at the Site. Since Site groundwater is not currently used as a drinking water source, and a deed restriction preventing future use of groundwater as a drinking water source is being proposed as part of the Site Remedial Action Plan, comparison of Site data to the drinking water criteria is not discussed in the following sections. For reference, Tables 1 through 4 do show a comparison of groundwater data to generic MDEQ industrial drinking water criteria, and tables 5 through 8 show a comparison of soil data to the generic MDEQ groundwater protection criteria.

3.1 Surface Water

Table 9 presents surface water sampling data and Figure 2 shows surface water sampling locations. There were no exceedances of generic MDEQ groundwater contact criteria, which were used to screen the data.

3.2 Sediment

Tables 10, 11, 12 and 13 present chemical data available for sediment. Sediment data have been compared to generic MDEQ soil criteria as a conservative screening step, since sediment screening data have not been developed by the MDEQ.

Direct Contact - There are no exceedances of generic direct contact criteria.

Inhalation (particulate) ambient - There were several samples which exceed particulate inhalation criteria for manganese. Currently these sediments are under water and this pathway would not apply.

3.3 Groundwater

Tables 1, 2, 3, and 4 present analytical data for groundwater. A number of groundwater samples collected in the vicinity of the landfill and in the northern portion of the DRA (Figure 3 shows sample locations) were found to exceed the generic screening criteria.

3.3.1 Green Point Landfill

Groundwater Contact - Groundwater contact criteria is exceeded for bis-2-ethylhexyl phthalate, benzo-a-anthracene, benzo-a-pyrene, benzo-b-fluoranthene, chrysene, indeno(1,2,3-cd) pyrene, and PCBs.

Inhalation volatile (acute) - There are no exceedances of these criteria.

3.3.2 Drum Remediation Area

Groundwater Contact – The groundwater contact criteria was exceeded for vinyl chloride at TWW-1.

Inhalation volatile (acute) - There are no exceedances of these criteria.

Inhalation volatile (indoor) – The groundwater volatilization to indoor air inhalation criteria was exceeded for vinyl chloride at TWW-1.

3.3.3 Other Areas (Areas around drainage ditches and west and south of landfill including Central Type III Landfill, Previously Proposed Type III Landfill, Saginaw River Area, and the Southern Drainage Channels)

Groundwater Contact - Two samples exceeded direct contact criteria for bis-2-ethylhexyl phthalate in the first round of sampling, but were non-detect in the second round. In both initial cases, the blank was contaminated as well.

Inhalation volatile (acute) - There are no exceedances of these criteria.

Inhalation volatile (indoor) - There are no exceedances of these criteria.

3.4 Soil Pathway

Tables 5, 6, 7, and 8 present analytical soil data. Figure 4 shows the sampling locations.

3.4.1 Green Point Landfill

There are no soil samples available from the Green Point Landfill. However, there is a composite cap on the landfill, which prevents contact with soil or waste.

3.4.2 Eastern Property Extension

Direct Contact - There are two exceedances of these criteria for furan. This data was taken in the area of the proposed wetland and is attached as a separate table. There is also elevated arsenic (although not above industrial direct contact in the samples collected).

Inhalation (particulate) ambient - Manganese exceeds particulate inhalation criteria in four samples collected from a depth of two to four feet (BH03, BH04, BH05, and BH06).

Inhalation volatile (ambient) - There are no exceedances of these criteria.

Inhalation volatile (indoor) - There are no exceedances of these criteria.

3.4.3 Drum Remediation Area

Direct Contact - Lead exceeds direct contact criteria at TP6 and TP12 at a depth of 8 feet. The PCB direct contact criteria were exceeded in TP12 at a depth of 8 feet. Xylenes exceeded direct contact in TP6 at a depth of 8 feet. The following semi-volatiles exceeded direct contact at a depth of 8 feet in TP2 for anthracene, benzo-a-anthracene, benzo-a-pyrene, and benzo-b-fluoranthene. These samples were collected from test pits in an area that was later excavated and then covered with fill material.

Inhalation (particulate) ambient - Manganese exceeds inhalation criteria in TP2, TP6 and TP12 at a depth of 8 feet. Chromium exceeds inhalation criteria in TP12 at a depth of 8 feet.

Inhalation volatile (ambient) - Phenanthrene exceeds inhalation criteria in TP2 at a depth of 8 feet.

Inhalation volatile (indoor) - There are no exceedances of these criteria.

Inhalation volatile (indoor) - There are no exceedances of these criteria.

4. Procedures for Maintenance of Due Care

There are currently no drinking water wells on the property and groundwater is not utilized for drinking. The installation of monitoring wells to provide drinking water is not allowed by REALM. Deed restrictions will be placed on the property to prevent future installation of drinking water wells.

The only contact with site groundwater would come during monitoring well sampling or excavation activities. There are no underground utilities on the property. Any proposed subsurface work will require a Health and Safety Plan that provides protection to workers from direct contact and inhalation exposure.

The only exceedances of inhalation criteria for soil are in a few samples for particulate inhalation for manganese on the eastern farm field at a depth of 2-4 feet. These samples are below the surface and this area receives very little truck traffic. If there is a period of truck traffic during dry months the area will be sprayed with water to prevent dust. Any personnel will be notified of existing data prior to work on the property.

There are exceedances of direct contact and inhalation criteria in the DRA and in the eastern farm field. The DRA hillock area was excavated to the water table during capping and a soil cap placed on the area, which prevents direct contact and particulate inhalation of remaining contaminants. This soil cap will be maintained.

Anyone working on the property must abide by appropriate Health and Safety requirements and meet appropriate training requirements for their activities and the contaminants, if known. There is fencing around the property.

Any subsurface work done on this site must be cleared through Cheryl Hiatt or Ed Peterson of REALM. All workers must be shown the available data appropriate to their work area in this plan and have the potential risks explained before activities take place.

The landfill cap will be monitored and maintained to prevent erosion. If more frequent routine activities are proposed in the future, ambient air inhalation will be evaluated from a routine worker perspective on a task-specific basis.

No excavation or construction will be allowed in the eastern property extention field, hillock area of the former DRA, or landfill areas without a Health and Safety plan, which protects against the contaminants. Additional sampling must be conducted if building construction is contemplated.

There are no subsurface utilities or easement holders on the Green Point property. A strip of land between the Green Point Landfill and the eastern property extension is owned by Consumers Energy. Consumers Energy was sent a Notice of Migration of Contamination (Appendix B).

This Due Care Plan will be reviewed and updated as needed to incorporate new data, changes in the MDEQ criteria, or if changes are proposed to the current property use.

5. Contact Personnel

Contact persons for the site include:

Cheryl Hiatt; GM Remediation – (248) 753-5799

Ed Peterson; GM Remediation – (248) 753-5849

Documentation of Due Care

Anyone who will be working in areas where groundwater, soil, surface water, or sediment concentrations exceed the appropriate criteria must acknowledge that a REALM representative has reviewed available data for that area with them.

5.1 Signatures

Please print, sign and date your name below, acknowledging that you have reviewed the analytical data presented in this plan that is pertinent to your activities, and that you understand the potential risks and health and safety requirements in working at this Site.

Print Name	Signature	Date

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Generic MDEQ Criteria Values					Central Type III Landfill X-2A 07/15/95	Central Type III Landfill X-2A 06/12/96	Central Type III Landfill X-2A 05/19/00
		FE	GAI	GCC	IDW	IGVIA			
Volatile Organics									
1,1-Dichloroethane	mg/L	380	{ID}	2,400	2.5	2,300	ND(0.0010)	NA	ND(0.0010)
1,1-Dichloroethene	mg/L	97 {I}	140 {I}	11 {I}	0.007 {I,A}	1.3 {I}	ND(0.0010)	NA	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	{NA}	{ID}	0.39	0.0002 {A}	1.2 {S}	NA	NA	NA
1,2-Dichlorobenzene	mg/L	{NA}	160 {S}	160 {S}	0.6 {A}	160 {S}	ND(0.0010)	ND(0.0050)	NA
1,2-Dichloroethene (total)	mg/L	--	--	--	--	--	ND(0.0010)	NA	ND(0.0010)
1,3-Dichlorobenzene	mg/L	{ID}	{ID}	2	0.019	{ID}	ND(0.0010)	ND(0.0050)	NA
1,4-Dichlorobenzene	mg/L	{NA}	{ID}	6.4	0.075 {A}	74 {S}	ND(0.0010)	ND(0.0050)	NA
1,4-Dioxane	mg/L	140,000 {I}	{ID}	1,700 {I}	0.35 {I}	{NLV}	NA	NA	NA
2-Butanone	mg/L	{ID}	240,000 {I,S}	240,000 {I,S}	38 {I}	240,000 {I,S}	ND(0.050 J)	NA	ND(0.010)
2-Hexanone	mg/L	{NA}	{ID}	5,200	2.9	8,700	ND(0.050)	NA	ND(0.010)
4-Methyl-2-pentanone	mg/L	{ID}	20,000 {I,S}	13,000 {I}	5.2 {I}	20,000 {S}	ND(0.050)	NA	ND(0.010)
Acetone	mg/L	15,000 {I}	1,000,000 {I,D}	31,000 {I}	2.1 {I}	1,000,000 {I,D,S}	ND(0.050 J)	NA	ND(0.010)
Acrolein	mg/L	6,700 {I}	340 {I}	3,400 {I}	0.33 {I}	4.2 {I}	NA	NA	NA
Benzene	mg/L	68 {I}	67 {I}	11 {I}	0.005 {I,A}	35 {I}	ND(0.0010)	NA	0.00036 J
Bromodichloromethane	mg/L	{ID}	{ID}	14	0.08 {A,W}	37	ND(0.0010)	NA	ND(0.0010)
Bromoform	mg/L	{ID}	{ID}	140	0.08 {A,W}	3,100 {S}	ND(0.0010)	NA	ND(0.0010)
Bromomethane	mg/L	{ID}	{ID}	70	0.029	9	ND(0.0010)	NA	ND(0.0010)
Carbon Disulfide	mg/L	13 {I,R}	{ID}	1,200 {I,R,S}	2.3 {I,R}	550 {I,R}	ND(0.050)	NA	ND(0.0010)
Chlorobenzene	mg/L	160 {I}	{ID}	86 {I}	0.1 {I,A}	470 {I,S}	ND(0.0010)	NA	ND(0.0010)
Chloroethane	mg/L	110	{ID}	440	1.7	5,700 {S}	ND(0.0010)	NA	ND(0.0010)
Chloroform	mg/L	{ID}	{ID}	150	0.08 {A,W}	180	ND(0.0010)	NA	ND(0.0010)
Chloromethane	mg/L	36 {I}	210 {I}	490 {I}	1.1 {I}	45 {I}	ND(0.0010)	NA	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	530	{ID}	200	0.07 {A}	210	ND(0.0010)	NA	ND(0.00050)
Cyclohexane	mg/L	--	--	--	--	--	NA	NA	NA
Dibromochloromethane	mg/L	{ID}	{ID}	18	0.08 {A,W}	110	ND(0.0010)	NA	ND(0.0010)
Ethylbenzene	mg/L	43 {I}	170 {I,S}	170 {I,S}	0.074 {I,E}	170 {I,S}	ND(0.0010)	NA	ND(0.0010)
Isobutanol	mg/L	{ID}	{ID}	25,000 {I}	6.7 {I}	76,000 {I,S}	NA	NA	NA
Isopropylbenzene	mg/L	29	{ID}	56 {S}	2.3	56 {S}	NA	NA	NA
Methyl cyclohexane	mg/L	--	--	--	--	--	NA	NA	NA
Methyl tert-butyl ether	mg/L	{ID}	{ID}	610	0.04 {E}	47,000 {S}	NA	NA	NA
Methylene Chloride	mg/L	{ID}	{ID}	220	0.005 {A}	1,400	ND(0.0010)	NA	ND(0.0010)
Propionitrile	mg/L	--	--	--	--	--	NA	NA	NA
Styrene	mg/L	140	310 {S}	9.7	0.1 {A}	310 {S}	ND(0.0010)	NA	ND(0.0010)
Toluene	mg/L	61 {I}	{ID}	530 {I,S}	0.79 {I,E}	530 {I,S}	ND(0.0010)	NA	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	230	{ID}	220	0.1 {A}	200	ND(0.0010)	NA	ND(0.00050)
trans-1,4-Dichloro-2-butene	mg/L	--	--	--	--	--	NA	NA	NA
Trichloroethene	mg/L	{ID}	1,100 {S}	22	0.005 {A}	97	ND(0.0010)	NA	ND(0.0010)
Vinyl Chloride	mg/L	33	{ID}	1	0.002 {A}	13	ND(0.0010)	NA	ND(0.0010)
Total Xylenes	mg/L	70 {I}	190 {I,S}	190 {I,S}	0.28 {I,E}	190 {I,S}	ND(0.0030)	NA	ND(0.0010)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Central Type III Landfill X-2A 06/18/01	Central Type III Landfill X-2A 06/26/02	Central Type III Landfill X-2A 06/17/03	Central Type III Landfill X-2A 05/25/04	Central Type III Landfill X-2A 06/22/05	Central Type III Landfill X-2A 12/12/06
Volatile Organics							
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017 J)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	ND(0.0020)	NA	NA	NA	ND(0.0010)
1,2-Dichlorobenzene	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	NA	NA	NA	0.00070 J	NA
1,3-Dichlorobenzene	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)
1,4-Dichlorobenzene	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.010)	ND(0.010)	ND(0.0020)	ND(0.0033 J)	ND(0.025)	0.0016 J
2-Hexanone	mg/L	ND(0.010)	ND(0.010)	ND(0.0020)	ND(0.0033 J)	ND(0.050)	ND(0.050)
4-Methyl-2-pentanone	mg/L	ND(0.0050)	ND(0.010)	ND(0.0020)	ND(0.0033 J)	ND(0.050)	ND(0.050)
Acetone	mg/L	ND(0.010)	ND(0.010 J)	ND(0.0020 J)	ND(0.0083 J)	ND(0.025)	ND(0.025 J)
Acrolein	mg/L	NA	NA	NA	NA	NA	NA
Benzene	mg/L	0.00057 J	0.00071 J	0.00060 J	ND(0.0017)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0050)	ND(0.0050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.00050)	ND(0.00050)	ND(0.0010)	ND(0.0017)	0.00070 J	ND(0.0010)
Cyclohexane	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	ND(0.0010)	NA	NA	NA	0.00062 J
Methyl cyclohexane	mg/L	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)
Methyl tert-butyl ether	mg/L	NA	ND(0.0050)	NA	NA	NA	ND(0.0050)
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017 J)	ND(0.0050)	ND(0.0050)
Propionitrile	mg/L	NA	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.00050)	ND(0.00050)	ND(0.0010)	ND(0.0017)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	0.0020	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0015 J	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0020)	0.00055 J

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Central Type III Landfill X-2B 07/15/95	Central Type III Landfill X-2B 12/12/06	Central Type III Landfill X-2C 07/15/95	Central Type III Landfill X-2C 12/12/06	Central Type III Landfill X-2DAUG 07/15/95
Volatile Organics						
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	ND(0.0010)	NA	ND(0.0010)	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.050 J)	0.00051 J	ND(0.050 J)	ND(0.025)	ND(0.050 J)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Acetone	mg/L	ND(0.050 J)	ND(0.025 J)	ND(0.050 J)	ND(0.025 J)	ND(0.050 J)
Acrolein	mg/L	NA	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050)	ND(0.0050)	ND(0.050)	ND(0.0050)	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	ND(0.0010)	NA	ND(0.0010)	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	ND(0.0050)	NA	ND(0.0050)	NA
Methyl cyclohexane	mg/L	NA	ND(0.0010)	NA	ND(0.0010)	NA
Methyl tert-butyl ether	mg/L	NA	ND(0.0050)	NA	ND(0.0050)	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0050)	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	0.00021 J	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	0.00053 J	ND(0.0030)	ND(0.0020)	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area MW-123S1 07/18/95	Drum Remediation/Wetland Area MW-123WT 07/18/95	Drum Remediation/Wetland Area MW-124S1 07/19/95	Drum Remediation/Wetland Area MW-124WT 07/19/95
Volatile Organics					
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050 J)	ND(0.050 J)
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050 J)	ND(0.050 J)
Acetone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Acrolein	mg/L	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010 J)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	0.0045 J	ND(0.050)	ND(0.050)	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area MW-126WT 07/30/95	Drum Remediation/Wetland Area MW-126WT 06/06/96	Drum Remediation/Wetland Area MW-127S1 07/26/95	Drum Remediation/Wetland Area MW-127WT 07/26/95
Volatile Organics					
1,1-Dichloroethane	mg/L	0.21	0.18	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0062)	ND(0.0083)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	R	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0062)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	0.12	0.22	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0062)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0062)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	R	NA	NA	NA
2-Butanone	mg/L	ND(0.031 J)	ND(0.42)	ND(0.050)	ND(0.050)
2-Hexanone	mg/L	ND(0.031)	ND(0.42)	R	R
4-Methyl-2-pentanone	mg/L	ND(0.031)	ND(0.42)	ND(0.050)	ND(0.050)
Acetone	mg/L	ND(0.062 J)	ND(0.83)	ND(0.050)	ND(0.050)
Acrolein	mg/L	R	NA	NA	NA
Benzene	mg/L	ND(0.0062)	ND(0.042)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0062)	ND(0.0083)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0062)	ND(0.0083)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0062)	ND(0.0083)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.0062)	ND(0.42)	ND(0.050)	ND(0.050)
Chlorobenzene	mg/L	ND(0.0062)	ND(0.0083)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	0.13	0.040	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0062)	ND(0.0083)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0062)	ND(0.0083)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	0.12 (IDW)	0.22 (IDW)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0062)	ND(0.0083)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0062)	ND(0.0083)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	R	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0062)	ND(0.042)	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	R	NA	NA	NA
Styrene	mg/L	ND(0.0062)	ND(0.0083)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0062)	ND(0.0083)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0062)	ND(0.0083)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	R	NA	NA	NA
Trichloroethene	mg/L	0.012 (IDW)	0.017 (IDW)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	0.15 (IDW)	0.27 (IDW)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0062)	ND(0.025)	ND(0.0030)	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area TW-223S1 02/01/95	Drum Remediation/Wetland Area TW-223S2 02/01/95	Drum Remediation/Wetland Area TW-223WT 02/01/95	Drum Remediation/Wetland Area TW-224S1 02/02/95
Volatile Organics					
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.050 J)	ND(0.050 J)	ND(0.050 J)
2-Hexanone	mg/L	R	R	R	R
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Acetone	mg/L	R	ND(0.050 J)	ND(0.050 J)	R
Acrolein	mg/L	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area TW-224WT 02/02/95	Drum Remediation/Wetland Area TW-225S1 02/03/95	Drum Remediation/Wetland Area TW-225WT 02/02/95	Drum Remediation/Wetland Area TW-226S1 02/02/95
Volatile Organics					
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.050 J)	ND(0.050)	ND(0.050 J)	ND(0.050)
2-Hexanone	mg/L	R	R	R	R
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Acetone	mg/L	R	ND(0.050 J)	ND(0.050 J)	R
Acrolein	mg/L	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area TW-241WT 08/08/98	Drum Remediation/Wetland Area TW-242WT 08/08/98	Drum Remediation/Wetland Area TWW-1 01/25/97	Drum Remediation/Wetland Area TWW-1 08/08/98
Volatile Organics					
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.33)	ND(0.20)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.33)	ND(0.20)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.20)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	0.0015	NA	8.0
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.20)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.20)
1,4-Dioxane	mg/L	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.050)	ND(17)	ND(2.0)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(17)	ND(2.0)
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	ND(17)	ND(2.0)
Acetone	mg/L	ND(0.10)	ND(0.10)	ND(33)	ND(2.0)
Acrolein	mg/L	NA	NA	NA	NA
Benzene	mg/L	ND(0.0050)	ND(0.0050)	ND(1.7)	ND(1.0)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.33)	ND(0.20)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.33)	ND(0.20)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.33)	ND(0.20)
Carbon Disulfide	mg/L	ND(0.050)	ND(0.050)	ND(17)	ND(1.0)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.33)	ND(0.20)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.33)	ND(0.20)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.33)	ND(0.20)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.33)	ND(0.20)
cis-1,2-Dichloroethene	mg/L	NA	NA	9.6 (IDW)	NA
Cyclohexane	mg/L	NA	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.33)	ND(0.20)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.33)	ND(0.20)
Isobutanol	mg/L	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0050)	ND(0.0050)	ND(1.7)	ND(1.0)
Propionitrile	mg/L	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.33)	ND(0.20)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.33)	ND(0.20)
trans-1,2-Dichloroethene	mg/L	NA	NA	ND(0.33)	NA
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	0.63 (IDW)	ND(0.20)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	2.0 (GCC, IDW)	1.7 (GCC, IDW)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030)	ND(1.0)	ND(0.60)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area TWW-1 05/18/99	Drum Remediation/Wetland Area TWW-1 05/21/00	Drum Remediation/Wetland Area TWW-2 01/23/97	Drum Remediation/Wetland Area X-11AR 07/26/95
Volatile Organics					
1,1-Dichloroethane	mg/L	ND(0.25 D) [ND(0.25 D)]	ND(0.25)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.25 D) [ND(0.25 D)]	0.051 J (IDW)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/L	NA	NA	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	11 D [10 D]	8.8	NA	ND(0.0010)
1,3-Dichlorobenzene	mg/L	NA	NA	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,4-Dichlorobenzene	mg/L	NA	NA	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA	NA
2-Butanone	mg/L	ND(1.3 D) [ND(1.3 D)]	ND(2.5)	ND(0.050) [ND(0.050)]	ND(0.050)
2-Hexanone	mg/L	ND(1.3 D) [ND(1.3 D)]	ND(2.5)	ND(0.050) [ND(0.050)]	R
4-Methyl-2-pentanone	mg/L	ND(1.3 D) [ND(1.3 D)]	ND(2.5)	ND(0.050) [ND(0.050)]	ND(0.050)
Acetone	mg/L	ND(1.3 JD) [ND(1.3 JD)]	ND(2.5)	ND(0.10) [ND(0.10)]	0.0053 J
Acrolein	mg/L	NA	NA	NA	NA
Benzene	mg/L	ND(0.25 D) [ND(0.25 D)]	ND(0.25)	ND(0.0050) [ND(0.0050)]	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.25 D) [ND(0.25 D)]	ND(0.25)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Bromoform	mg/L	ND(0.25 D) [ND(0.25 D)]	ND(0.25)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Bromomethane	mg/L	ND(0.25 JD) [ND(0.25 D)]	ND(0.25)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.25 D) [ND(0.25 D)]	ND(0.25)	ND(0.050) [ND(0.050)]	ND(0.050)
Chlorobenzene	mg/L	ND(0.25 D) [ND(0.25 D)]	ND(0.25)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chloroethane	mg/L	ND(0.25 JD) [ND(0.25 D)]	ND(0.25)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chloroform	mg/L	ND(0.25 D) [ND(0.25 D)]	ND(0.25)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chloromethane	mg/L	ND(0.25 JD) [ND(0.25 D)]	ND(0.25)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	NA	8.8 (IDW)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.25 D) [ND(0.25 D)]	ND(0.25)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Ethylbenzene	mg/L	ND(0.25 D) [ND(0.25 D)]	ND(0.25)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA	NA
Methylene Chloride	mg/L	ND(1.3 JD) [ND(1.3 JD)]	ND(0.25)	ND(0.0050) [ND(0.0050)]	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA	NA
Styrene	mg/L	ND(0.25 D) [ND(0.25 D)]	ND(0.25)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Toluene	mg/L	ND(0.25 D) [ND(0.25 D)]	ND(0.25)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	NA	0.040 J	ND(0.0010) [ND(0.0010)]	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.25 D) [ND(0.25 D)]	ND(0.25)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Vinyl Chloride	mg/L	0.33 D (IDW) [0.39 D (IDW)]	2.3 (GCC,IDW)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Total Xylenes	mg/L	ND(0.50) [ND(0.50)]	ND(0.25)	ND(0.0030) [ND(0.0030)]	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area X-12AR 07/26/95	Drum Remediation/Wetland Area X-12B 07/26/95	Drum Remediation/Wetland Area X-12B 06/05/96	Drum Remediation/Wetland Area X-12CAUG 07/26/95
Volatile Organics					
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.050)	NA	ND(0.050)
2-Hexanone	mg/L	R	R	NA	R
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	NA	ND(0.050)
Acetone	mg/L	0.0038 J	ND(0.050)	NA	ND(0.050)
Acrolein	mg/L	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050)	ND(0.050)	NA	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030)	NA	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area X-15AR 07/19/95	Drum Remediation/Wetland Area X-15BR 07/19/95	Drum Remediation/Wetland Area X-15BR 06/05/96	Drum Remediation/Wetland Area X-20 07/25/95
Volatile Organics					
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0042)	NA	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0042)	NA	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0042)	ND(0.0050)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0042)	NA	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0042)	ND(0.0050)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0042)	ND(0.0050)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.21)	NA	ND(0.050)
2-Hexanone	mg/L	ND(0.050 J)	ND(0.21 J)	NA	R
4-Methyl-2-pentanone	mg/L	ND(0.050 J)	ND(0.21 J)	NA	ND(0.050)
Acetone	mg/L	ND(0.050)	0.071 J	NA	0.0058 J
Acrolein	mg/L	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0042)	NA	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0042)	NA	ND(0.0010)
Bromoform	mg/L	ND(0.0010 J)	ND(0.0042 J)	NA	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0042)	NA	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050)	ND(0.21)	NA	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0042)	NA	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0042)	NA	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0042)	NA	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0042)	NA	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0042)	NA	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0042)	NA	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0042)	NA	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0042)	NA	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0042)	NA	ND(0.0010)
Toluene	mg/L	ND(0.0028)	ND(0.0043)	NA	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0042)	NA	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0042)	NA	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0042)	NA	ND(0.0010)
Total Xylenes	mg/L	ND(0.0044)	ND(0.0056)	NA	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Eastern Property Extension MW-2A 07/27/95	Eastern Property Extension MW-2B 07/27/95	Eastern Property Extension MW-2B 06/11/96	Eastern Property Extension MW-2CAUG 07/27/95	Green Point Landfill MW-117SI 12/13/06
Volatile Organics						
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA	NA	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.050)	NA	ND(0.050)	ND(0.025 J)
2-Hexanone	mg/L	R	R	NA	R	ND(0.050 J)
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	NA	ND(0.050)	ND(0.050)
Acetone	mg/L	ND(0.050)	0.0091 J	NA	ND(0.050)	ND(0.025 J)
Acrolein	mg/L	NA	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	0.00065 J
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050)	ND(0.050)	NA	ND(0.050)	ND(0.0050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA	NA	ND(0.0010)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA	NA	ND(0.0050)
Methyl cyclohexane	mg/L	NA	NA	NA	NA	ND(0.0010)
Methyl tert-butyl ether	mg/L	NA	NA	NA	NA	ND(0.0050)
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0050)
Propionitrile	mg/L	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030)	NA	ND(0.0030)	ND(0.0020)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill MW-128S1 07/26/95	Green Point Landfill MW-128S1 05/19/00	Green Point Landfill MW-128S1 06/20/01	Green Point Landfill MW-128S1 06/26/02	Green Point Landfill MW-128S1 06/18/03	Green Point Landfill MW-128S1 05/25/04	Green Point Landfill MW-128S1 06/22/05
Volatile Organics								
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010) [ND(0.0010)]
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA	ND(0.0020)	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	ND(0.0010)	NA	NA	NA
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA	NA	ND(0.0020) [ND(0.0020)]
1,3-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	ND(0.0010)	NA	NA	NA
1,4-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	ND(0.0010)	NA	NA	NA
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0020)	ND(0.0020 J)	0.00098 J [0.0011 J]
2-Hexanone	mg/L	R	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0020)	ND(0.0020 J)	ND(0.050) [ND(0.050)]
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0020)	0.00048 J	ND(0.050) [ND(0.050)]
Acetone	mg/L	0.0067 J	ND(0.010)	ND(0.010)	ND(0.010 J)	ND(0.0020)	ND(0.0057 J)	0.0016 J [0.0022 J]
Acrolein	mg/L	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010)	0.00028 J	0.00027 J	0.00033 J	0.00050 J	ND(0.0010)	0.00049 J [0.00050 J]
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Carbon Disulfide	mg/L	ND(0.050)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050) [ND(0.0050)]
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Cyclohexane	mg/L	NA	NA	NA	ND(0.0010)	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Isobutanol	mg/L	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA	ND(0.0010)	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA	ND(0.0010)	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA	0.00025 J	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0050) [ND(0.0050)]
Propionitrile	mg/L	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0020 [0.0020]
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Total Xylenes	mg/L	ND(0.0030)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020) [ND(0.0020)]

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill MW-128SI 12/12/06	Green Point Landfill MW-128WT 07/26/95	Green Point Landfill MW-128WT 05/19/00	Green Point Landfill MW-128WT 06/20/01	Green Point Landfill MW-128WT 06/26/02	Green Point Landfill MW-128WT 06/18/03	Green Point Landfill MW-128WT 05/25/04
Volatile Organics								
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0020)	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	NA	NA
1,2-Dichloroethene (total)	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	NA	NA
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)	NA	NA
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA	NA	NA
2-Butanone	mg/L	0.0027 J	ND(0.050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0020)	ND(0.0020 J)
2-Hexanone	mg/L	ND(0.050)	R	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0020)	ND(0.0020 J)
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0020)	ND(0.0020 J)
Acetone	mg/L	ND(0.025 J)	0.0073 J	ND(0.010)	ND(0.010)	ND(0.010 J)	ND(0.0020)	ND(0.0086 J)
Acrolein	mg/L	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.0050)	ND(0.050)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0010)	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	0.00062 J	NA	NA	NA	ND(0.0010)	NA	NA
Methyl cyclohexane	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0010)	NA	NA
Methyl tert-butyl ether	mg/L	ND(0.0050)	NA	NA	NA	0.00018 J	NA	NA
Methylene Chloride	mg/L	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)
Propionitrile	mg/L	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0015
Total Xylenes	mg/L	0.0059	ND(0.0030)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill MW-128WT 06/22/05	Green Point Landfill MW-128WT 12/13/06	Green Point Landfill MW-129WT 07/28/95	Green Point Landfill MW-129WT 06/12/96	Green Point Landfill MW-129WT 09/17/04	Green Point Landfill X-1A 07/29/95	Green Point Landfill X-1A 06/10/96
Volatile Organics								
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0036)	ND(0.0021)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0036)	ND(0.0021)
1,2-Dibromo-3-chloropropane	mg/L	NA	ND(0.0020)	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/L	NA	ND(0.0020)	ND(0.0010)	ND(0.0010)	NA	ND(0.0036)	ND(0.0021)
1,2-Dichloroethene (total)	mg/L	ND(0.0020)	NA	0.0019	ND(0.0010)	0.0011 J [0.0011 J]	ND(0.0036)	ND(0.0021)
1,3-Dichlorobenzene	mg/L	NA	ND(0.0020)	ND(0.0010)	ND(0.0010)	NA	ND(0.0036)	ND(0.0021)
1,4-Dichlorobenzene	mg/L	NA	ND(0.0020)	ND(0.0010)	ND(0.0010)	NA	ND(0.0036)	ND(0.0021)
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA	NA	NA
2-Butanone	mg/L	0.0014 J	ND(0.050 J)	ND(0.050 J)	ND(0.050)	ND(0.025) [ND(0.025)]	ND(0.18)	ND(0.10)
2-Hexanone	mg/L	ND(0.050)	ND(0.10 J)	ND(0.050)	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.18)	ND(0.10)
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.10)	ND(0.050)	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.18)	ND(0.10)
Acetone	mg/L	0.0044 J	ND(0.050 J)	ND(0.050 J)	ND(0.10)	ND(0.025) [ND(0.025)]	ND(0.18)	ND(0.21)
Acrolein	mg/L	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0050)	ND(0.0010) [ND(0.0010)]	0.0095 (IDW)	0.0087 J (IDW)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0036)	ND(0.0021)
Bromoform	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0036)	ND(0.0021)
Bromomethane	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010 J) [ND(0.0010 J)]	ND(0.0036)	ND(0.0021)
Carbon Disulfide	mg/L	ND(0.0050)	ND(0.010)	ND(0.050)	ND(0.050)	ND(0.0050) [ND(0.0050)]	ND(0.18)	ND(0.10)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0036)	ND(0.0021)
Chloroethane	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	0.066	0.065
Chloroform	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0036)	ND(0.0021)
Chloromethane	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010 J) [ND(0.0010 J)]	ND(0.0036)	ND(0.0021)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0020)	0.0019	ND(0.0010)	0.0011 [0.0011 J]	ND(0.0036)	ND(0.0021)
Cyclohexane	mg/L	NA	ND(0.0020)	NA	NA	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0036)	ND(0.0021)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0036)	ND(0.0021)
Isobutanol	mg/L	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	ND(0.010)	NA	NA	NA	NA	NA
Methyl cyclohexane	mg/L	NA	ND(0.0020)	NA	NA	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	ND(0.010)	NA	NA	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0050)	ND(0.010)	ND(0.0010)	ND(0.0050)	ND(0.0050 J) [ND(0.0050 J)]	ND(0.0036)	ND(0.0050)
Propionitrile	mg/L	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0036)	ND(0.0021)
Toluene	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0036)	ND(0.0021)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0036)	ND(0.0021)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/L	0.00099 J	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0036)	ND(0.0021)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	0.00059 J [0.00060 J]	ND(0.0036)	ND(0.0021)
Total Xylenes	mg/L	ND(0.0020)	ND(0.0040)	ND(0.0030)	ND(0.0030)	ND(0.0020) [ND(0.0020)]	ND(0.011)	ND(0.0062)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-1A 05/23/00	Green Point Landfill X-1A 06/20/01	Green Point Landfill X-1A 06/25/02	Green Point Landfill X-1A 06/17/03	Green Point Landfill X-1A 05/25/04	Green Point Landfill X-1A 06/21/05	Green Point Landfill X-1A 12/12/06
Volatile Organics								
1,1-Dichloroethane	mg/L	0.00035 J	ND(0.0020)	0.00054 J	0.00038 J	0.00051 J	ND(0.0017)	0.00035 J
1,1-Dichloroethene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	ND(0.0020)	NA	NA	NA	ND(0.0010)
1,2-Dichlorobenzene	mg/L	NA	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0020)	ND(0.0020)	NA	NA	NA	ND(0.0033)	NA
1,3-Dichlorobenzene	mg/L	NA	NA	ND(0.0010)	NA	NA	NA	ND(0.0010)
1,4-Dichlorobenzene	mg/L	NA	NA	0.00032 J	NA	NA	NA	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.020 J)	ND(0.020)	ND(0.010)	ND(0.0020)	ND(0.0020 J)	0.0011 J	ND(0.025)
2-Hexanone	mg/L	ND(0.020)	ND(0.020)	ND(0.010)	ND(0.0020)	ND(0.0020 J)	ND(0.084)	ND(0.050)
4-Methyl-2-pentanone	mg/L	ND(0.020)	ND(0.010)	ND(0.010)	ND(0.0020)	ND(0.0020 J)	ND(0.084)	ND(0.050)
Acetone	mg/L	ND(0.020)	ND(0.020)	ND(0.010)	ND(0.0020 J)	ND(0.0024 J)	ND(0.042)	ND(0.025 J)
Acrolein	mg/L	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/L	0.0080 (IDW)	0.0093 (IDW)	0.0062 (IDW)	0.0044	0.0054 (IDW)	0.0045	0.0047
Bromodichloromethane	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)
Bromoform	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)
Bromomethane	mg/L	0.00034 J	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00086 J	ND(0.0050)
Chlorobenzene	mg/L	0.00033 J	0.00033 J	0.00021 J	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)
Chloroethane	mg/L	0.032	0.042	0.015	0.0085	0.0084	0.0069	0.0068
Chloroform	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)
Chloromethane	mg/L	ND(0.0020 J)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	0.00023 J	ND(0.0010)	0.00045 J	ND(0.0010)	0.00030 J	ND(0.0017)	0.00028 J
Cyclohexane	mg/L	NA	NA	0.00028 J	NA	NA	NA	0.00028 J
Dibromochloromethane	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	0.0092	NA	NA	NA	0.0028 J
Methyl cyclohexane	mg/L	NA	NA	0.00048 J	NA	NA	NA	ND(0.0010)
Methyl tert-butyl ether	mg/L	NA	NA	ND(0.0050)	NA	NA	NA	ND(0.0050)
Methylene Chloride	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0084)	ND(0.0050)
Propionitrile	mg/L	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)
Toluene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.00050)	ND(0.0010)	ND(0.0010)	ND(0.0017)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0015 J	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0010)	ND(0.0010)	0.0011	ND(0.0017)	ND(0.0010)
Total Xylenes	mg/L	0.0025	0.0023	0.00078 J	0.00077 J	0.00099 J	0.0014 J	0.0023

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-1B 07/29/95	Green Point Landfill X-1B 05/24/00	Green Point Landfill X-1B 06/20/01	Green Point Landfill X-1B 06/25/02	Green Point Landfill X-1B 06/17/03	Green Point Landfill X-1B 05/25/04	Green Point Landfill X-1B 06/21/05
Volatile Organics								
1,1-Dichloroethane	mg/L	ND(0.0010)	0.00013 J	0.00018 J	ND(0.0020)	ND(0.0010)	ND(0.0010 J)	ND(0.0017)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0017)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA	ND(0.0040)	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	ND(0.0020)	NA	NA	NA
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA	NA	ND(0.0033)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	ND(0.0020)	NA	NA	NA
1,4-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	ND(0.0020)	NA	NA	NA
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.010 J)	ND(0.010)	ND(0.020)	ND(0.0020)	ND(0.0020 J)	ND(0.042)
2-Hexanone	mg/L	ND(0.050)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.0020)	ND(0.0020 J)	ND(0.084)
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.010)	ND(0.0050)	ND(0.020)	ND(0.0020)	ND(0.0020 J)	ND(0.084)
Acetone	mg/L	0.0055 J	ND(0.016)	ND(0.011)	ND(0.020)	ND(0.0020 J)	ND(0.0032 J)	0.0057 J
Acrolein	mg/L	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/L	0.0019	0.0012	0.0022	0.0017 J	0.00053 J	0.0011	0.0018
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0017)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0017)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0017)
Carbon Disulfide	mg/L	ND(0.050)	0.00014 J	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	0.00054 J
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0017)
Chloroethane	mg/L	0.013	0.011	0.015	0.0084	0.0012	0.0033	0.0042
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0017)
Chloromethane	mg/L	ND(0.0010)	0.00046 J	0.00088 J	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0017)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.00050)	ND(0.00050)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)
Cyclohexane	mg/L	NA	NA	NA	ND(0.0020)	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0017)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0017)
Isobutanol	mg/L	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA	ND(0.0020)	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA	ND(0.0020)	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA	ND(0.010)	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010 J)	ND(0.0084)
Propionitrile	mg/L	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0017)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0017)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.00050)	ND(0.00050)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0017)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	0.0021
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0017)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0010)	0.00063 J	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0033)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-1B 12/12/06	Green Point Landfill X-1CR 07/29/95	Green Point Landfill X-1CR 06/10/96	Green Point Landfill X-1CR 05/24/00	Green Point Landfill X-1CR2 07/29/95	Green Point Landfill X-1CR2 06/11/96	Green Point Landfill X-1CR2 11/26/01
Volatile Organics								
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0083)	0.00051 J	0.00022 J	ND(0.0010)	NA	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0083)	ND(0.0012)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	ND(0.0010)	R	NA	NA	NA	NA	ND(0.0020)
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0083)	ND(0.0012)	NA	ND(0.0010)	ND(0.0050)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	NA	ND(0.0083)	ND(0.0012)	ND(0.0010)	ND(0.0010)	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0083)	ND(0.0012)	NA	ND(0.0010)	ND(0.0050)	0.00015 J
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0083)	ND(0.0012)	NA	ND(0.0010)	ND(0.0050)	ND(0.0010)
1,4-Dioxane	mg/L	NA	R	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.025)	ND(0.042 J)	ND(0.062)	ND(0.010 J)	ND(0.050)	NA	ND(0.010 J)
2-Hexanone	mg/L	ND(0.050)	ND(0.042)	ND(0.062)	ND(0.010)	ND(0.050)	NA	ND(0.010 J)
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.042)	ND(0.062)	ND(0.010)	ND(0.050)	NA	ND(0.010)
Acetone	mg/L	ND(0.025 J)	ND(0.083 J)	ND(0.12)	ND(0.010)	0.0050 J	NA	ND(0.010 J)
Acrolein	mg/L	NA	R	NA	NA	NA	NA	NA
Benzene	mg/L	0.0019	0.010 (IDW)	0.0093 (IDW)	0.0027	ND(0.0010)	NA	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0083)	ND(0.0012)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0083)	ND(0.0012)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0083)	ND(0.0012)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.0050)	ND(0.0083)	ND(0.062)	0.00012 J	ND(0.050)	NA	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0083)	ND(0.0012)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Chloroethane	mg/L	0.0037	0.040	0.043	0.0059	ND(0.0010)	NA	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0083)	ND(0.0012)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0083)	ND(0.0012)	ND(0.0010 J)	ND(0.0010)	NA	ND(0.0010 J)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0083)	ND(0.0012)	0.00015 J	ND(0.0010)	NA	ND(0.00050)
Cyclohexane	mg/L	ND(0.0010)	NA	NA	NA	NA	NA	ND(0.0010)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0083)	ND(0.0012)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0083)	ND(0.0012)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Isobutanol	mg/L	NA	R	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	0.00073 J	NA	NA	NA	NA	NA	ND(0.0010)
Methyl cyclohexane	mg/L	ND(0.0010)	NA	NA	NA	NA	NA	ND(0.0010)
Methyl tert-butyl ether	mg/L	0.00038 J	NA	NA	NA	NA	NA	ND(0.0050)
Methylene Chloride	mg/L	ND(0.0050)	ND(0.0083)	ND(0.0062)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Propionitrile	mg/L	NA	R	NA	NA	NA	NA	NA
Styrene	mg/L	0.00057 J	ND(0.0083)	ND(0.0012)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0083)	ND(0.0012)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0083)	ND(0.0012)	ND(0.00050)	ND(0.0010)	NA	ND(0.00050)
trans-1,4-Dichloro-2-butene	mg/L	NA	R	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0083)	ND(0.0012)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0083)	ND(0.0012)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Total Xylenes	mg/L	0.00060 J	0.021	0.012	0.00078 J	0.0022 J	NA	ND(0.0010)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-1CR2 06/26/02	Green Point Landfill X-1CR2 06/19/03	Green Point Landfill X-1CR2 05/27/04	Green Point Landfill X-1CR2 06/21/05	Green Point Landfill X-1CR2 12/12/06	Green Point Landfill X-2D 12/13/06	Green Point Landfill X-3AR 06/20/95
Volatile Organics								
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	ND(0.0020)	NA	NA	NA	ND(0.0010)	ND(0.0010)	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	NA	NA	NA	ND(0.0020)	NA	NA	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.010)	ND(0.0020)	ND(0.0020 J)	ND(0.025)	ND(0.025)	ND(0.025 J)	ND(0.050)
2-Hexanone	mg/L	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.050)	ND(0.050)	ND(0.050 J)	R
4-Methyl-2-pentanone	mg/L	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Acetone	mg/L	ND(0.010 J)	ND(0.0020)	ND(0.0020 J)	ND(0.025)	ND(0.025 J)	ND(0.025 J)	0.0093 J
Acrolein	mg/L	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0013
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00024 J	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0078	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00060 J
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00030 J	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.00050)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00039 J	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0010	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00040 J
Isobutanol	mg/L	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0050)	ND(0.0050)	NA
Methyl cyclohexane	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	NA
Methyl tert-butyl ether	mg/L	ND(0.0050)	NA	NA	NA	ND(0.0050)	ND(0.0050)	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.00040 J
Propionitrile	mg/L	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	0.00044 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00040 J
trans-1,2-Dichloroethene	mg/L	ND(0.00050)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	0.0032	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0020)	ND(0.0020)	0.0011 J

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-3AR 07/31/95	Green Point Landfill X-3AR 06/06/96	Green Point Landfill X-3BR 06/20/95	Green Point Landfill X-3CAUG 06/20/95	Green Point Landfill X-4A 12/14/06	Green Point Landfill X-5A 06/21/95	Green Point Landfill X-5A 07/19/95
Volatile Organics								
1,1-Dichloroethane	mg/L	ND(0.0025)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0025)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	R	NA	NA	NA	ND(0.0010)	NA	R
1,2-Dichlorobenzene	mg/L	ND(0.0025)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0025)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0025)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0025)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	0.64 J (IDW)	0.66 (IDW) [0.67 (IDW)]	NA	NA	NA	NA	R
2-Butanone	mg/L	ND(0.012 J)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)	ND(0.025)	ND(0.050)	ND(0.0050 J)
2-Hexanone	mg/L	ND(0.012)	ND(0.050) [ND(0.050)]	R	R	ND(0.050)	R	ND(0.0050)
4-Methyl-2-pentanone	mg/L	ND(0.012)	0.0039 J [ND(0.050)]	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.0050)
Acetone	mg/L	ND(0.025 J)	ND(0.10) [0.045 J]	ND(0.050)	R	ND(0.025 J)	R	ND(0.010 J)
Acrolein	mg/L	R	NA	NA	NA	NA	NA	R
Benzene	mg/L	ND(0.0025)	0.0012 J [0.0012 J]	ND(0.0010)	0.00090 J	ND(0.0010)	0.012 (IDW)	0.013 (IDW)
Bromodichloromethane	mg/L	ND(0.0025)	ND(0.0010) [ND(0.0010)]	0.0041	0.0024	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0025)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0025)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.0025)	ND(0.050) [ND(0.050)]	0.00090 J	0.00060 J	ND(0.0050)	ND(0.050)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0025)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0025)	0.0011 [0.0011]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0025)	ND(0.0010) [ND(0.0010)]	0.0088	0.011	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0025)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0025)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA	NA	ND(0.0010)	NA	NA
Dibromochloromethane	mg/L	ND(0.0025)	ND(0.0010) [ND(0.0010)]	0.0013	0.00050 J	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0025)	0.00041 J [0.00040 J]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	R	NA	NA	NA	NA	NA	R
Isopropylbenzene	mg/L	NA	NA	NA	NA	ND(0.0050)	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA	NA	ND(0.0010)	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA	NA	ND(0.0050)	NA	NA
Methylene Chloride	mg/L	ND(0.0025)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	R	NA	NA	NA	NA	NA	R
Styrene	mg/L	ND(0.0025)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0025)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0012)
trans-1,2-Dichloroethene	mg/L	ND(0.0025)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	R	NA	NA	NA	NA	NA	ND(0.0010)
Trichloroethene	mg/L	ND(0.0025)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0025)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0025)	ND(0.0030) [ND(0.0030)]	ND(0.0030)	ND(0.0030)	ND(0.0020)	0.0029	ND(0.0044)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-5A 06/06/96	Green Point Landfill X-5B 06/21/95	Green Point Landfill X-5B 07/19/95	Green Point Landfill X-5B 06/06/96	Green Point Landfill X-5CR 06/21/95	Green Point Landfill X-5CR 06/05/96	Green Point Landfill X-6A 09/26/95
Volatile Organics								
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	R	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	0.0013 J
1,2-Dichloroethene (total)	mg/L	0.00056 J	ND(0.0010)	0.013	0.011	ND(0.0010)	NA	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010 J)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010 J)
1,4-Dioxane	mg/L	NA	NA	0.65 J (IDW)	0.44 (IDW)	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.050)	ND(0.0050 J)	ND(0.050)	ND(0.050)	NA	ND(0.050)
2-Hexanone	mg/L	ND(0.050)	R	ND(0.0050)	ND(0.050)	R	NA	ND(0.050)
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	ND(0.0050)	ND(0.050)	ND(0.050)	NA	ND(0.050)
Acetone	mg/L	0.043 J	R	0.0024 J	0.017 J	R	NA	ND(0.050)
Acrolein	mg/L	NA	NA	R	NA	NA	NA	NA
Benzene	mg/L	0.013 (IDW)	0.0070 (IDW)	0.0083 (IDW)	0.0077 (IDW)	ND(0.0010)	NA	0.0027 J
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050)	ND(0.050)	ND(0.0010)	ND(0.050)	ND(0.050)	NA	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00051 J	ND(0.0010)	NA	0.0024
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00070 J	NA	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	0.00056 J	ND(0.0010)	0.013	0.011	ND(0.0010)	NA	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Ethylbenzene	mg/L	0.0010	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	0.0065 J
Isobutanol	mg/L	NA	NA	R	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	NA	ND(0.0010)
Propionitrile	mg/L	NA	NA	R	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010 J)
Toluene	mg/L	ND(0.0010)	0.00050 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010 J)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	ND(0.0010)	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	0.0012	0.0098 (IDW)	0.0088 (IDW)	ND(0.0010)	NA	ND(0.0010)
Total Xylenes	mg/L	0.0067	0.0023 J	ND(0.0032)	ND(0.0030)	ND(0.0030)	NA	0.0070 J

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-6B 09/26/95	Green Point Landfill X-7A 06/20/95	Green Point Landfill X-7A 06/12/96	Green Point Landfill X-7BR 06/20/95	Green Point Landfill X-7BR 06/05/96	Green Point Landfill X-7CAUG 06/21/95	Green Point Landfill X-7DAUG 06/20/95
Volatile Organics								
1,1-Dichloroethane	mg/L	ND(0.010)	ND(0.033)	ND(0.017)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.010)	ND(0.033)	ND(0.017)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.010 J)	ND(0.033)	ND(0.017)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.010)	ND(0.033)	ND(0.017)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.010 J)	ND(0.033)	ND(0.017)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.010 J)	ND(0.033)	0.059	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.50)	ND(1.7)	ND(0.83)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2-Hexanone	mg/L	R	R	ND(0.83)	R	ND(0.050)	R	R
4-Methyl-2-pentanone	mg/L	ND(0.50 J)	ND(1.7)	ND(0.83)	0.016 J	ND(0.050)	ND(0.050)	ND(0.050)
Acetone	mg/L	ND(0.37)	R	ND(1.7)	R	ND(0.10 J)	R	R
Acrolein	mg/L	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/L	ND(0.010 J)	0.82 (IDW)	0.52 J (IDW)	0.0065 (IDW)	0.00059 J	0.00090 J	0.00050 J
Bromodichloromethane	mg/L	ND(0.010)	ND(0.033)	ND(0.017)	ND(0.0010)	ND(0.0010)	0.0036	0.0048
Bromoform	mg/L	ND(0.010)	ND(0.033)	ND(0.017)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.010)	ND(0.033)	ND(0.017)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.50)	ND(1.7)	ND(0.83)	0.00070 J	ND(0.050)	0.028	0.037
Chlorobenzene	mg/L	ND(0.010)	ND(0.033)	ND(0.017)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.010)	ND(0.033)	ND(0.017)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.010)	ND(0.033)	ND(0.017)	ND(0.0010)	ND(0.0010)	0.0083	0.010
Chloromethane	mg/L	ND(0.010)	ND(0.033)	ND(0.017)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.010)	ND(0.033)	ND(0.017)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.010)	ND(0.033)	ND(0.017)	ND(0.0010)	ND(0.0010)	0.0012	0.0015
Ethylbenzene	mg/L	ND(0.010 J)	0.040	0.028	0.00070 J	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	mg/L	ND(0.010)	ND(0.033)	ND(0.083)	0.00060 J	ND(0.0010)	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.010 J)	ND(0.033)	ND(0.017)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.010 J)	ND(0.033)	ND(0.017)	0.00040 J	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.010)	ND(0.033)	ND(0.017)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.010)	ND(0.033)	ND(0.017)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.010)	ND(0.033)	ND(0.017)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.030 J)	0.056 J	0.041 J	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-7DAUG 06/05/96	Green Point Landfill X-9C 12/15/06	Green Point Landfill X-10A 06/13/96	Green Point Landfill X-10A 05/24/00	Green Point Landfill X-10AR2 11/27/01	Green Point Landfill X-10AR2 06/26/02	Green Point Landfill X-10AR2 06/19/03
Volatile Organics								
1,1-Dichloroethane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	ND(0.0010)	NA	NA	ND(0.0020) [ND(0.0020)]	ND(0.0020)	NA
1,2-Dichlorobenzene	mg/L	ND(0.0050)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,2-Dichloroethene (total)	mg/L	NA	NA	ND(0.0010)	ND(0.0010)	NA	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0050)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,4-Dichlorobenzene	mg/L	ND(0.0050)	ND(0.0010)	ND(0.0010)	NA	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA	NA	NA
2-Butanone	mg/L	NA	ND(0.025)	ND(0.050)	ND(0.010 J)	ND(0.010 J) [ND(0.010 J)]	ND(0.010)	ND(0.0020)
2-Hexanone	mg/L	NA	ND(0.050)	ND(0.050)	ND(0.010)	ND(0.010 J) [ND(0.010 J)]	ND(0.010)	ND(0.0020)
4-Methyl-2-pentanone	mg/L	NA	ND(0.050)	ND(0.050)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0020)
Acetone	mg/L	NA	ND(0.025 J)	ND(0.10)	ND(0.010)	ND(0.010 J) [ND(0.010 J)]	ND(0.010 J)	ND(0.0020)
Acrolein	mg/L	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/L	NA	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	NA	ND(0.0050)	ND(0.050)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0010 J) [ND(0.0010 J)]	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.00050)	ND(0.00050) [ND(0.00050)]	ND(0.00050)	ND(0.0010)
Cyclohexane	mg/L	NA	ND(0.0010)	NA	NA	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Dibromochloromethane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	ND(0.0050)	NA	NA	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Methyl cyclohexane	mg/L	NA	ND(0.0010)	NA	NA	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Methyl tert-butyl ether	mg/L	NA	ND(0.0050)	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0050)	NA
Methylene Chloride	mg/L	NA	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Toluene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.00050)	ND(0.00050) [ND(0.00050)]	ND(0.00050)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	NA	ND(0.0020)	ND(0.0030)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-10AR2 05/25/04	Green Point Landfill X-10AR2 06/22/05	Green Point Landfill X-10AR2 12/13/06	Green Point Landfill X-10BR 07/24/95	Green Point Landfill X-10BR 12/15/06	Green Point Landfill X-10CR 07/24/95	Green Point Landfill X-10CR 12/13/06
Volatile Organics								
1,1-Dichloroethane	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA	ND(0.0010)
1,2-Dichlorobenzene	mg/L	NA	NA	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	NA	ND(0.0020)	NA	ND(0.0010)	NA	ND(0.0010)	NA
1,3-Dichlorobenzene	mg/L	NA	NA	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	NA	NA	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.0020 J)	ND(0.025)	ND(0.025 J) [ND(0.025 J)]	ND(0.050)	ND(0.025)	ND(0.050)	ND(0.025 J)
2-Hexanone	mg/L	ND(0.0020 J)	ND(0.050)	ND(0.050 J) [ND(0.050 J)]	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050 J)
4-Methyl-2-pentanone	mg/L	ND(0.0020 J)	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Acetone	mg/L	ND(0.0020 J)	ND(0.025)	ND(0.025 J) [ND(0.025 J)]	ND(0.050)	ND(0.025 J)	ND(0.050)	ND(0.025 J)
Acrolein	mg/L	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.0010)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.050)	ND(0.0050)	ND(0.050)	ND(0.0050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA	ND(0.0010)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)	NA	ND(0.0050)
Methyl cyclohexane	mg/L	NA	NA	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)	NA	ND(0.0010)
Methyl tert-butyl ether	mg/L	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)	NA	ND(0.0050)
Methylene Chloride	mg/L	ND(0.0010 J)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0050)
Propionitrile	mg/L	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	0.0010	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0010)	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0030)	ND(0.0020)	ND(0.0030)	ND(0.0020)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-10D 12/14/06	Green Point Landfill X-10DAUG 07/24/95	Green Point Landfill X-16A 07/27/95	Green Point Landfill X-16A 06/06/96	Green Point Landfill X-16A 05/24/00	Green Point Landfill X-16A 06/19/01	Green Point Landfill X-16A 06/25/02
Volatile Organics								
1,1-Dichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	ND(0.0010) [ND(0.0010)]	NA	NA	NA	NA	NA	ND(0.0020)
1,2-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)	NA	NA	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)	NA	NA	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0050)	NA	NA	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.025) [0.00059 J]	ND(0.050 J)	ND(0.050)	NA	ND(0.010 J)	ND(0.010)	ND(0.010)
2-Hexanone	mg/L	ND(0.050) [ND(0.050)]	ND(0.050)	R	NA	ND(0.010)	ND(0.010)	ND(0.010)
4-Methyl-2-pentanone	mg/L	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)	NA	ND(0.010)	ND(0.0050)	ND(0.010)
Acetone	mg/L	ND(0.025 J) [ND(0.025 J)]	ND(0.050 J)	ND(0.050)	NA	ND(0.010)	ND(0.010)	ND(0.010)
Acrolein	mg/L	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.050)	ND(0.050)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA	0.00018 J	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA	0.00028 J	ND(0.00050)	ND(0.00050)
Cyclohexane	mg/L	ND(0.0010) [ND(0.0010)]	NA	NA	NA	NA	NA	ND(0.0010)
Dibromochloromethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	ND(0.0050) [ND(0.0050)]	NA	NA	NA	NA	NA	ND(0.0010)
Methyl cyclohexane	mg/L	ND(0.0010) [ND(0.0010)]	NA	NA	NA	NA	NA	ND(0.0010)
Methyl tert-butyl ether	mg/L	ND(0.0050) [ND(0.0050)]	NA	NA	NA	NA	NA	ND(0.0050)
Methylene Chloride	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0010 J)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA	ND(0.00050)	ND(0.00050)	ND(0.00050)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	NA	0.0058 (IDW)	0.0043 (IDW)	0.0044 (IDW)
Total Xylenes	mg/L	ND(0.0020) [ND(0.0020)]	ND(0.0030)	ND(0.0030)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-16A 06/17/03	Green Point Landfill X-16A 05/26/04	Green Point Landfill X-16A 06/21/05	Green Point Landfill X-16A 12/12/06	Green Point Landfill X-16B 07/28/95	Green Point Landfill X-16B 05/19/00	Green Point Landfill X-16B 06/20/01
Volatile Organics								
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA	ND(0.0010)	NA	NA	NA
1,2-Dichlorobenzene	mg/L	NA	NA	NA	ND(0.0010)	ND(0.0010)	NA	NA
1,2-Dichloroethene (total)	mg/L	NA	NA	ND(0.0020)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	NA	NA	NA	ND(0.0010)	ND(0.0010)	NA	NA
1,4-Dichlorobenzene	mg/L	NA	NA	NA	ND(0.0010)	ND(0.0010)	NA	NA
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.0020)	ND(0.0020 J) [ND(0.0020 J)]	0.00071 J	ND(0.025)	ND(0.050 J)	ND(0.010)	ND(0.010)
2-Hexanone	mg/L	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.010)	ND(0.010)
4-Methyl-2-pentanone	mg/L	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.010)	ND(0.0050)
Acetone	mg/L	ND(0.0020 J)	ND(0.0020 J) [ND(0.0020 J)]	ND(0.025)	ND(0.025 J)	ND(0.050 J)	ND(0.010)	ND(0.010)
Acrolein	mg/L	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0050)	ND(0.0050)	ND(0.050)	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	0.00039 J [0.00037 J]	0.00031 J	0.00032 J	ND(0.0010)	ND(0.00050)	ND(0.00050)
Cyclohexane	mg/L	NA	NA	NA	ND(0.0010)	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA	ND(0.0050)	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA	ND(0.0010)	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA	ND(0.0050)	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010 J) [ND(0.0010 J)]	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	0.00019 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.00050)	ND(0.00050)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010 J) [ND(0.0010 J)]	0.00059 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	0.0042 (IDW)	0.0063 (IDW) [0.0064 (IDW)]	0.0051 (IDW)	0.0070 (IDW)	ND(0.0010)	ND(0.0010)	0.00034 J
Total Xylenes	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0020)	0.00052 J	ND(0.0030)	ND(0.0010)	ND(0.0010)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-16B 06/26/02	Green Point Landfill X-16B 06/17/03	Green Point Landfill X-16B 05/26/04	Green Point Landfill X-16B 06/21/05	Green Point Landfill X-16B 12/12/06	Green Point Landfill X-17R 07/26/95	Green Point Landfill X-17R 06/04/96
Volatile Organics								
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,2-Dibromo-3-chloropropane	mg/L	ND(0.0020)	NA	NA	NA	ND(0.0010)	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,2-Dichloroethene (total)	mg/L	NA	NA	NA	ND(0.0020)	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,3-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,4-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.010)	ND(0.0020)	ND(0.0020 J)	ND(0.025)	ND(0.025)	ND(0.050)	ND(0.050) [ND(0.050)]
2-Hexanone	mg/L	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.050)	ND(0.050)	R	ND(0.050) [ND(0.050)]
4-Methyl-2-pentanone	mg/L	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050) [ND(0.050)]
Acetone	mg/L	ND(0.010 J)	ND(0.0020 J)	ND(0.0020 J)	ND(0.025)	ND(0.025 J)	ND(0.050)	ND(0.10) [ND(0.10)]
Acrolein	mg/L	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050) [ND(0.0050)]
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Carbon Disulfide	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.050)	ND(0.050) [ND(0.050)]
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
cis-1,2-Dichloroethene	mg/L	ND(0.00050)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Cyclohexane	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0010)	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Isobutanol	mg/L	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0050)	NA	NA
Methyl cyclohexane	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0010)	NA	NA
Methyl tert-butyl ether	mg/L	ND(0.0050)	NA	NA	NA	ND(0.0050)	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0050) [ND(0.0050)]
Propionitrile	mg/L	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
trans-1,2-Dichloroethene	mg/L	ND(0.00050)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	0.00068 J	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Vinyl Chloride	mg/L	0.00048 J	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Total Xylenes	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	0.00052 J	ND(0.0030)	ND(0.0030) [ND(0.0030)]

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-18R 07/25/95	Green Point Landfill X-19AR 07/28/95	Green Point Landfill X-19AR 06/04/96	Off-site South AW-1 11/14/96	Previously Proposed Type III Landfill Area MW-3A 07/27/95
Volatile Organics						
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.050)	NA	ND(0.050)	ND(0.050)
2-Hexanone	mg/L	R	ND(0.050)	NA	ND(0.050)	R
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	NA	ND(0.050)	ND(0.050)
Acetone	mg/L	0.0047 J	ND(0.050)	NA	ND(0.10)	ND(0.050)
Acrolein	mg/L	NA	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0050)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050)	ND(0.050)	NA	ND(0.050)	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	NA	0.00094 J	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030)	NA	0.00054 J	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-3A 06/12/96	Previously Proposed Type III Landfill Area MW-3B 07/27/95	Previously Proposed Type III Landfill Area MW-119S1 07/17/95
Volatile Organics				
1,1-Dichloroethane	mg/L	NA	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	NA	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	NA	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA
2-Butanone	mg/L	NA	ND(0.050)	ND(0.050)
2-Hexanone	mg/L	NA	R	R
4-Methyl-2-pentanone	mg/L	NA	ND(0.050)	ND(0.050)
Acetone	mg/L	NA	ND(0.050)	ND(0.050 J)
Acrolein	mg/L	NA	NA	NA
Benzene	mg/L	NA	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	NA	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	NA	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	NA	ND(0.0010)	ND(0.0010 J)
Carbon Disulfide	mg/L	NA	ND(0.050)	ND(0.050)
Chlorobenzene	mg/L	NA	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	NA	ND(0.0010)	ND(0.0010 J)
Chloroform	mg/L	NA	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	NA	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	NA	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA
Dibromochloromethane	mg/L	NA	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	NA	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA
Methylene Chloride	mg/L	NA	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA
Styrene	mg/L	NA	ND(0.0010)	ND(0.0010)
Toluene	mg/L	NA	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	NA	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA
Trichloroethene	mg/L	NA	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	NA	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	NA	ND(0.0030)	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-119S2 07/17/95	Previously Proposed Type III Landfill Area MW-119WT 07/17/95	Previously Proposed Type III Landfill Area MW-120S1 07/18/95
Volatile Organics				
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050 J)
2-Hexanone	mg/L	R	R	ND(0.050)
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050 J)
Acetone	mg/L	ND(0.050 J)	ND(0.050 J)	ND(0.050 J)
Acrolein	mg/L	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010 J)	ND(0.0010 J)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010 J)	ND(0.0010 J)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-120S2 07/18/95	Previously Proposed Type III Landfill Area MW-120WT 07/18/95	Previously Proposed Type III Landfill Area MW-121S1 07/18/95
Volatile Organics				
1,1-Dichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA
2-Butanone	mg/L	ND(0.050 J) [ND(0.050 J)]	ND(0.050 J)	ND(0.050 J)
2-Hexanone	mg/L	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
4-Methyl-2-pentanone	mg/L	ND(0.050 J) [ND(0.050 J)]	ND(0.050 J)	ND(0.050 J)
Acetone	mg/L	ND(0.050 J) [ND(0.050 J)]	ND(0.050 J)	ND(0.050 J)
Acrolein	mg/L	NA	NA	NA
Benzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA
Styrene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	0.0013 [0.0014]	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030) [ND(0.0030)]	ND(0.0030)	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-121S2 07/18/95	Previously Proposed Type III Landfill Area MW-121WT 07/18/95	Previously Proposed Type III Landfill Area MW-121WT 06/04/96
Volatile Organics				
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010 J)	ND(0.0050)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010 J)	ND(0.0050)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010 J)	ND(0.0050)
1,4-Dioxane	mg/L	NA	NA	NA
2-Butanone	mg/L	ND(0.050 J)	ND(0.050 J)	NA
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	NA
4-Methyl-2-pentanone	mg/L	ND(0.050 J)	ND(0.050 J)	NA
Acetone	mg/L	ND(0.050 J)	ND(0.050 J)	NA
Acrolein	mg/L	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	NA
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	NA
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	NA
Carbon Disulfide	mg/L	ND(0.050)	ND(0.050)	NA
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	NA
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA
Cyclohexane	mg/L	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	NA
Isobutanol	mg/L	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	NA
Propionitrile	mg/L	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	NA
Toluene	mg/L	ND(0.0010)	ND(0.0010)	NA
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	NA
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030)	NA

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-122S1 07/18/95	Previously Proposed Type III Landfill Area MW-122S2 07/18/95	Previously Proposed Type III Landfill Area MW-122WT 07/18/95
Volatile Organics				
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	NA	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
Acetone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
Acrolein	mg/L	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-125WT 07/19/95	Previously Proposed Type III Landfill Area MW-125WT 06/04/96	Previously Proposed Type III Landfill Area TW-219S1 01/27/95
Volatile Organics				
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
2-Hexanone	mg/L	ND(0.050 J)	ND(0.050)	ND(0.050)
4-Methyl-2-pentanone	mg/L	ND(0.050 J)	ND(0.050)	ND(0.050)
Acetone	mg/L	ND(0.050)	ND(0.10)	ND(0.050)
Acrolein	mg/L	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0050)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0050)	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-219S2 01/27/95	Previously Proposed Type III Landfill Area TW-219WT 01/26/95	Previously Proposed Type III Landfill Area TW-220S1 01/30/95
Volatile Organics				
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	R
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
Acetone	mg/L	ND(0.050)	ND(0.050)	ND(0.050 J)
Acrolein	mg/L	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-220S2 01/30/95	Previously Proposed Type III Landfill Area TW-220S3 02/01/95	Previously Proposed Type III Landfill Area TW-220WT 01/30/95
Volatile Organics				
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA
2-Butanone	mg/L	ND(0.050 J)	ND(0.050 J)	ND(0.050 J)
2-Hexanone	mg/L	R	R	R
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
Acetone	mg/L	R	ND(0.050 J)	R
Acrolein	mg/L	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-221S1 01/31/95	Previously Proposed Type III Landfill Area TW-221S2 01/31/95	Previously Proposed Type III Landfill Area TW-221S3 02/01/95
Volatile Organics				
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.050 J) [ND(0.050 J)]	ND(0.050)
2-Hexanone	mg/L	R	R [R]	R
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)
Acetone	mg/L	ND(0.050 J)	ND(0.050 J) [ND(0.050 J)]	ND(0.050 J)
Acrolein	mg/L	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	0.0016 [0.0014]	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chloroform	mg/L	0.0013	0.0030 [0.0027]	0.0013
Chloromethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Toluene	mg/L	ND(0.0010)	0.0014 [0.0014]	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030) [ND(0.0030)]	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-221S4 02/01/95	Previously Proposed Type III Landfill Area TW-221WT 01/30/95	Previously Proposed Type III Landfill Area TW-222S1 01/31/95
Volatile Organics				
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.050 J)	ND(0.050)
2-Hexanone	mg/L	R	R	R
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
Acetone	mg/L	ND(0.050 J)	R	ND(0.050 J)
Acrolein	mg/L	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050)	0.0014 J	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-222S2 01/31/95	Previously Proposed Type III Landfill Area TW-222S3 01/31/95	Previously Proposed Type III Landfill Area TW-222WT 01/31/95
Volatile Organics				
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA
2-Butanone	mg/L	ND(0.050 J)	ND(0.050 J)	ND(0.050 J)
2-Hexanone	mg/L	R	R	R
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
Acetone	mg/L	ND(0.050 J)	ND(0.050 J)	R
Acrolein	mg/L	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-227WT 02/03/95	Previously Proposed Type III Landfill Area X-13AR 07/18/95	Previously Proposed Type III Landfill Area X-13AR 06/08/96
Volatile Organics				
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0050)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0050)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0050)
1,4-Dioxane	mg/L	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.050 J)	NA
2-Hexanone	mg/L	R	ND(0.050)	NA
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050 J)	NA
Acetone	mg/L	R	ND(0.050 J)	NA
Acrolein	mg/L	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	NA
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	NA
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	NA
Carbon Disulfide	mg/L	ND(0.050)	ND(0.050)	NA
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	NA
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA
Cyclohexane	mg/L	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	NA
Isobutanol	mg/L	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	NA
Propionitrile	mg/L	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	NA
Toluene	mg/L	ND(0.0010)	ND(0.0010)	NA
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	NA
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030)	NA

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area X-13B 07/18/95	Previously Proposed Type III Landfill Area X-13CAUG 07/18/95	Previously Proposed Type III Landfill Area X-13CAUG 06/08/96
Volatile Organics				
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0050) [ND(0.0050)]
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0050) [ND(0.0050)]
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0050) [ND(0.0050)]
1,4-Dioxane	mg/L	NA	NA	NA
2-Butanone	mg/L	ND(0.050 J)	ND(0.050 J)	NA
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	NA
4-Methyl-2-pentanone	mg/L	ND(0.050 J)	ND(0.050 J)	NA
Acetone	mg/L	ND(0.050 J)	ND(0.050 J)	NA
Acrolein	mg/L	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	NA
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	NA
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	NA
Carbon Disulfide	mg/L	ND(0.050)	ND(0.050)	NA
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	NA
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	NA
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	NA
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA
Cyclohexane	mg/L	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	NA
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	NA
Isobutanol	mg/L	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	NA
Propionitrile	mg/L	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	NA
Toluene	mg/L	ND(0.0010)	ND(0.0010)	NA
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	NA
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	NA
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030)	NA

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area X-14A 07/18/95	Previously Proposed Type III Landfill Area X-14B 07/18/95	Previously Proposed Type III Landfill Area X-14CAUG 07/18/95
Volatile Organics				
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA
2-Butanone	mg/L	ND(0.050 J)	ND(0.050)	ND(0.050)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-pentanone	mg/L	ND(0.050 J)	ND(0.050)	ND(0.050)
Acetone	mg/L	ND(0.050 J)	ND(0.050)	ND(0.050)
Acrolein	mg/L	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area X-14CAUG 06/04/96	Saginaw River Area X-4AR 07/24/95	Saginaw River Area X-4AR 06/09/96	Saginaw River Area X-4CAUG 07/24/95	Saginaw River Area X-4CAUG 06/08/96	Saginaw River Area X-9AR 07/24/95
Volatile Organics							
1,1-Dichloroethane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA	NA
2-Butanone	mg/L	NA	ND(0.050 J)	ND(0.050)	ND(0.050 J)	ND(0.050)	ND(0.050 J)
2-Hexanone	mg/L	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-pentanone	mg/L	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Acetone	mg/L	NA	ND(0.050 J)	ND(0.10)	ND(0.050 J)	ND(0.10)	ND(0.050 J)
Acrolein	mg/L	NA	NA	NA	NA	NA	NA
Benzene	mg/L	NA	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0050)	ND(0.0010)
Bromodichloromethane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Chlorobenzene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA	NA	NA	NA
Dibromochloromethane	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA	NA	NA	NA
Methylene Chloride	mg/L	NA	ND(0.0010 J)	ND(0.0050)	ND(0.0010 J)	ND(0.0050)	ND(0.0010 J)
Propionitrile	mg/L	NA	NA	NA	NA	NA	NA
Styrene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	NA	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Saginaw River Area X-9AR 06/09/96	Saginaw River Area X-9AR 12/15/06	Saginaw River Area X-9BR 07/24/95	Saginaw River Area X-9BR 06/08/96	Saginaw River Area X-9BR 12/15/06	Saginaw River Area X-9CAUG 07/24/95	Saginaw River Area X-9CAUG 06/08/96
Volatile Organics								
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	ND(0.0010)	NA	NA	ND(0.0010)	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.025)	ND(0.050 J)	ND(0.050)	ND(0.025)	ND(0.050 J)	ND(0.050)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Acetone	mg/L	ND(0.10)	ND(0.025 J)	ND(0.050 J)	ND(0.10)	ND(0.025 J)	ND(0.050 J)	ND(0.10)
Acrolein	mg/L	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/L	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050)	ND(0.0050)	ND(0.050)	ND(0.050)	ND(0.0050)	ND(0.050)	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	ND(0.0010)	NA	NA	ND(0.0010)	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	ND(0.0050)	NA	NA	ND(0.0050)	NA	NA
Methyl cyclohexane	mg/L	NA	ND(0.0010)	NA	NA	ND(0.0010)	NA	NA
Methyl tert-butyl ether	mg/L	NA	ND(0.0050)	NA	NA	ND(0.0050)	NA	NA
Methylene Chloride	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0010 J)	ND(0.0050)	ND(0.0050)	ND(0.0010 J)	ND(0.0050)
Propionitrile	mg/L	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0020)	ND(0.0030)	ND(0.0030)	ND(0.0020)	ND(0.0030)	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-1A 07/17/95	Southern Drainage Channels MW-1B 07/15/95	Southern Drainage Channels MW-1CAUG 07/15/95	Southern Drainage Channels MW-117S1 06/20/95	Southern Drainage Channels MW-117S1 05/19/00
Volatile Organics						
1,1-Dichloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	R [R]	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
1,2-Dichloroethene (total)	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
1,4-Dichlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
1,4-Dioxane	mg/L	R [R]	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.0050 J) [ND(0.0050 J)]	ND(0.050 J)	ND(0.050 J)	ND(0.050)	ND(0.010)
2-Hexanone	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.050)	ND(0.050)	R	ND(0.010)
4-Methyl-2-pentanone	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.010)
Acetone	mg/L	ND(0.010 J) [ND(0.010 J)]	ND(0.050 J)	ND(0.050 J)	ND(0.050)	ND(0.010)
Acrolein	mg/L	R [R]	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00060 J
Bromodichloromethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.050)	ND(0.050)	0.00050 J	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	0.0015	ND(0.0010)
Chloromethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.00050)
Cyclohexane	mg/L	NA	NA	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	R [R]	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	R [R]	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.00050)
trans-1,4-Dichloro-2-butene	mg/L	ND(0.0010) [ND(0.0010)]	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00014 J
Total Xylenes	mg/L	ND(0.0010) [ND(0.0010)]	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0010)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-117S1 06/19/01	Southern Drainage Channels MW-117S1 06/26/02	Southern Drainage Channels MW-117S1 06/19/03	Southern Drainage Channels MW-117S1 05/27/04	Southern Drainage Channels MW-117S1 06/23/05
Volatile Organics						
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	ND(0.0020)	NA	NA	NA
1,2-Dichlorobenzene	mg/L	NA	ND(0.0010)	NA	NA	NA
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0020)
1,3-Dichlorobenzene	mg/L	NA	ND(0.0010)	NA	NA	NA
1,4-Dichlorobenzene	mg/L	NA	ND(0.0010)	NA	NA	NA
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.010)	ND(0.010)	ND(0.0020)	ND(0.0020 J)	ND(0.025)
2-Hexanone	mg/L	ND(0.010)	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.050)
4-Methyl-2-pentanone	mg/L	ND(0.0050)	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.050)
Acetone	mg/L	ND(0.010)	ND(0.010 J)	ND(0.0020)	ND(0.0020 J)	ND(0.025)
Acrolein	mg/L	NA	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010)	0.00075 J	0.00058 J	0.00071 J	0.00066 J
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.00050)	ND(0.00050)	ND(0.0010)	ND(0.0010)	0.00031 J
Cyclohexane	mg/L	NA	ND(0.0010)	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	ND(0.0010)	NA	NA	NA
Methyl cyclohexane	mg/L	NA	ND(0.0010)	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	ND(0.0050)	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	ND(0.0050)
Propionitrile	mg/L	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.00050)	ND(0.00050)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010 J)	0.0017
Vinyl Chloride	mg/L	ND(0.0010)	0.00021 J	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-117S2 06/20/95	Southern Drainage Channels MW-117S2 12/13/06	Southern Drainage Channels MW-117WT 06/20/95	Southern Drainage Channels MW-117WT 05/19/00	Southern Drainage Channels MW-117WT 06/18/01
Volatile Organics						
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	ND(0.0010)	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA	NA
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.025 J)	ND(0.050)	ND(0.010)	ND(0.010)
2-Hexanone	mg/L	R	ND(0.050 J)	R	ND(0.010)	ND(0.010)
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.010)	ND(0.0050)
Acetone	mg/L	ND(0.050)	ND(0.025 J)	ND(0.050)	ND(0.010)	ND(0.010)
Acrolein	mg/L	NA	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00013 J	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	0.00080 J	ND(0.0050)	ND(0.050)	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.00050)	ND(0.00050)
Cyclohexane	mg/L	NA	ND(0.0010)	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	ND(0.0050)	NA	NA	NA
Methyl cyclohexane	mg/L	NA	ND(0.0010)	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	ND(0.0050)	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.00050)	ND(0.00050)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0020)	ND(0.0030)	ND(0.0010)	ND(0.0010)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-117WT 06/26/02	Southern Drainage Channels MW-117WT 06/19/03	Southern Drainage Channels MW-117WT 12/09/04	Southern Drainage Channels MW-117WT 06/23/05	Southern Drainage Channels MW-117WT 12/13/06
Volatile Organics						
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	ND(0.0020)	NA	NA	NA	ND(0.0010)
1,2-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	NA	NA	ND(0.0020) [ND(0.0020)]	ND(0.0020)	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.010)	ND(0.0020)	ND(0.025) [ND(0.025)]	ND(0.025)	ND(0.025 J)
2-Hexanone	mg/L	ND(0.010)	ND(0.0020)	ND(0.050 J) [ND(0.050 J)]	ND(0.050)	ND(0.050 J)
4-Methyl-2-pentanone	mg/L	ND(0.010)	ND(0.0020)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
Acetone	mg/L	ND(0.010 J)	ND(0.0020)	ND(0.025) [ND(0.025)]	ND(0.025)	ND(0.025 J)
Acrolein	mg/L	NA	NA	NA	NA	NA
Benzene	mg/L	0.00016 J	ND(0.0010)	0.00023 J [0.00025 J]	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010 J)]	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010 J) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	0.00028 J [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.00050)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0010)
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010 J) [ND(0.0010 J)]	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0050)
Methyl cyclohexane	mg/L	ND(0.0010)	NA	NA	NA	ND(0.0010)
Methyl tert-butyl ether	mg/L	0.00038 J	NA	NA	NA	0.00020 J
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Propionitrile	mg/L	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.00050)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	0.0011	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-118S1 06/20/95	Southern Drainage Channels MW-118S1 05/17/00	Southern Drainage Channels MW-118S1 06/19/01	Southern Drainage Channels MW-118S1 06/27/02	Southern Drainage Channels MW-118S1 06/19/03
Volatile Organics						
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA	ND(0.0020)	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	ND(0.0010)	NA
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	ND(0.0010)	NA
1,4-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	ND(0.0010)	NA
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010 J)	ND(0.0020)
2-Hexanone	mg/L	R	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.0020)
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.010) [ND(0.010)]	ND(0.0050)	ND(0.010)	ND(0.0020)
Acetone	mg/L	ND(0.050)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.0020)
Acrolein	mg/L	NA	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010)	0.00047 J [0.00046 J]	ND(0.0010)	0.00037 J	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	0.0013	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	0.0011	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.00050) [ND(0.00050)]	ND(0.00050)	ND(0.00050)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA	ND(0.0010)	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA	ND(0.0010)	NA
Methyl cyclohexane	mg/L	NA	NA	NA	ND(0.0010)	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA	ND(0.0050)	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)
Propionitrile	mg/L	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	0.00090 J	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.00050) [ND(0.00050)]	ND(0.00050)	ND(0.00050)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	0.00033 J [0.00033 J]	0.00027 J	0.00027 J	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-118S1 12/09/04	Southern Drainage Channels MW-118S1 06/23/05	Southern Drainage Channels MW-118S1 12/14/06	Southern Drainage Channels MW-118S2 06/20/95	Southern Drainage Channels MW-118S2 12/14/06
Volatile Organics						
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	ND(0.0010)	NA	ND(0.0010)
1,2-Dichlorobenzene	mg/L	NA	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0020)	ND(0.0020)	NA	ND(0.0010) [ND(0.0010)]	NA
1,3-Dichlorobenzene	mg/L	NA	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,4-Dichlorobenzene	mg/L	NA	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050) [ND(0.050)]	ND(0.025)
2-Hexanone	mg/L	ND(0.050 J)	ND(0.050)	ND(0.050)	R [R]	ND(0.050)
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)
Acetone	mg/L	ND(0.025)	ND(0.025)	ND(0.025 J)	0.0030 J [ND(0.050)]	ND(0.025 J)
Acrolein	mg/L	NA	NA	NA	NA	NA
Benzene	mg/L	0.00053 J	ND(0.0010)	ND(0.0010)	0.00060 J [ND(0.0010)]	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00070 J [ND(0.0010)]	ND(0.0010)
Bromoform	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0060 J [0.0020]	ND(0.0050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0037 [0.0012]	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	NA	0.00025 J	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Cyclohexane	mg/L	NA	NA	ND(0.0010)	NA	ND(0.0010)
Dibromochloromethane	mg/L	ND(0.0010 J)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	ND(0.0050)	NA	ND(0.0050)
Methyl cyclohexane	mg/L	NA	NA	ND(0.0010)	NA	ND(0.0010)
Methyl tert-butyl ether	mg/L	NA	NA	ND(0.0050)	NA	ND(0.0050)
Methylene Chloride	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010) [ND(0.0010)]	ND(0.0050)
Propionitrile	mg/L	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00070 J [ND(0.0010)]	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	NA	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	0.0011	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Vinyl Chloride	mg/L	0.00026 J	ND(0.0010)	0.00023 J	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Total Xylenes	mg/L	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0030) [ND(0.0030)]	ND(0.0020)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-118WT 06/20/95	Southern Drainage Channels MW-118WT 05/17/00	Southern Drainage Channels MW-118WT 06/19/01	Southern Drainage Channels MW-118WT 06/27/02	Southern Drainage Channels MW-118WT 06/19/03
Volatile Organics						
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0040) [ND(0.0040)]	ND(0.0020) [ND(0.0010)]	ND(0.0010) [ND(0.0010)]
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0040) [ND(0.0040)]	ND(0.0020) [ND(0.0010)]	ND(0.0010) [ND(0.0010)]
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA	ND(0.0040 J) [ND(0.0020)]	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	ND(0.0020) [ND(0.0010)]	NA
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0040) [ND(0.0040)]	NA	NA
1,3-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	ND(0.0020) [ND(0.0010)]	NA
1,4-Dichlorobenzene	mg/L	ND(0.0010)	NA	NA	ND(0.0020) [ND(0.0010)]	NA
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.010)	ND(0.040) [ND(0.040)]	ND(0.020 J) [ND(0.010 J)]	ND(0.0020) [ND(0.0020)]
2-Hexanone	mg/L	R	ND(0.010)	ND(0.040) [ND(0.040)]	ND(0.020 J) [ND(0.010)]	ND(0.0020) [ND(0.0020)]
4-Methyl-2-pentanone	mg/L	ND(0.050)	0.028	0.18 [0.18]	0.0049 J [0.0052 J]	0.00075 J [0.00060 J]
Acetone	mg/L	ND(0.050)	ND(0.010)	ND(0.040) [ND(0.040)]	ND(0.020 J) [ND(0.010)]	ND(0.0020) [ND(0.0020)]
Acrolein	mg/L	NA	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010)	0.00054 J	ND(0.0040) [ND(0.0040)]	0.00034 J [ND(0.0010)]	ND(0.0010) [ND(0.0010)]
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0040) [ND(0.0040)]	ND(0.0020) [ND(0.0010)]	ND(0.0010) [ND(0.0010)]
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0040) [ND(0.0040)]	ND(0.0020) [ND(0.0010)]	ND(0.0010) [ND(0.0010)]
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0040) [ND(0.0040)]	ND(0.0020) [ND(0.0010)]	ND(0.0010) [ND(0.0010)]
Carbon Disulfide	mg/L	ND(0.050)	ND(0.0010)	ND(0.0040) [ND(0.0040)]	ND(0.0020) [ND(0.0010)]	ND(0.0010) [ND(0.0010)]
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0040) [ND(0.0040)]	ND(0.0020) [ND(0.0010)]	ND(0.0010) [ND(0.0010)]
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0040) [ND(0.0040)]	ND(0.0020) [ND(0.0010)]	ND(0.0010) [ND(0.0010)]
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0040) [ND(0.0040)]	ND(0.0020) [ND(0.0010)]	ND(0.0010) [ND(0.0010)]
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0040) [ND(0.0040)]	ND(0.0020) [ND(0.0010)]	ND(0.0010) [ND(0.0010)]
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.00050)	ND(0.0020) [ND(0.0020)]	ND(0.0010) [ND(0.00050)]	ND(0.0010) [ND(0.0010)]
Cyclohexane	mg/L	NA	NA	NA	ND(0.0020) [ND(0.0010)]	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0040) [ND(0.0040)]	ND(0.0020) [ND(0.0010)]	ND(0.0010) [ND(0.0010)]
Ethylbenzene	mg/L	ND(0.0010)	0.00010 J	ND(0.0040) [ND(0.0040)]	ND(0.0020) [ND(0.0010)]	ND(0.0010) [ND(0.0010)]
Isobutanol	mg/L	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA	ND(0.0020) [ND(0.0010)]	NA
Methyl cyclohexane	mg/L	NA	NA	NA	ND(0.0020) [ND(0.0010)]	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA	0.00049 J [ND(0.0050)]	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0040) [ND(0.0040)]	ND(0.0020) [ND(0.0010)]	ND(0.0010) [ND(0.0010)]
Propionitrile	mg/L	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0040) [ND(0.0040)]	ND(0.0020) [ND(0.0010)]	ND(0.0010) [ND(0.0010)]
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0040) [ND(0.0040)]	ND(0.0020) [ND(0.0010)]	ND(0.0010) [ND(0.0010)]
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.00050)	ND(0.0020) [ND(0.0020)]	ND(0.0010) [ND(0.00050)]	ND(0.0010) [ND(0.0010)]
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0040) [ND(0.0040)]	ND(0.0020) [ND(0.0010)]	ND(0.0010) [ND(0.0010)]
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0040) [ND(0.0040)]	ND(0.0020) [ND(0.0010)]	ND(0.0010) [ND(0.0010)]
Total Xylenes	mg/L	ND(0.0030)	0.00047 J	ND(0.0040) [ND(0.0040)]	ND(0.0020) [ND(0.0010)]	ND(0.0010) [ND(0.0010)]

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-118WT 05/27/04	Southern Drainage Channels MW-118WT 06/23/05	Southern Drainage Channels MW-118WT 12/14/06	Southern Drainage Channels TW-216S1 05/10/95	Southern Drainage Channels TW-216S2 05/11/95
Volatile Organics						
1,1-Dichloroethane	mg/L	ND(0.0017)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010) [ND(0.0010)]
1,1-Dichloroethene	mg/L	ND(0.0017)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010) [ND(0.0010)]
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	ND(0.0010)	NA	NA
1,2-Dichlorobenzene	mg/L	NA	NA	ND(0.0010)	ND(0.0020)	ND(0.0010) [ND(0.0010)]
1,2-Dichloroethene (total)	mg/L	NA	ND(0.0020)	NA	ND(0.0020)	ND(0.0010) [ND(0.0010)]
1,3-Dichlorobenzene	mg/L	NA	NA	ND(0.0010)	ND(0.0020)	ND(0.0010) [ND(0.0010)]
1,4-Dichlorobenzene	mg/L	NA	NA	ND(0.0010)	ND(0.0020)	ND(0.0010) [ND(0.0010)]
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.0033)	ND(0.025)	0.0021 J	0.042 J	ND(0.050 J) [ND(0.050)]
2-Hexanone	mg/L	ND(0.0033 J)	ND(0.050)	ND(0.050)	ND(0.10)	R [ND(0.050)]
4-Methyl-2-pentanone	mg/L	ND(0.0033 J)	ND(0.050)	ND(0.050)	ND(0.10)	ND(0.050 J) [ND(0.050)]
Acetone	mg/L	ND(0.0033 J)	ND(0.025)	ND(0.025 J)	ND(0.10)	ND(0.050 J) [ND(0.050)]
Acrolein	mg/L	NA	NA	NA	NA	NA
Benzene	mg/L	ND(0.0017)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010) [ND(0.0010)]
Bromodichloromethane	mg/L	ND(0.0017)	ND(0.0010)	ND(0.0010)	0.0034	ND(0.0010) [ND(0.0010)]
Bromoform	mg/L	ND(0.0017)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010) [ND(0.0010)]
Bromomethane	mg/L	ND(0.0017)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010) [ND(0.0010)]
Carbon Disulfide	mg/L	ND(0.0017)	ND(0.0050)	ND(0.0050)	ND(0.10)	ND(0.050) [ND(0.050)]
Chlorobenzene	mg/L	ND(0.0017)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010) [ND(0.0010)]
Chloroethane	mg/L	ND(0.0017)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010) [ND(0.0010)]
Chloroform	mg/L	ND(0.0017)	ND(0.0010)	ND(0.0010)	0.014	ND(0.0010) [ND(0.0010)]
Chloromethane	mg/L	ND(0.0017)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010) [ND(0.0010)]
cis-1,2-Dichloroethene	mg/L	ND(0.0017)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010) [ND(0.0010)]
Cyclohexane	mg/L	NA	NA	ND(0.0010)	NA	NA
Dibromochloromethane	mg/L	ND(0.0017)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010) [ND(0.0010)]
Ethylbenzene	mg/L	ND(0.0017)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010) [ND(0.0010)]
Isobutanol	mg/L	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	0.00062 J	NA	NA
Methyl cyclohexane	mg/L	NA	NA	ND(0.0010)	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	0.00031 J	NA	NA
Methylene Chloride	mg/L	ND(0.0017 J)	ND(0.0050)	ND(0.0050)	ND(0.0020 J)	ND(0.0010) [ND(0.0010 J)]
Propionitrile	mg/L	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0017)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010) [ND(0.0010)]
Toluene	mg/L	ND(0.0017)	0.00020 J	ND(0.0010)	ND(0.0020)	ND(0.0010) [ND(0.0010)]
trans-1,2-Dichloroethene	mg/L	ND(0.0017)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010) [ND(0.0010)]
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0017)	0.00057 J	ND(0.0010)	ND(0.0020)	ND(0.0010) [ND(0.0010)]
Vinyl Chloride	mg/L	ND(0.0017)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010) [ND(0.0010)]
Total Xylenes	mg/L	ND(0.0017)	ND(0.0020)	0.00058 J	ND(0.0060)	ND(0.0030) [ND(0.0030)]

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels TW-216WT 05/10/95	Southern Drainage Channels TW-217S1 05/10/95	Southern Drainage Channels TW-217S2 05/10/95	Southern Drainage Channels TW-217WT 05/09/95	Southern Drainage Channels TW-218S1 05/09/95
Volatile Organics						
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA	NA	NA
2-Butanone	mg/L	ND(0.050 J)	ND(0.050)	ND(0.050 J)	ND(0.050)	ND(0.050)
2-Hexanone	mg/L	R	ND(0.050)	R	ND(0.050)	ND(0.050)
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Acetone	mg/L	ND(0.050 J)	ND(0.050)	0.0050 J	ND(0.050)	ND(0.050)
Acrolein	mg/L	NA	NA	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010)	ND(0.0010 J)	ND(0.0010)	ND(0.0010 J)	ND(0.0010 J)
Propionitrile	mg/L	NA	NA	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)

See Generic Notes in Table 14.

Table 1. Volatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels TW-218S2 05/09/95	Southern Drainage Channels TW-218S3 05/09/95	Southern Drainage Channels TW-218WT 05/09/95
Volatile Organics				
1,1-Dichloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	NA
1,2-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethene (total)	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,3-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dichlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	mg/L	NA	NA	NA
2-Butanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
2-Hexanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-pentanone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
Acetone	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
Acrolein	mg/L	NA	NA	NA
Benzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
Chlorobenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Cyclohexane	mg/L	NA	NA	NA
Dibromochloromethane	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	mg/L	NA	NA	NA
Isopropylbenzene	mg/L	NA	NA	NA
Methyl cyclohexane	mg/L	NA	NA	NA
Methyl tert-butyl ether	mg/L	NA	NA	NA
Methylene Chloride	mg/L	ND(0.0010 J)	ND(0.0010 J)	ND(0.0010 J)
Propionitrile	mg/L	NA	NA	NA
Styrene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	mg/L	NA	NA	NA
Trichloroethene	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	mg/L	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total Xylenes	mg/L	ND(0.0030)	ND(0.0030)	ND(0.0030)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Generic MDEQ Criteria Values					Central Type III Landfill X-2A 07/15/95	Central Type III Landfill X-2A 06/12/96	Central Type III Landfill X-2B 07/15/95
		FE	GAI	GCC	IDW	IGVIA			
Semivolatile Organics									
1,3,5-Trinitrobenzene	mg/L	--	--	--	--	--	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	{ID}	{ID}	170	2.1	{NLV}	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	{ID}	{ID}	10	0.47	{NLV}	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	{ID}	{ID}	48	0.21	{NLV}	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	{ID}	{ID}	520	1	{NLV}	0.0014 J	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	--	--	--	--	--	ND(0.020)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	{ID}	{ID}	94	0.13	{ID}	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	{ID}	{ID}	25 {S}	0.75	{ID}	0.012	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	--	--	--	--	--	0.0014 J	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	{ID}	{ID}	79	0.058	{NLV}	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	{ID}	{ID}	0.18	0.0043	{NLV}	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	{ID}	{ID}	9.5	0.02 {M}	{NLV}	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	{ID}	{ID}	79	0.42	{NLV}	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	--	--	--	--	--	0.0060	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	--	--	--	--	--	ND(0.020 J)	ND(0.020)	ND(0.020 J)
4-Nitroquinoline-1-oxide	mg/L	--	--	--	--	--	NA	NA	NA
Acenaphthene	mg/L	{ID}	{ID}	4.2 {S}	3.8	4.2 {S}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	{ID}	{ID}	0.043 {S}	0.043 {S}	0.043 {S}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	{ID}	{ID}	0.0094 {Q,S,AA}	0.0085 {Q}	{NLV}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	{ID}	{ID}	0.001 {Q,M,AA}	0.005 {Q,A}	{NLV}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	{ID}	{ID}	0.0015 {Q,S,AA}	0.0015 {Q,S,AA}	{ID}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	{ID}	{ID}	0.001 {M,A,A}	0.001 {M}	{NLV}	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	{NA}	0.34 {S}	0.32 {AA}	0.006 {A}	{NLV}	0.0027 J	ND(0.0050 J)	ND(0.0050)
Butylbenzylphthalate	mg/L	{ID}	{ID}	2.7 {S}	2.7 {S}	{NLV}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	{NA}	1,000,000 {D}	390,000	17	{NLV}	NA	NA	NA
Carbazole	mg/L	{ID}	{ID}	7.4	0.35	{NLV}	ND(0.010)	ND(0.010)	ND(0.010)
Chrysene	mg/L	{ID}	{ID}	0.0016 {Q,S,AA}	0.0016 {Q,S}	{ID}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	{ID}	{ID}	{ID}	{ID}	{ID}	0.00074 J	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	{NA}	{ID}	1,100 {S}	16	{NLV}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	{NA}	{ID}	4,200 {S}	210	{NLV}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	{NA}	{ID}	11 {S}	2.5	{NLV}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	{ID}	{ID}	0.4	0.38	{NLV}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	{ID}	{ID}	0.21 {S}	0.21 {S}	0.21 {S}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	{ID}	{ID}	2 {S}	2 {S}	2 {S}	0.00092 J	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	{ID}	{ID}	1.6	0.05 {A}	0.42	ND(0.0050)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	{ID}	{ID}	0.002 {Q,M,AA}	0.002 {Q,M}	{NLV}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	{ID}	12,000 {S}	990	3.1	{NLV}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	{NA}	31 {S}	31 {S}	1.5	31 {S}	0.0089	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	{ID}	{ID}	0.2	0.001 {A}	{NLV}	ND(0.025)	ND(0.025)	ND(0.025)
Phenanthrene	mg/L	{ID}	{ID}	1 {S}	0.15	1 {S}	0.0026 J	ND(0.0050)	ND(0.0050)
Phenol	mg/L	{NA}	{ID}	29,000	13	{NLV}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	{ID}	{ID}	0.14 {S}	0.14 {S}	0.14 {S}	0.00072 J	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	{NA}	{ID}	810 {J}	1 {J}	{NLV}	0.0014 J	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Central Type III Landfill X-2B 12/12/06	Central Type III Landfill X-2C 07/15/95	Central Type III Landfill X-2C 12/12/06	Central Type III Landfill X-2DAUG 07/15/95	Drum Remediation/Wetland Area MW-123S1 07/18/95
Semivolatile Organics						
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.0060)	ND(0.060)	ND(0.0060)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0048)	ND(0.0060)	ND(0.0048)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.012)	ND(0.0060)	ND(0.012)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.024)	ND(0.024)	ND(0.024)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.0048)	ND(0.024)	ND(0.0048)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.024)	ND(0.024)	ND(0.024)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.024)	ND(0.024 J)	ND(0.024)	ND(0.020 J)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NA	NA
Acenaphthene	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0012)	ND(0.0060)	ND(0.0012)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0012)	ND(0.0060)	ND(0.0012)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0012)	ND(0.0060)	ND(0.0012)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0012)	ND(0.0060)	ND(0.0012)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Butylbenzylphthalate	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	ND(0.012)	NA	0.0026 J	NA	NA
Carbazole	mg/L	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.010)	ND(0.010)
Chrysene	mg/L	ND(0.0012)	ND(0.0060)	ND(0.0012)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0048)	ND(0.0060)	ND(0.0048)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0012)	ND(0.0060)	ND(0.0012)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	R	ND(0.0060)	R	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0024)	ND(0.0060)	ND(0.0024)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.0060)	ND(0.030)	ND(0.0060)	ND(0.025)	ND(0.025)
Phenanthrene	mg/L	ND(0.0024)	ND(0.0060)	ND(0.0024)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area MW-123WT 07/18/95	Drum Remediation/Wetland Area MW-124S1 07/19/95	Drum Remediation/Wetland Area MW-124WT 07/19/95	Drum Remediation/Wetland Area MW-126WT 07/30/95
Semivolatile Organics					
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	R
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.010)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	ND(0.10)
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA	NA
Carbazole	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	NA
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area MW-126WT 06/06/96	Drum Remediation/Wetland Area MW-127S1 07/26/95	Drum Remediation/Wetland Area MW-127WT 07/26/95	Drum Remediation/Wetland Area TW-223S1 02/01/95
Semivolatile Organics					
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.050)	ND(0.050 J)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020 J)	ND(0.020)	ND(0.020 J)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.020 J)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020 J)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020 J)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	0.0072 J (IDW)	0.00083 J	ND(0.0079 J)	0.0011 J
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA	NA
Carbazole	mg/L	ND(0.010)	ND(0.010)	ND(0.010 J)	ND(0.0050)
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.025)	ND(0.025)	ND(0.025 J)	ND(0.020)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area TW-223S2 02/01/95	Drum Remediation/Wetland Area TW-223WT 02/01/95	Drum Remediation/Wetland Area TW-224S1 02/02/95	Drum Remediation/Wetland Area TW-224WT 02/02/95
Semivolatile Organics					
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0050)	ND(0.0050)	0.0010 J	0.0043 J
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA	NA
Carbazole	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0050)	0.0010 J	0.00094 J
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area TW-225S1 02/03/95	Drum Remediation/Wetland Area TW-225WT 02/02/95	Drum Remediation/Wetland Area TW-226S1 02/02/95	Drum Remediation/Wetland Area TWW-1 01/25/97
Semivolatile Organics					
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	0.0035 J	ND(0.0050)	0.017 (IDW)	ND(0.0050)
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA	NA
Carbazole	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	0.0014 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	0.0039 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.025)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area TWW-2 01/23/97	Drum Remediation/Wetland Area X-11AR 07/26/95	Drum Remediation/Wetland Area X-12AR 07/26/95	Drum Remediation/Wetland Area X-12B 07/26/95
Semivolatile Organics					
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	0.0021 J
Butylbenzylphthalate	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA	NA
Carbazole	mg/L	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
Chrysene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050) [0.0021 J]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.025) [ND(0.025)]	ND(0.025)	ND(0.025)	ND(0.025)
Phenanthrene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area X-12B 06/05/96	Drum Remediation/Wetland Area X-12CAUG 07/26/95	Drum Remediation/Wetland Area X-15AR 07/19/95	Drum Remediation/Wetland Area X-15BR 07/19/95
Semivolatile Organics					
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.056)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.022)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.022)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.022)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.022)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
bis(2-Ethylhexyl)phthalate	mg/L	0.0033 J	ND(0.0050)	ND(0.0050)	0.50 BD (GAI GCC IDW)
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
Caprolactam	mg/L	NA	NA	NA	NA
Carbazole	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0060)
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
Pentachlorophenol	mg/L	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.028)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.00059
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area X-15BR 06/05/96	Drum Remediation/Wetland Area X-15BR 05/19/00	Drum Remediation/Wetland Area X-20 07/25/95	Eastern Property Extension MW-2A 07/27/95
Semivolatile Organics					
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.0050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050 J)	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	0.0067 (IDW)	0.014 (IDW)	ND(0.0050)	ND(0.0050)
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA	NA
Carbazole	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050 J)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.025)	ND(0.0010)	ND(0.025)	ND(0.025)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Eastern Property Extension MW-2B 07/27/95	Eastern Property Extension MW-2B 06/11/96	Eastern Property Extension MW-2B 05/20/00	Eastern Property Extension MW-2CAUG 07/27/95	Green Point Landfill MW-128S1 07/26/95
Semivolatile Organics						
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.050)	ND(0.0050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	0.013 (IDW)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA	NA	NA
Carbazole	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.025)	ND(0.025)	ND(0.0010)	ND(0.025)	ND(0.025)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill MW-128WT 07/26/95	Green Point Landfill MW-129WT 07/28/95	Green Point Landfill MW-129WT 06/12/96	Green Point Landfill MW-129WT 09/17/04	Green Point Landfill X-1A 07/29/95	Green Point Landfill X-1A 06/10/96	Green Point Landfill X-1A 11/27/01
Semivolatile Organics								
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.10)	ND(0.050)	ND(0.050)	ND(0.0050) [ND(0.0050)]	ND(0.050)	ND(0.050)	ND(0.010)
2,4,6-Trichlorophenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.010)
2,4-Dichlorophenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0040) [ND(0.0040)]	ND(0.0050)	ND(0.0050)	ND(0.010)
2,4-Dimethylphenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.010) [ND(0.010)]	ND(0.0050)	ND(0.0050)	ND(0.010)
2,4-Dinitrophenol	mg/L	ND(0.040)	ND(0.020)	ND(0.020)	NA	ND(0.020 J)	ND(0.020)	ND(0.010)
2-Chlorophenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.010)
2-Methylnaphthalene	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	0.0010 J	ND(0.0050)	ND(0.010)
2-Methylphenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.010)
2-Nitrophenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.020) [ND(0.020)]	ND(0.0050)	ND(0.0050)	ND(0.010)
3,3'-Dichlorobenzidine	mg/L	ND(0.040)	ND(0.020)	ND(0.020)	ND(0.0050) [ND(0.0050)]	ND(0.020)	ND(0.020)	ND(0.010)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.040)	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.025)
4-Chloro-3-Methylphenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.010)
4-Methylphenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.010)
4-Nitrophenol	mg/L	ND(0.040)	ND(0.020)	ND(0.020)	NA	ND(0.020)	ND(0.020)	ND(0.010)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.020) [ND(0.020)]	ND(0.0050)	ND(0.0050)	ND(0.010)
Anthracene	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	0.00058 J	ND(0.0050)	ND(0.010)
Benzo(a)anthracene	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.010)
Benzo(a)pyrene	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0010) [ND(0.0010)]	ND(0.0050)	ND(0.0050)	ND(0.010)
Benzo(b)fluoranthene	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0020) [ND(0.0020)]	ND(0.0050)	ND(0.0050)	ND(0.010)
Benzo(g,h,i)perylene	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0020) [ND(0.0020)]	ND(0.0050)	ND(0.0050)	ND(0.010)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.010)	0.0012 J	ND(0.0050)	ND(0.0050) [0.0067 (IDW)]	ND(0.0050)	ND(0.0050)	ND(0.010)
Butylbenzylphthalate	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.010)
Caprolactam	mg/L	NA	NA	NA	NA	NA	NA	ND(0.010)
Carbazole	mg/L	ND(0.020)	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	0.0026 J	0.0016 J	0.0027 J
Chrysene	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.010)
Dibenzofuran	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.010)
Diethylphthalate	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.010)
Dimethylphthalate	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.010)
Di-n-Butylphthalate	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.010)
Di-n-Octylphthalate	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.010)
Fluoranthene	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.010)
Fluorene	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.010)
Hexachlorocyclopentadiene	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050 J)	ND(0.0050)	ND(0.050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0020) [ND(0.0020)]	ND(0.0050)	ND(0.0050)	ND(0.010)
Isophorone	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.010)
Naphthalene	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.010)
Pentachlorophenol	mg/L	ND(0.050)	ND(0.025)	ND(0.025)	ND(0.020) [ND(0.020)]	ND(0.025)	ND(0.025)	ND(0.010)
Phenanthrene	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	0.00070 J	ND(0.0050)	ND(0.010)
Phenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.010)
Pyrene	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.010)
Total Methylphenols	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.010)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-1B 07/29/95	Green Point Landfill X-1B 11/27/01	Green Point Landfill X-1CR 07/29/95	Green Point Landfill X-1CR 06/10/96	Green Point Landfill X-1CR2 07/29/95	Green Point Landfill X-1CR2 06/11/96	Green Point Landfill X-1CR2 05/24/00
Semivolatile Organics								
1,3,5-Trinitrobenzene	mg/L	NA	NA	R	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.010)	ND(0.010)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.0050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.025)	ND(0.020 J)	ND(0.020)	ND(0.020 J)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.010)	0.0038 J	0.0012 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.010)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.025)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.050)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	R	NA	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0070 J (IDW)	ND(0.0050)
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	ND(0.010)	NA	NA	NA	NA	NA
Carbazole	mg/L	ND(0.010)	ND(0.010)	NA	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Chrysene	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.025)	ND(0.010)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.0010)
Phenanthrene	mg/L	ND(0.0050)	ND(0.010)	0.0019 J	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	0.10 D	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-1CR2 11/26/01	Green Point Landfill X-2D 12/13/06	Green Point Landfill X-3AR 06/20/95	Green Point Landfill X-3AR 07/31/95	Green Point Landfill X-3BR 06/20/95	Green Point Landfill X-3CAUG 06/20/95	Green Point Landfill X-5A 06/21/95
Semivolatile Organics								
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	R	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.10)	ND(0.010)	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.010)	ND(0.0040)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.025)	ND(0.020)	ND(0.040)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.010)	ND(0.0040)	ND(0.040)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.025)	ND(0.020)	ND(0.040 J)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.010)	ND(0.020)	ND(0.040)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	ND(0.10)	NA	NA	NA
Acenaphthene	mg/L	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.010)	ND(0.0010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.010)	ND(0.0010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.010)	ND(0.0010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.010)	ND(0.0010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	0.0045 J	0.00092 J	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Butylbenzylphthalate	mg/L	ND(0.010)	ND(0.0050 J)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	ND(0.010)	ND(0.010)	NA	NA	NA	NA	NA
Carbazole	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chrysene	mg/L	ND(0.010)	ND(0.0010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.010)	ND(0.0040)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.010)	R	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.010)	R	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.010)	ND(0.0050 J)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.010)	ND(0.0010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.010)	R	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.010)	ND(0.0020)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.040)	ND(0.025)	ND(0.020 J)	ND(0.020 J)	ND(0.020)
Phenanthrene	mg/L	ND(0.010)	ND(0.0020)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-5A 07/19/95	Green Point Landfill X-5A 06/06/96	Green Point Landfill X-5B 06/21/95	Green Point Landfill X-5B 07/19/95	Green Point Landfill X-5CR 06/21/95	Green Point Landfill X-5CR 06/05/96	Green Point Landfill X-6A 09/26/95
Semivolatile Organics								
1,3,5-Trinitrobenzene	mg/L	R	NA	NA	R	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.010)	ND(0.050)	ND(0.050)	ND(0.010)	ND(0.050 J)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020 J)	ND(0.020)	ND(0.020)	ND(0.020 J)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	0.015
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020 J)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020 J)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020 J)	ND(0.020)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	ND(0.10)	NA	NA	ND(0.10)	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	0.0024 J
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	0.0022 J
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	0.0021 J
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	0.0015 J (GCC)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	0.0024 J (GCC,IDW)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050 J)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	0.071 (IDW)
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA	NA	NA	NA	NA
Carbazole	mg/L	NA	ND(0.010)	ND(0.0050)	NA	ND(0.0050 J)	ND(0.010)	0.0032 J
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	0.0026 J (GCC,IDW)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	0.0021 J
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.00080 J	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	0.0084
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	0.0043 J
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050 J)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	0.012
Pentachlorophenol	mg/L	0.0032 J (IDW)	ND(0.025)	ND(0.020)	ND(0.025)	ND(0.020 J)	ND(0.025)	ND(0.025)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	0.014
Phenol	mg/L	0.00089 J	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	0.0064
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-6B 09/26/95	Green Point Landfill X-7A 06/20/95	Green Point Landfill X-7A 06/12/96	Green Point Landfill X-7BR 06/20/95	Green Point Landfill X-7BR 06/05/96	Green Point Landfill X-7CAUG 06/21/95	Green Point Landfill X-7DAUG 06/20/95
Semivolatile Organics								
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.20)	ND(0.20)	ND(0.25)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	0.015 J	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.080)	ND(0.080)	ND(0.10)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	0.030	0.025	0.019 J	0.00050 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.080)	ND(0.080)	ND(0.10)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.080)	ND(0.080)	ND(0.10)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020 J)
4-Chloro-3-Methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	0.011 J	0.066	0.085	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.080)	ND(0.080)	ND(0.10)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/L	0.0074 J	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	0.0066 J	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	0.0079 J	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	0.0076 J (GCC,IDW)	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	0.012 J (GCC,IDW)	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	0.0040 J (GCC,IDW)	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	0.45 (GAI,GCC,IDW)	ND(0.020)	ND(0.025)	ND(0.0050)	0.0024 J	ND(0.0050)	ND(0.0050)
Butylbenzylphthalate	mg/L	ND(0.020)	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA	NA	NA	NA	NA
Carbazole	mg/L	0.011 J	ND(0.020)	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Chrysene	mg/L	0.0094 J (GCC,IDW)	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	0.0070 J	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.020)	0.0068 J	0.0095 J	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.020)	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	0.0066 J	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0015 J
Di-n-Octylphthalate	mg/L	0.012 J	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.00080 J
Fluoranthene	mg/L	0.027	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	0.010 J	0.0029 J	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.020)	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	0.0044 J (GCC,IDW)	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.020)	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.019
Naphthalene	mg/L	0.054	0.051	0.039	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.10)	ND(0.080)	ND(0.12)	ND(0.020 J)	ND(0.025)	ND(0.020)	ND(0.020)
Phenanthrene	mg/L	0.038	0.0046 J	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	0.016 J	ND(0.020)	0.025	0.0057 B	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	0.019 J	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.020)	ND(0.020)	ND(0.025)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-7DAUG 06/05/96	Green Point Landfill X-9C 12/15/06	Green Point Landfill X-10A 06/13/96	Green Point Landfill X-10BR 07/24/95	Green Point Landfill X-10BR 12/15/06	Green Point Landfill X-10CR 07/24/95	Green Point Landfill X-10CR 12/13/06
Semivolatile Organics								
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.0050)	ND(0.050)	ND(0.050)	ND(0.0050)	ND(0.050)	ND(0.0050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0040)	ND(0.0050)	ND(0.0050)	ND(0.0040)	ND(0.0050)	ND(0.0040)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.010)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.0040)	ND(0.020)	ND(0.020)	ND(0.0040)	ND(0.020)	ND(0.0040)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0050)	ND(0.0010)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0050)	ND(0.0010)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0050)	ND(0.0010)
Benzo(g,h,i)perylene	mg/L	ND(0.0050 J)	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0050)	ND(0.0010)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	ND(0.010)	NA	NA	0.0033 J	NA	0.0087 J
Carbazole	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Chrysene	mg/L	ND(0.0050)	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0050)	ND(0.0010)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0040)	ND(0.0050)	ND(0.0050)	ND(0.0040)	ND(0.0050)	ND(0.0040)
Diethylphthalate	mg/L	ND(0.0050)	R	ND(0.0050)	ND(0.0050)	R	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	R	ND(0.0050)	ND(0.0050)	R	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0050)	ND(0.0010)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	R	ND(0.0050)	ND(0.0050)	R	ND(0.0050)	R
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050 J)	ND(0.0020)	ND(0.0050)	ND(0.0050)	ND(0.0020)	ND(0.0050)	ND(0.0020)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.025)	ND(0.0050)	ND(0.025)	ND(0.025)	ND(0.0050)	ND(0.025)	ND(0.0050)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0020)	ND(0.0050)	ND(0.0050)	ND(0.0020)	ND(0.0050)	ND(0.0020)
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-10D 12/14/06	Green Point Landfill X-10DAUG 07/24/95	Green Point Landfill X-16A 07/27/95	Green Point Landfill X-16A 06/06/96	Green Point Landfill X-16B 07/28/95	Green Point Landfill X-17R 07/26/95	Green Point Landfill X-17R 06/04/96
Semivolatile Organics								
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.0050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050) [ND(0.050)]
2,4,6-Trichlorophenol	mg/L	ND(0.0040)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
2,4-Dichlorophenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020 J)	ND(0.020)	ND(0.020)	ND(0.020 J) [ND(0.020 J)]
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
3,3'-Dichlorobenzidine	mg/L	ND(0.0040)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Benzo(a)anthracene	mg/L	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Benzo(a)pyrene	mg/L	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Benzo(b)fluoranthene	mg/L	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Benzo(g,h,i)perylene	mg/L	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
bis(2-Ethylhexyl)phthalate	mg/L	0.0012 J	ND(0.0050)	0.0015 J	ND(0.0050 J)	ND(0.0050)	ND(0.0050)	0.0075 J (IDW) [ND(0.0050 J)]
Butylbenzylphthalate	mg/L	ND(0.0050 J)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Caprolactam	mg/L	0.0037 J	NA	NA	NA	NA	NA	NA
Carbazole	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Chrysene	mg/L	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Dibenzofuran	mg/L	ND(0.0040)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Diethylphthalate	mg/L	R	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Dimethylphthalate	mg/L	R	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Di-n-Butylphthalate	mg/L	ND(0.0050 J)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Fluoranthene	mg/L	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Hexachlorocyclopentadiene	mg/L	R	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0020)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Pentachlorophenol	mg/L	ND(0.0050)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025) [ND(0.025)]
Phenanthrene	mg/L	ND(0.0020)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-17R 05/18/00	Green Point Landfill X-19AR 07/28/95	Green Point Landfill X-19AR 06/04/96	Off-site South AW-1 11/14/96	Previously Proposed Type III Landfill Area MW-3A 07/27/95
Semivolatile Organics						
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.0050)	ND(0.050)	ND(0.050)	ND(0.050)	R
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	R
2,4-Dichlorophenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	R
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	R
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020 J)	ND(0.020)	R
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	R
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	R
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	R
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	R
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	R
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	R
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	R
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0050)	0.00054 J	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA	NA	NA
Carbazole	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.0010)	ND(0.025)	ND(0.025)	ND(0.025)	R
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	R
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	R

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-3A 06/12/96	Previously Proposed Type III Landfill Area MW-3B 07/27/95	Previously Proposed Type III Landfill Area MW-119S1 07/17/95
Semivolatile Organics				
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020 J)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA
Carbazole	mg/L	ND(0.010)	ND(0.010)	ND(0.010)
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.025)	ND(0.025)	ND(0.025)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-119S2 07/17/95	Previously Proposed Type III Landfill Area MW-119WT 07/17/95	Previously Proposed Type III Landfill Area MW-120S1 07/18/95
Semivolatile Organics				
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020 J)	ND(0.020 J)	ND(0.020 J)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA
Carbazole	mg/L	ND(0.010)	ND(0.010)	ND(0.010)
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.025)	ND(0.025)	ND(0.025)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-120S2 07/18/95	Previously Proposed Type III Landfill Area MW-120WT 07/18/95	Previously Proposed Type III Landfill Area MW-121S1 07/18/95
Semivolatile Organics				
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020 J) [ND(0.020)]	ND(0.020 J)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0033) [ND(0.0013)]	ND(0.0050)	ND(0.00086)
Butylbenzylphthalate	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA
Carbazole	mg/L	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Chrysene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.025) [ND(0.025)]	ND(0.025)	ND(0.025)
Phenanthrene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Phenol	mg/L	0.00078 J [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-121S2 07/18/95	Previously Proposed Type III Landfill Area MW-121WT 07/18/95	Previously Proposed Type III Landfill Area MW-121WT 06/04/96
Semivolatile Organics				
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	R	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	R	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	R	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	R	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	R	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	R	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	R	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	R	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020 J)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	R	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	R	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	R	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	R	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0018)	ND(0.0050 J)	ND(0.0050)
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA
Carbazole	mg/L	ND(0.010)	ND(0.010 J)	ND(0.010)
Chrysene	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050 J)
Isophorone	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.025)	R	ND(0.025)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	R	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050 J)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	R	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-122S1 07/18/95	Previously Proposed Type III Landfill Area MW-122S2 07/18/95	Previously Proposed Type III Landfill Area MW-122WT 07/18/95
Semivolatile Organics				
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020 J)	ND(0.020 J)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA
Carbazole	mg/L	ND(0.010)	ND(0.010)	ND(0.010)
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	0.0010 J	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.025)	ND(0.025)	ND(0.025)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-125WT 07/19/95	Previously Proposed Type III Landfill Area MW-125WT 06/04/96	Previously Proposed Type III Landfill Area TW-219S1 01/27/95
Semivolatile Organics				
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.060)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0060)	ND(0.0050)	0.0013 J
2,4-Dinitrophenol	mg/L	ND(0.024)	ND(0.020 J)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.024)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.024)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.024)	ND(0.020)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA
Acenaphthene	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0060)	ND(0.0050 J)	0.0013 J
Butylbenzylphthalate	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA
Carbazole	mg/L	ND(0.012)	ND(0.010)	ND(0.0050)
Chrysene	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.030)	ND(0.025)	ND(0.020)
Phenanthrene	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0060)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-219S2 01/27/95	Previously Proposed Type III Landfill Area TW-219WT 01/26/95	Previously Proposed Type III Landfill Area TW-220S1 01/30/95
Semivolatile Organics				
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.050)	ND(0.052)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.021)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.021)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.021)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.021)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0050)	0.0028 J	0.0051 J
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Caprolactam	mg/L	NA	NA	NA
Carbazole	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Pentachlorophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.021)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0052)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-220S2 01/30/95	Previously Proposed Type III Landfill Area TW-220S3 02/01/95	Previously Proposed Type III Landfill Area TW-220WT 01/30/95
Semivolatile Organics				
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0050)	ND(0.0050)	0.012 (IDW)
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA
Carbazole	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-221S1 01/31/95	Previously Proposed Type III Landfill Area TW-221S2 01/31/95	Previously Proposed Type III Landfill Area TW-221S3 02/01/95
Semivolatile Organics				
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA
Carbazole	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Chrysene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Di-n-Butylphthalate	mg/L	0.00051 J	ND(0.0050) [ND(0.0050)]	0.0011 J
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-221S4 02/01/95	Previously Proposed Type III Landfill Area TW-221WT 01/30/95	Previously Proposed Type III Landfill Area TW-222S1 01/31/95
Semivolatile Organics				
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0050)	ND(0.0050)	0.00054 J
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA
Carbazole	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0050)	0.0021 J
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-222S2 01/31/95	Previously Proposed Type III Landfill Area TW-222S3 01/31/95	Previously Proposed Type III Landfill Area TW-222WT 01/31/95
Semivolatile Organics				
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA
Carbazole	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-227WT 02/03/95	Previously Proposed Type III Landfill Area X-13AR 07/18/95	Previously Proposed Type III Landfill Area X-13AR 06/08/96
Semivolatile Organics				
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020 J)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	0.0019 J	0.076 B (DW)	ND(0.0050)
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA
Carbazole	mg/L	ND(0.0050)	ND(0.010)	ND(0.010)
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.020)	ND(0.025)	ND(0.025)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	0.00090 J	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area X-13AR 05/20/00	Previously Proposed Type III Landfill Area X-13B 07/18/95	Previously Proposed Type III Landfill Area X-13CAUG 07/18/95
Semivolatile Organics				
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.0050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020 J)	ND(0.020 J)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0050)	ND(0.00058)	ND(0.0014)
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA
Carbazole	mg/L	ND(0.010)	ND(0.010)	ND(0.010)
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	0.0076
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.0010)	ND(0.025)	ND(0.025)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area X-13CAUG 06/08/96	Previously Proposed Type III Landfill Area X-14A 07/18/95	Previously Proposed Type III Landfill Area X-14B 07/18/95
Semivolatile Organics				
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020 J)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	0.0011 J [ND(0.0050)]	ND(0.0026)	ND(0.0050)
Butylbenzylphthalate	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA
Carbazole	mg/L	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Chrysene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.025) [ND(0.025)]	ND(0.025)	ND(0.025)
Phenanthrene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area X-14CAUG 07/18/95	Previously Proposed Type III Landfill Area X-14CAUG 06/04/96	Previously Proposed Type III Landfill Area X-14CAUG 05/18/00	Saginaw River Area X-4AR 07/24/95
Semivolatile Organics					
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.050)	ND(0.0050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020 J)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020 J)	ND(0.020)	ND(0.020)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0077)	0.0068 J (IDW)	ND(0.0050)	ND(0.0050)
Butylbenzylphthalate	mg/L	0.024	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA	NA
Carbazole	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	0.00059 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	0.00088 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.025)	ND(0.025)	ND(0.0010)	ND(0.025)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	0.00071 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Saginaw River Area X-4AR 06/09/96	Saginaw River Area X-4CAUG 07/24/95	Saginaw River Area X-4CAUG 06/08/96	Saginaw River Area X-9AR 07/24/95	Saginaw River Area X-9AR 06/09/96	Saginaw River Area X-9BR 07/24/95	Saginaw River Area X-9BR 06/08/96
Semivolatile Organics								
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020 J)	ND(0.020)	ND(0.020 J)	ND(0.020)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020 J)	ND(0.020)	ND(0.020 J)	ND(0.020)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	ND(0.0050 J)	ND(0.0050)	0.0011 J
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA	NA	NA	NA	NA
Carbazole	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0047 J	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Saginaw River Area X-9BR 12/15/06	Saginaw River Area X-9CAUG 07/24/95	Saginaw River Area X-9CAUG 06/08/96	Southern Drainage Channels MW-1A 07/17/95	Southern Drainage Channels MW-1B 07/15/95	Southern Drainage Channels MW-1CAUG 07/15/95
Semivolatile Organics							
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	R [R]	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.0050)	ND(0.050)	ND(0.050)	ND(0.010) [ND(0.010)]	ND(0.060)	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0040)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.024)	ND(0.020)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.0040)	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.024)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.024)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.024 J)	ND(0.020 J)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	ND(0.10) [ND(0.10)]	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Butylbenzylphthalate	mg/L	ND(0.0050 J)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Caprolactam	mg/L	ND(0.010)	NA	NA	NA	NA	NA
Carbazole	mg/L	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.012)	ND(0.010)
Chrysene	mg/L	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0040)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Diethylphthalate	mg/L	R	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Dimethylphthalate	mg/L	R	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050 J)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	R	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0020)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.0050)	ND(0.025)	ND(0.025)	ND(0.025) [ND(0.025)]	ND(0.030)	ND(0.025)
Phenanthrene	mg/L	ND(0.0020)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0060)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-117S1 06/20/95	Southern Drainage Channels MW-117S2 06/20/95	Southern Drainage Channels MW-117S2 05/20/00	Southern Drainage Channels MW-117S2 12/13/06	Southern Drainage Channels MW-117WT 06/20/95
Semivolatile Organics						
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0040) [ND(0.0040)]	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	0.00080 J	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)
2-Chlorophenol	mg/L	0.00090 J	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	R [ND(0.0040)]	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020 J)	ND(0.020 J)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010) [ND(0.0010)]	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010) [ND(0.0010)]	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010) [ND(0.0010)]	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010) [ND(0.0010)]	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0050)	0.012 B (IDW)	ND(0.0050)	ND(0.0050) [0.0011 J]	ND(0.0050)
Butylbenzylphthalate	mg/L	ND(0.0050)	0.0012 J	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA	0.0011 J [0.00067 J]	NA
Carbazole	mg/L	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.0050)
Chrysene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010) [ND(0.0010)]	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0040) [ND(0.0040)]	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Di-n-Butylphthalate	mg/L	0.00060 J	0.00070 J	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010) [ND(0.0010)]	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	R [R]	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0020) [ND(0.0020)]	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.020)	ND(0.020)	ND(0.0010)	ND(0.0050) [ND(0.0050)]	ND(0.020 J)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0020) [ND(0.0020)]	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-118S1 06/20/95	Southern Drainage Channels MW-118S2 06/20/95	Southern Drainage Channels MW-118S2 12/14/06	Southern Drainage Channels MW-118WT 06/20/95	Southern Drainage Channels TW-216S1 05/10/95
Semivolatile Organics						
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.0050)	ND(0.050)	ND(0.0050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0040)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.010)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.0017 J	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020 J)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.0040)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020 J)	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	0.0047 J
Butylbenzylphthalate	mg/L	0.00080 J	ND(0.0050) [ND(0.0050)]	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	ND(0.010)	NA	NA
Carbazole	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.010)	ND(0.0050)	ND(0.0050)
Chrysene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0040)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	R	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	R	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050 J)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	R	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0020)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.020)	ND(0.020 J) [ND(0.020)]	ND(0.0050)	ND(0.020)	ND(0.020)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0020)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.018 B	0.0016 J
Pyrene	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels TW-216S2 05/11/95	Southern Drainage Channels TW-216WT 05/10/95	Southern Drainage Channels TW-217S1 05/10/95	Southern Drainage Channels TW-217S2 05/10/95	Southern Drainage Channels TW-217WT 05/09/95
Semivolatile Organics						
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.0050) [ND(0.050)]	ND(0.050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020) [ND(0.020)]	ND(0.020 J)	ND(0.020 J)	ND(0.020 J)	ND(0.020 J)
2-Chlorophenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	ND(0.0050) [0.0022 JB]	ND(0.0050)	ND(0.0050)	0.0041 J	0.0018 J
Butylbenzylphthalate	mg/L	ND(0.0050) [ND(0.0050)]	0.0021 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA	NA	NA
Carbazole	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chrysene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
Phenanthrene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 2. Semivolatile Organic Compounds Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels TW-218S1 05/09/95	Southern Drainage Channels TW-218S2 05/09/95	Southern Drainage Channels TW-218S3 05/09/95	Southern Drainage Channels TW-218WT 05/09/95
Semivolatile Organics					
1,3,5-Trinitrobenzene	mg/L	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
2,4,6-Trichlorophenol	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
2,4-Dichlorophenol	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
2,4-Dimethylphenol	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
2,4-Dinitrophenol	mg/L	ND(0.020 J)	ND(0.023 J)	ND(0.020 J)	ND(0.020 J)
2-Chlorophenol	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
2-Methylnaphthalene	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
2-Methylphenol	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
2-Nitrophenol	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
3,3'-Dichlorobenzidine	mg/L	ND(0.020)	ND(0.023)	ND(0.020)	ND(0.020)
4,6-Dinitro-2-methylphenol	mg/L	ND(0.020)	ND(0.023)	ND(0.020)	ND(0.020)
4-Chloro-3-Methylphenol	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
4-Methylphenol	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
4-Nitrophenol	mg/L	ND(0.020)	ND(0.023)	ND(0.020)	ND(0.020)
4-Nitroquinoline-1-oxide	mg/L	NA	NA	NA	NA
Acenaphthene	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Anthracene	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Benzo(a)anthracene	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Benzo(a)pyrene	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Benzo(b)fluoranthene	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Benzo(g,h,i)perylene	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
bis(2-Ethylhexyl)phthalate	mg/L	0.041 (IDW)	0.0047 J	0.0065 (IDW)	0.0012 J
Butylbenzylphthalate	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Caprolactam	mg/L	NA	NA	NA	NA
Carbazole	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Chrysene	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Dibenzofuran	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Diethylphthalate	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Dimethylphthalate	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Di-n-Butylphthalate	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Di-n-Octylphthalate	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Fluoranthene	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Fluorene	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Hexachlorocyclopentadiene	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Indeno(1,2,3-cd)pyrene	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Isophorone	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Naphthalene	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Pentachlorophenol	mg/L	ND(0.020)	ND(0.023)	ND(0.020)	ND(0.020)
Phenanthrene	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Pyrene	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)
Total Methylphenols	mg/L	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Generic MDEQ Criteria Values					Central Type III Landfill X-2A 07/15/95	Central Type III Landfill X-2A 06/12/96	Central Type III Landfill X-2A 05/19/00
		FE	GAI	GCC	IDW	IGVIA			
PCBs									
Aroclor-1242	mg/L	--	--	--	--	--	ND(0.00020 J)	NA	NA
Aroclor-1248	mg/L	--	--	--	--	--	ND(0.00020 J)	NA	NA
Aroclor-1254	mg/L	--	--	--	--	--	ND(0.00020 J)	NA	NA
Total PCBs	mg/L	{ID}	{ID}	0.0033 {J,T,AA}	0.0005 {J,T,A}	0.045 {J,T,S}	ND(0.00080)	NA	NA
PCBs-Dissolved									
Aroclor-1248 (Dissolved)	mg/L	--	--	--	--	--	ND(0.0002)	NA	NA
Total PCBs-Dissolved	mg/L	{ID}	{ID}	0.0033 {J,T,AA}	0.0005 {J,T,A}	0.045 {J,T,S}	ND(0.0008)	NA	NA
Organochlorine Pesticides									
None Detected	--	--	--	--	--	--	NA	NA	NA
Organophosphate Pesticides									
None Detected	--	--	--	--	--	--	NA	NA	NA
Herbicides									
None Detected	--	--	--	--	--	--	NA	NA	NA
Dioxins/Furans									
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	--	--	--	--	--	NA	NA	NA
Miscellaneous									
Alkalinity, Total (As CaCO3)	mg/L	--	--	--	--	--	NA	160 J	NA
Ammonia Nitrogen	mg/L	{ID}	3,500	{ID}	10 {N}	7,100	NA	NA	5.6
Biochemical Oxygen Demand (BOD)	mg/L	--	--	--	--	--	NA	11	NA
Chemical Oxygen Demand (COD)	mg/L	--	--	--	--	--	NA	NA	NA
Chloride	mg/L	{ID}	{ID}	{ID}	250 {E}	{NLV}	NA	NA	884 J (IDW)
Ferrous Iron	mg/L	--	--	--	--	--	NA	NA	NA
Hardness	mg/L	--	--	--	--	--	NA	NA	NA
Iron	mg/L	{ID}	{ID}	58,000 {B}	13 {B,E}	{NLV}	NA	NA	NA
Manganese	mg/L	{ID}	{ID}	9,100 {B}	2.1 {B,E}	{NLV}	NA	NA	NA
Nitrate (as N)	mg/L	{ID}	{ID}	310,000 {B,N}	10 {B,A,N}	{NLV}	NA	NA	ND(2.5 G)
Nitrite (as N)	mg/L	{ID}	{ID}	{ID}	1 {B,A,N}	{NLV}	NA	NA	ND(2.5 G)
Nitrogen	mg/L	--	--	--	--	--	NA	NA	NA
pH	S.U.	{NA}	{NA}	{NA}	{6.5 to 8.5 (E)}	{NA}	NA	NA	7.6
Phenolics (Total)	mg/L	--	--	--	--	--	NA	NA	NA
Phosphorus	mg/L	{ID}	{ID}	{ID}	240	{NLV}	NA	NA	NA
Sulfate	mg/L	{ID}	{ID}	{ID}	250 {E}	{NLV}	NA	NA	24
Sulfide	mg/L	--	--	--	--	--	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	{NA}	{NA}	{NA}	500 {E}	{NA}	NA	NA	1,600 (IDW)
Total Organic Carbon (TOC)	mg/L	--	--	--	--	--	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	--	--	--	--	--	NA	ND(8)	NA
Gases									
Carbon Dioxide by Headspace	mg/L	--	--	--	--	--	NA	NA	NA
Dissolved Oxygen	mg/L	--	--	--	--	--	NA	NA	NA
Ethane	ng/L	--	--	--	--	--	NA	NA	NA
Ethene	ng/L	--	--	--	--	--	NA	NA	NA
Methane	mg/L	0.52 {K}	{ID}	{ID}	{ID}	{K}	NA	NA	NA
Nitrogen	mg/L	--	--	--	--	--	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Central Type III Landfill X-2A 06/18/01	Central Type III Landfill X-2A 06/26/02	Central Type III Landfill X-2A 06/17/03	Central Type III Landfill X-2A 06/18/03	Central Type III Landfill X-2A 05/25/04
PCBs						
Aroclor-1242	mg/L	NA	NA	NA	NA	NA
Aroclor-1248	mg/L	NA	NA	NA	NA	NA
Aroclor-1254	mg/L	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA
PCBs-Dissolved						
Aroclor-1248 (Dissolved)	mg/L	NA	NA	NA	NA	NA
Total PCBs-Dissolved	mg/L	NA	NA	NA	NA	NA
Organochlorine Pesticides						
None Detected	- -	NA	NA	NA	NA	NA
Organophosphate Pesticides						
None Detected	- -	NA	NA	NA	NA	NA
Herbicides						
None Detected	- -	NA	NA	NA	NA	NA
Dioxins/Furans						
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA
Miscellaneous						
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	6.6	7.8	9.4	NA	9.3
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA
Chloride	mg/L	982 (IDW)	1,060 (IDW)	NA	913 (IDW)	815 (IDW)
Ferrous Iron	mg/L	NA	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	ND(0.5)	ND(0.5)	NA	ND(0.5)	ND(0.5)
Nitrite (as N)	mg/L	R	ND(0.5)	NA	ND(0.5)	ND(0.5)
Nitrogen	mg/L	NA	NA	NA	NA	NA
pH	S.U.	7.8	8 [8.1]	NA	8	8.2
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA
Sulfate	mg/L	ND(1)	0.42 B	NA	0.32 BJ	ND(1)
Sulfide	mg/L	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	1,900 (IDW)	2,000 (IDW) [2,000 (IDW)]	NA	1,800 (IDW)	1,700 (IDW)
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA	NA
Gases						
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Central Type III Landfill X-2A 06/22/05	Central Type III Landfill X-2A 12/12/06	Central Type III Landfill X-2B 07/15/95	Central Type III Landfill X-2B 12/12/06	Central Type III Landfill X-2C 07/15/95
PCBs						
Aroclor-1242	mg/L	NA	NA	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	NA	NA	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	NA	NA	ND(0.00020)	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	NA	NA	ND(0.00080)	ND(0.00020)	ND(0.00040)
PCBs-Dissolved						
Aroclor-1248 (Dissolved)	mg/L	NA	NA	ND(0.0002)	NA	ND(0.0002)
Total PCBs-Dissolved	mg/L	NA	NA	ND(0.0008)	NA	ND(0.0004)
Organochlorine Pesticides						
None Detected	--	NA	NA	NA	NA	NA
Organophosphate Pesticides						
None Detected	--	NA	NA	NA	NA	NA
Herbicides						
None Detected	--	NA	NA	NA	NA	NA
Dioxins/Furans						
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA
Miscellaneous						
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	0.5	9	NA	0.4	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA
Chloride	mg/L	412 (IDW)	500 (IDW)	NA	429 (IDW)	NA
Ferrous Iron	mg/L	NA	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	ND(0.1)	ND(0.1)	NA	ND(0.1)	NA
Nitrite (as N)	mg/L	ND(0.1)	0.23	NA	0.21	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA
pH	S.U.	6.9	8.2 J	NA	7.2 J	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA
Sulfate	mg/L	0.14 B	0.21 J	NA	ND(1)	NA
Sulfide	mg/L	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	1,300 (IDW)	1,000 (IDW)	NA	1,600 (IDW)	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA	NA
Gases						
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Central Type III Landfill X-2C 12/12/06	Central Type III Landfill X-2DAUG 07/15/95	Drum Remediation/Wetland Area MW-123S1 07/18/95	Drum Remediation/Wetland Area MW-123WT 07/18/95
PCBs					
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020 J)	ND(0.00020 J)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020 J)	ND(0.00020 J)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020 J)	ND(0.00020 J)
Total PCBs	mg/L	ND(0.00020)	ND(0.00040)	ND(0.00040)	ND(0.00040)
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	NA	ND(0.0002)	ND(0.0002 J)	ND(0.0002 J)
Total PCBs-Dissolved	mg/L	NA	ND(0.0004)	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	2.7	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA
Chloride	mg/L	352 (IDW)	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Nitrate (as N)	mg/L	ND(0.1)	NA	NA	NA
Nitrite (as N)	mg/L	0.17	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA
pH	S.U.	7 J	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA
Sulfate	mg/L	ND(1)	NA	NA	NA
Sulfide	mg/L	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	1,400 (IDW)	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA
Gases					
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area MW-124S1 07/19/95	Drum Remediation/Wetland Area MW-124WT 07/19/95	Drum Remediation/Wetland Area MW-126WT 07/30/95	Drum Remediation/Wetland Area MW-126WT 06/06/96
PCBs					
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)	ND(0.00040)	ND(0.00040)
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides					
None Detected	--	NA	NA	--	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	--	NA
Herbicides					
None Detected	--	NA	NA	--	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	ND(12,000)	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA
Chloride	mg/L	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	0.03
Hardness	mg/L	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA	ND(0.08)
Nitrite (as N)	mg/L	NA	NA	NA	ND(0.07)
Nitrogen	mg/L	NA	NA	NA	NA
pH	S.U.	NA	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	90.1
Sulfide	mg/L	NA	NA	ND(0.5)	ND(0.2)
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	13.9
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA
Gases					
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	120.6
Dissolved Oxygen	mg/L	NA	NA	NA	6.6
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	ND(0.2)
Nitrogen	mg/L	NA	NA	NA	30.3

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area MW-127S1 07/26/95	Drum Remediation/Wetland Area MW-127WT 07/26/95	Drum Remediation/Wetland Area TW-223S1 02/01/95	Drum Remediation/Wetland Area TW-223S2 02/01/95
PCBs					
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)	ND(0.00040)	ND(0.00040)
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002 J)	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA
Chloride	mg/L	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA
pH	S.U.	NA	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA
Sulfide	mg/L	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA
Gases					
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area TW-223WT 02/01/95	Drum Remediation/Wetland Area TW-224S1 02/02/95	Drum Remediation/Wetland Area TW-224WT 02/02/95	Drum Remediation/Wetland Area TW-225S1 02/03/95
PCBs					
Aroclor-1242	mg/L	ND(0.00020 J)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020 J)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020 J)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)	ND(0.00040)	ND(0.00040)
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	0.00028 J	ND(0.0002)	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	0.00028 J	ND(0.0004)	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA
Chloride	mg/L	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA
pH	S.U.	NA	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA
Sulfide	mg/L	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA
Gases					
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area TW-225WT 02/02/95	Drum Remediation/Wetland Area TW-226S1 02/02/95	Drum Remediation/Wetland Area TW-241WT 08/08/98	Drum Remediation/Wetland Area TW-242WT 08/08/98
PCBs					
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)	ND(0.00040)	ND(0.00040)
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA
Chloride	mg/L	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA
pH	S.U.	NA	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA
Sulfide	mg/L	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA
Gases					
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area TWW-1 01/25/97	Drum Remediation/Wetland Area TWW-1 08/08/98	Drum Remediation/Wetland Area TWW-1 05/21/00	Drum Remediation/Wetland Area TWW-2 01/23/97
PCBs					
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020)	NA	ND(0.00020) [ND(0.00020)]
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020)	NA	ND(0.00020) [ND(0.00020)]
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020)	NA	ND(0.00020) [ND(0.00020)]
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)	NA	ND(0.00040) [ND(0.00040)]
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	NA	NA
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)	NA	NA
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA
Chloride	mg/L	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	ND(1)	NA
Hardness	mg/L	NA	NA	NA	NA
Iron	mg/L	NA	NA	0.25	NA
Manganese	mg/L	NA	NA	1.6	NA
Nitrate (as N)	mg/L	NA	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	ND(0.05)	NA
pH	S.U.	NA	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	340 (IDW)	NA
Sulfide	mg/L	NA	NA	ND(2)	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	13	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA
Gases					
Carbon Dioxide by Headspace	mg/L	NA	NA	146.93	NA
Dissolved Oxygen	mg/L	NA	NA	1.24	NA
Ethane	ng/L	NA	NA	44,103	NA
Ethene	ng/L	NA	NA	17,324	NA
Methane	mg/L	NA	NA	0.58 (FE)	NA
Nitrogen	mg/L	NA	NA	17.93	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area TWW-2 01/25/97	Drum Remediation/Wetland Area X-11AR 07/26/95	Drum Remediation/Wetland Area X-12AR 07/26/95	Drum Remediation/Wetland Area X-12B 07/26/95
PCBs					
Aroclor-1242	mg/L	NA	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	NA	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	NA	ND(0.00020)	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	NA	ND(0.00040)	ND(0.00040)	ND(0.00040)
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002) [ND(0.0002)]	ND(0.0002)	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004) [ND(0.0004)]	ND(0.0004)	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides					
None Detected	--	NA	NA	--	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	--	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	ND(4.4)	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA
Chloride	mg/L	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA
pH	S.U.	NA	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA
Sulfide	mg/L	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA
Gases					
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area X-12CAUG 07/26/95	Drum Remediation/Wetland Area X-15AR 07/19/95	Drum Remediation/Wetland Area X-15BR 07/19/95	Drum Remediation/Wetland Area X-20 07/25/95
PCBs					
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)	ND(0.00040)	ND(0.00040)
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA
Chloride	mg/L	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA
pH	S.U.	NA	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA
Sulfide	mg/L	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA
Gases					
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Eastern Property Extension MW-2A 07/27/95	Eastern Property Extension MW-2B 07/27/95	Eastern Property Extension MW-2CAUG 07/27/95	Green Point Landfill MW-117SI 12/13/06	Green Point Landfill MW-128S1 07/26/95
PCBs						
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	NA	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	NA	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	NA	ND(0.00020)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)	ND(0.00040)	NA	ND(0.00040)
PCBs-Dissolved						
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)	NA	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)	ND(0.0004)	NA	ND(0.00041)
Organochlorine Pesticides						
None Detected	--	NA	NA	NA	NA	--
Organophosphate Pesticides						
None Detected	--	NA	NA	NA	NA	NA
Herbicides						
None Detected	--	NA	NA	NA	NA	--
Dioxins/Furans						
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	ND(4.8)
Miscellaneous						
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA	8.2	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA
Chloride	mg/L	NA	NA	NA	267 (IDW)	NA
Ferrous Iron	mg/L	NA	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA	ND(0.1)	NA
Nitrite (as N)	mg/L	NA	NA	NA	ND(0.1)	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA
pH	S.U.	NA	NA	NA	7.1 J	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	ND(1)	NA
Sulfide	mg/L	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA	960 (IDW)	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA	NA
Gases						
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill MW-128S1 03/12/97	Green Point Landfill MW-128S1 05/19/00	Green Point Landfill MW-128S1 06/20/01	Green Point Landfill MW-128S1 06/26/02	Green Point Landfill MW-128S1 06/18/03	Green Point Landfill MW-128S1 05/25/04
PCBs							
Aroclor-1242	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1248	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1254	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs-Dissolved	mg/L	NA	NA	NA	NA	NA	NA
Organochlorine Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	--	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	3.3	7.4	7.2	6.9	6.4
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA	NA
Chloride	mg/L	NA	1,320 J (IDW)	1,230 (IDW)	1,460 (IDW)	1,090 (IDW)	1,220 (IDW)
Ferrous Iron	mg/L	5.3	20	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	22 (IDW)	NA	NA	NA	NA
Manganese	mg/L	NA	0.33	NA	NA	NA	NA
Nitrate (as N)	mg/L	ND(0.08)	ND(5 G)	ND(0.5)	ND(0.5)	ND(0.5)	0.04 B
Nitrite (as N)	mg/L	ND(0.07)	ND(5 G)	R	ND(10)	ND(0.5)	ND(0.5)
Nitrogen	mg/L	NA	0.08	NA	NA	NA	NA
pH	S.U.	NA	6.7	7.7	7.6	9.8	9.2
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	ND(5)	3.8 BG	5	3	22.7 J	27.2
Sulfide	mg/L	1	ND(2)	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	3,000 (IDW)	3,100 (IDW)	3,100 (IDW)	2,700 (IDW)	2,400 (IDW)
Total Organic Carbon (TOC)	mg/L	144	120	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA	NA	NA
Gases							
Carbon Dioxide by Headspace	mg/L	535.8	331.6	NA	NA	NA	NA
Dissolved Oxygen	mg/L	0.17	0.3	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA	NA
Methane	mg/L	11.08 (FE)	9.46 (FE)	NA	NA	NA	NA
Nitrogen	mg/L	3	5.64	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill MW-128S1 06/22/05	Green Point Landfill MW-128SI 12/12/06	Green Point Landfill MW-128WT 07/26/95	Green Point Landfill MW-128WT 03/12/97	Green Point Landfill MW-128WT 05/19/00	Green Point Landfill MW-128WT 06/20/01
PCBs							
Aroclor-1242	mg/L	NA	NA	ND(0.00020)	NA	NA	NA
Aroclor-1248	mg/L	NA	NA	ND(0.00020)	NA	NA	NA
Aroclor-1254	mg/L	NA	NA	ND(0.00020)	NA	NA	NA
Total PCBs	mg/L	NA	NA	ND(0.00040)	NA	NA	NA
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	NA	NA	ND(0.0002)	NA	NA	NA
Total PCBs-Dissolved	mg/L	NA	NA	ND(0.0004)	NA	NA	NA
Organochlorine Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	--	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	5.6 [5.7]	5	NA	NA	13 (IDW)	66 (IDW)
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA	NA
Chloride	mg/L	1,230 (IDW) [1,230 (IDW)]	1,250 (IDW)	NA	NA	775 J (IDW)	995 (IDW)
Ferrous Iron	mg/L	NA	NA	NA	6.7	20	NA
Hardness	mg/L	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	21 (IDW)	NA
Manganese	mg/L	NA	NA	NA	NA	2	NA
Nitrate (as N)	mg/L	ND(0.1) [ND(0.1)]	ND(0.1)	NA	0.14	ND(2.5 G)	ND(0.5)
Nitrite (as N)	mg/L	ND(2) [ND(2)]	0.93 J	NA	ND(0.07)	ND(2.5 G)	R
Nitrogen	mg/L	NA	NA	NA	NA	ND(0.05)	NA
pH	S.U.	8.5 [8.5]	8.5 J	NA	NA	7.2	7.9
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	33.8 [33.8]	36.3	NA	ND(5)	101	105
Sulfide	mg/L	NA	NA	NA	1	ND(2)	NA
Total Dissolved Solids (TDS)	mg/L	2,800 (IDW) [2,800 (IDW)]	3,700 (IDW)	NA	NA	1,800 (IDW)	2,100 (IDW)
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	135	68	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA	NA	NA
Gases							
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	345.2	37.79	NA
Dissolved Oxygen	mg/L	NA	NA	NA	0.25	0.47	NA
Ethane	ng/L	NA	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	11.78 (FE)	0.39	NA
Nitrogen	mg/L	NA	NA	NA	5.6	13.2	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill MW-128WT 06/26/02	Green Point Landfill MW-128WT 06/18/03	Green Point Landfill MW-128WT 05/25/04	Green Point Landfill MW-128WT 06/22/05	Green Point Landfill MW-128WT 12/13/06	Green Point Landfill MW-129WT 07/28/95
PCBs							
Aroclor-1242	mg/L	NA	NA	NA	NA	NA	ND(0.00020)
Aroclor-1248	mg/L	NA	NA	NA	NA	NA	ND(0.00020)
Aroclor-1254	mg/L	NA	NA	NA	NA	NA	ND(0.00020)
Total PCBs	mg/L	NA	NA	NA	NA	NA	ND(0.00040)
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	NA	NA	NA	NA	NA	ND(0.0002)
Total PCBs-Dissolved	mg/L	NA	NA	NA	NA	NA	ND(0.0004)
Organochlorine Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	--	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	97 (IDW)	100 (IDW)	110 (IDW)	120 (IDW)	110 (IDW)	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA	NA
Chloride	mg/L	1,280 (IDW)	1,000 (IDW)	905 (IDW)	1,170 (IDW)	704 (IDW)	NA
Ferrous Iron	mg/L	NA	NA	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.1)	NA
Nitrite (as N)	mg/L	ND(10)	ND(0.5)	ND(5)	ND(2)	0.32	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA
pH	S.U.	8	8.1	7.6	7.6	8 J	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	59.2	174 J	132	45.8	91.5	NA
Sulfide	mg/L	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	2,700 (IDW)	2,100 (IDW)	2,100 (IDW)	2,600 (IDW)	1,400 (IDW)	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA	NA	NA
Gases							
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill MW-129WT 06/12/96	Green Point Landfill MW-129WT 05/23/00	Green Point Landfill X-1A 07/29/95	Green Point Landfill X-1A 06/10/96	Green Point Landfill X-1A 03/08/97	Green Point Landfill X-1A 05/23/00
PCBs							
Aroclor-1242	mg/L	ND(0.00020)	NA	ND(0.00040)	ND(0.00020)	NA	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020)	NA	0.0019	ND(0.00020)	NA	0.00013 J
Aroclor-1254	mg/L	ND(0.00020)	NA	0.0011	ND(0.00020)	NA	ND(0.00020)
Total PCBs	mg/L	ND(0.00040)	NA	0.0030 (IDW)	ND(0.00040)	NA	0.00013 J
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	NA	ND(0.0002)	ND(0.0002)	NA	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	NA	ND(0.0004)	ND(0.0004)	NA	ND(0.0004)
Organochlorine Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	--	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	1,400	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA	NA	NA	160 (IDW)
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	35	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA	NA
Chloride	mg/L	NA	NA	NA	NA	NA	505 (IDW)
Ferrous Iron	mg/L	0.18	1.6	NA	2.07	16	18
Hardness	mg/L	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	9.6	NA	NA	NA	18 (IDW)
Manganese	mg/L	NA	0.65	NA	NA	NA	0.84
Nitrate (as N)	mg/L	ND(0.08)	NA	NA	ND(0.08)	ND(0.08)	ND(2.5)
Nitrite (as N)	mg/L	ND(0.07)	NA	NA	ND(0.07)	ND(0.07)	ND(2.5)
Nitrogen	mg/L	NA	ND(0.05)	NA	NA	NA	ND(0.05)
pH	S.U.	NA	NA	NA	NA	NA	7
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	23.1	57	NA	ND(5)	ND(5)	528 (IDW)
Sulfide	mg/L	0.28	ND(2)	NA	ND(0.2)	2.8	ND(2)
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA	NA	NA	2,300 (IDW)
Total Organic Carbon (TOC)	mg/L	18.1	37	NA	62	90.1	64
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	ND(10)	NA	NA
Gases							
Carbon Dioxide by Headspace	mg/L	203.9	178.4	NA	280.3	265.5	147.78
Dissolved Oxygen	mg/L	2.7	0.72	NA	ND(0.5)	0.14	0.27
Ethane	ng/L	NA	473	NA	NA	NA	117,414
Ethene	ng/L	NA	77	NA	NA	NA	1,989
Methane	mg/L	ND(0.2)	0.02404	NA	14.7 (FE)	19.67 (FE)	17.67 (FE)
Nitrogen	mg/L	16	15.4	NA	4.9	2.9	4.48

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-1A 06/20/01	Green Point Landfill X-1A 06/25/02	Green Point Landfill X-1A 06/17/03	Green Point Landfill X-1A 06/18/03	Green Point Landfill X-1A 05/25/04	Green Point Landfill X-1A 06/21/05
PCBs							
Aroclor-1242	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1248	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1254	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs-Dissolved	mg/L	NA	NA	NA	NA	NA	NA
Organochlorine Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	--	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	210 (IDW)	94 (IDW)	74 (IDW)	NA	73 (IDW)	59 (IDW)
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA	NA
Chloride	mg/L	893 (IDW)	714 J (IDW)	NA	593 (IDW)	473 (IDW)	419 (IDW)
Ferrous Iron	mg/L	NA	NA	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	ND(0.5)	ND(0.5)	NA	ND(0.5)	0.02 B	ND(0.1)
Nitrite (as N)	mg/L	R	ND(10)	NA	ND(0.5)	ND(0.5)	ND(0.5)
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA
pH	S.U.	7.8	7.3	NA	7.9	7.1	7
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	5.1	0.18 B	NA	95.4 J	2.5	ND(1)
Sulfide	mg/L	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	2,100 (IDW)	2,000 (IDW)	NA	1,700 (IDW)	1,400 (IDW)	1,300 (IDW)
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA	NA	NA
Gases							
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-1A 12/12/06	Green Point Landfill X-1B 07/29/95	Green Point Landfill X-1B 06/10/96	Green Point Landfill X-1B 03/09/97	Green Point Landfill X-1B 05/24/00	Green Point Landfill X-1B 06/20/01
PCBs							
Aroclor-1242	mg/L	NA	ND(0.00020)	ND(0.00020)	NA	ND(0.00020)	NA
Aroclor-1248	mg/L	NA	0.00057	0.00021	NA	0.000097 J	NA
Aroclor-1254	mg/L	NA	ND(0.00020)	ND(0.00020)	NA	ND(0.00020)	NA
Total PCBs	mg/L	NA	0.00057 (IDW)	0.00021	NA	0.000097 J	NA
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	NA	ND(0.0002)	ND(0.0002)	NA	ND(0.0002)	NA
Total PCBs-Dissolved	mg/L	NA	ND(0.0004)	ND(0.0004)	NA	ND(0.0004)	NA
Organochlorine Pesticides							
None Detected	- -	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	- -	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	- -	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	37 (IDW)	NA	NA	NA	24 (IDW)	59 (IDW)
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA	NA
Chloride	mg/L	153	NA	NA	NA	1,440 (IDW)	1,280 (IDW)
Ferrous Iron	mg/L	NA	NA	0.38	0.87	6.1	NA
Hardness	mg/L	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	21 (IDW)	NA
Manganese	mg/L	NA	NA	NA	NA	0.79	NA
Nitrate (as N)	mg/L	ND(0.1)	NA	ND(0.08)	ND(0.08)	ND(10)	ND(0.5)
Nitrite (as N)	mg/L	ND(0.1)	NA	ND(0.07)	ND(0.07)	ND(10)	R
Nitrogen	mg/L	NA	NA	NA	NA	ND(0.05)	NA
pH	S.U.	7.3 J	NA	NA	NA	6.6	7.4
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	ND(1)	NA	ND(5)	ND(5)	51.2	31.7
Sulfide	mg/L	NA	NA	ND(0.2)	2	ND(2)	NA
Total Dissolved Solids (TDS)	mg/L	890 (IDW)	NA	NA	NA	2,600 (IDW)	3,000 (IDW)
Total Organic Carbon (TOC)	mg/L	NA	NA	105	105	120	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA	NA	NA
Gases							
Carbon Dioxide by Headspace	mg/L	NA	NA	367	334.9	298.8	NA
Dissolved Oxygen	mg/L	NA	NA	ND(0.5)	0.24	0.35	NA
Ethane	ng/L	NA	NA	NA	NA	50,554	NA
Ethene	ng/L	NA	NA	NA	NA	70	NA
Methane	mg/L	NA	NA	16 (FE)	14.25 (FE)	7.6 (FE)	NA
Nitrogen	mg/L	NA	NA	2.7	4.8	5.04	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-1B 06/25/02	Green Point Landfill X-1B 06/17/03	Green Point Landfill X-1B 06/18/03	Green Point Landfill X-1B 05/25/04	Green Point Landfill X-1B 06/21/05	Green Point Landfill X-1B 12/12/06
PCBs							
Aroclor-1242	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1248	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1254	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs-Dissolved	mg/L	NA	NA	NA	NA	NA	NA
Organochlorine Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	--	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	31 (IDW)	7	NA	22 (IDW)	46 (IDW)	2.5
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA	NA
Chloride	mg/L	1,410 J (IDW)	NA	817 (IDW)	571 (IDW)	1,200 (IDW)	1,100 (IDW)
Ferrous Iron	mg/L	NA	NA	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	ND(0.5)	NA	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.1)
Nitrite (as N)	mg/L	0.53 B	NA	ND(0.5)	ND(0.5)	ND(1)	0.36 J
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA
pH	S.U.	6.9	NA	7.8	7.2	6.8	7 J
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	30.2	NA	217 J	277 (IDW)	13.2	0.84 J
Sulfide	mg/L	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	3,700 (IDW)	NA	2,500 (IDW)	2,200 (IDW)	2,900 (IDW)	3,500 (IDW)
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA	NA	NA
Gases							
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-1CR 07/29/95	Green Point Landfill X-1CR 06/10/96	Green Point Landfill X-1CR 03/11/97	Green Point Landfill X-1CR 05/24/00	Green Point Landfill X-1CR2 07/29/95	Green Point Landfill X-1CR2 06/11/96
PCBs							
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020)	NA	NA	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	0.00031 JN	0.00040	NA	NA	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020)	NA	NA	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	0.00031 J	0.00040	NA	NA	ND(0.00040)	ND(0.00040)
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	NA	NA	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)	NA	NA	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides							
None Detected	--	--	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	--	--	NA	NA	NA	NA	NA
Herbicides							
None Detected	--	--	NA	NA	NA	NA	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	ND(4.9)	NA	NA	NA	NA	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA	NA
Chloride	mg/L	NA	NA	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	ND(0.02)	19	34	NA	ND(0.02)
Hardness	mg/L	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	31 (IDW)	NA	NA
Manganese	mg/L	NA	NA	NA	1.8	NA	NA
Nitrate (as N)	mg/L	NA	ND(0.08)	0.09	NA	NA	ND(0.08)
Nitrite (as N)	mg/L	NA	ND(0.07)	ND(0.07)	NA	NA	ND(0.07)
Nitrogen	mg/L	NA	NA	NA	ND(0.05)	NA	NA
pH	S.U.	NA	NA	NA	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	160	6.1	540 (IDW)	NA	282 (IDW)
Sulfide	mg/L	ND(0.5)	ND(0.2)	1	ND(2)	NA	ND(0.2)
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	3	45.9	39	NA	ND(2)
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA	NA	NA
Gases							
Carbon Dioxide by Headspace	mg/L	NA	287.4	250.8	142.9	NA	ND(2.2)
Dissolved Oxygen	mg/L	NA	ND(0.5)	0.3	0.34	NA	3.7
Ethane	ng/L	NA	NA	NA	33,585	NA	NA
Ethene	ng/L	NA	NA	NA	169	NA	NA
Methane	mg/L	NA	19.2 (FE)	17.15 (FE)	16.2 (FE)	NA	ND(0.2)
Nitrogen	mg/L	NA	1.9	3	4.02	NA	20

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-1CR2 03/12/97	Green Point Landfill X-1CR2 05/24/00	Green Point Landfill X-1CR2 06/26/02	Green Point Landfill X-1CR2 06/19/03	Green Point Landfill X-1CR2 05/27/04	Green Point Landfill X-1CR2 06/21/05
PCBs							
Aroclor-1242	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1248	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1254	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs-Dissolved	mg/L	NA	NA	NA	NA	NA	NA
Organochlorine Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	--	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	0.6	0.4	0.1 B	ND(0.2)
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA	NA
Chloride	mg/L	NA	NA	162	163	170	160
Ferrous Iron	mg/L	ND(0.02)	5.6	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	32 (IDW)	NA	NA	NA	NA
Manganese	mg/L	NA	0.83	NA	NA	NA	NA
Nitrate (as N)	mg/L	0.47	NA	0.046 B	0.13 B	0.43 B	0.45
Nitrite (as N)	mg/L	ND(0.07)	NA	ND(0.5)	0.17 BJ	ND(0.5)	ND(0.1)
Nitrogen	mg/L	NA	0.21	NA	NA	NA	NA
pH	S.U.	NA	NA	8	7.9	7.8	7.8
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	300 (IDW)	240	251 (IDW)	260 J (IDW)	260 (IDW)	245
Sulfide	mg/L	1	ND(2)	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	800 (IDW)	380	750 (IDW)	780 (IDW)
Total Organic Carbon (TOC)	mg/L	4.7	20	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA	NA	NA
Gases							
Carbon Dioxide by Headspace	mg/L	2.2	5.62	NA	NA	NA	NA
Dissolved Oxygen	mg/L	2.5	1.62	NA	NA	NA	NA
Ethane	ng/L	NA	23	NA	NA	NA	NA
Ethene	ng/L	NA	13	NA	NA	NA	NA
Methane	mg/L	ND(0.07)	0.003569	NA	NA	NA	NA
Nitrogen	mg/L	19.3	16.8	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-1CR2 12/12/06	Green Point Landfill X-2D 12/13/06	Green Point Landfill X-3AR 06/20/95	Green Point Landfill X-3AR 07/14/95	Green Point Landfill X-3AR 07/31/95	Green Point Landfill X-3AR 06/06/96
PCBs							
Aroclor-1242	mg/L	NA	ND(0.00020)	ND(0.00020)	NA	ND(0.00020)	NA
Aroclor-1248	mg/L	NA	ND(0.00020)	ND(0.00020)	NA	ND(0.00020)	NA
Aroclor-1254	mg/L	NA	ND(0.00020)	ND(0.00020)	NA	ND(0.00020)	NA
Total PCBs	mg/L	NA	ND(0.00020)	ND(0.00040)	NA	ND(0.00040)	NA
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	NA	NA	ND(0.0002)	NA	ND(0.0002)	NA
Total PCBs-Dissolved	mg/L	NA	NA	ND(0.0004)	NA	ND(0.0004)	NA
Organochlorine Pesticides							
None Detected	--	NA	NA	NA	NA	--	NA
Organophosphate Pesticides							
None Detected	--	NA	NA	NA	NA	--	NA
Herbicides							
None Detected	--	NA	NA	NA	NA	--	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	ND(9.4)	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	ND(0.2)	0.6	NA	380 J (IDW)	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	54	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	1,100	NA	NA
Chloride	mg/L	152	555 (IDW)	NA	9,900 (IDW)	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA	NA	342
Hardness	mg/L	NA	NA	NA	ND(5)	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	0.15	ND(0.1)	NA	NA	NA	ND(0.08)
Nitrite (as N)	mg/L	0.033 J	ND(0.1)	NA	NA	NA	ND(0.07)
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA
pH	S.U.	7.8 J	7 J	NA	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA	0.14	NA	NA
Phosphorus	mg/L	NA	NA	NA	ND(0.1)	NA	NA
Sulfate	mg/L	230	ND(1)	NA	NA	NA	ND(5)
Sulfide	mg/L	NA	NA	NA	NA	ND(0.5)	ND(0.2)
Total Dissolved Solids (TDS)	mg/L	760 (IDW)	1,700 (IDW)	NA	26,000 (IDW)	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA	NA	154
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	470	NA	NA
Gases							
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA	NA	477.5
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	ND(0.5)
Ethane	ng/L	NA	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA	NA	7.1 (FE)
Nitrogen	mg/L	NA	NA	NA	NA	NA	4.9

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-3BR 06/20/95	Green Point Landfill X-3BR 07/15/95	Green Point Landfill X-3BR 06/05/96	Green Point Landfill X-3CAUG 06/20/95	Green Point Landfill X-3CAUG 07/14/95	Green Point Landfill X-3CAUG 06/05/96
PCBs							
Aroclor-1242	mg/L	ND(0.00020)	NA	NA	ND(0.00020)	NA	NA
Aroclor-1248	mg/L	ND(0.00020)	NA	NA	ND(0.00020)	NA	NA
Aroclor-1254	mg/L	ND(0.00020)	NA	NA	ND(0.00020)	NA	NA
Total PCBs	mg/L	ND(0.00040)	NA	NA	ND(0.00040)	NA	NA
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	NA	NA	ND(0.0002)	NA	NA
Total PCBs-Dissolved	mg/L	ND(0.0004)	NA	NA	ND(0.0004)	NA	NA
Organochlorine Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	--	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	ND(1)	NA	NA	2.8 J [ND(1 J)]	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	11	NA	NA	3 J [3 J]	NA
Chemical Oxygen Demand (COD)	mg/L	NA	23	NA	NA	55 [38]	NA
Chloride	mg/L	NA	230	NA	NA	390 (IDW) [330 (IDW)]	NA
Ferrous Iron	mg/L	NA	NA	7	NA	NA	ND(0.02)
Hardness	mg/L	NA	570	NA	NA	510 [480]	NA
Iron	mg/L	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	ND(0.08)	NA	NA	ND(0.08)
Nitrite (as N)	mg/L	NA	NA	ND(0.07)	NA	NA	ND(0.07)
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA
pH	S.U.	NA	NA	NA	NA	NA	NA
Phenolics (Total)	mg/L	NA	0.025	NA	NA	0.071 [0.035]	NA
Phosphorus	mg/L	NA	0.2	NA	NA	0.1 [ND(0.1)]	NA
Sulfate	mg/L	NA	NA	ND(5)	NA	NA	ND(5)
Sulfide	mg/L	NA	NA	ND(0.2)	NA	NA	ND(0.2)
Total Dissolved Solids (TDS)	mg/L	NA	1,000 (IDW)	NA	NA	1,000 (IDW) [1,100 (IDW)]	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	10.4	NA	NA	9.7
Total Suspended Solids (TSS)	mg/L	NA	33	NA	NA	30 [19]	NA
Gases							
Carbon Dioxide by Headspace	mg/L	NA	NA	110	NA	NA	51.7
Dissolved Oxygen	mg/L	NA	NA	0.7	NA	NA	0.5
Ethane	ng/L	NA	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA	NA
Methane	mg/L	NA	NA	9.7 (FE)	NA	NA	2.8 (FE)
Nitrogen	mg/L	NA	NA	9.3	NA	NA	10.2

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-4A 12/14/06	Green Point Landfill X-5A 06/21/95	Green Point Landfill X-5A 07/19/95	Green Point Landfill X-5A 06/06/96	Green Point Landfill X-5B 06/21/95	Green Point Landfill X-5B 07/19/95
PCBs							
Aroclor-1242	mg/L	NA	ND(0.00020)	ND(0.00020)	NA	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	NA	ND(0.00020)	ND(0.00020)	NA	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	NA	ND(0.00020)	ND(0.00020)	NA	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	NA	ND(0.00040)	ND(0.00040)	NA	ND(0.00040)	ND(0.00040)
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	NA	ND(0.0002)	ND(0.0002)	NA	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	NA	ND(0.0004)	ND(0.0004)	NA	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides							
None Detected	--	NA	NA	--	NA	NA	--
Organophosphate Pesticides							
None Detected	--	NA	NA	--	NA	NA	--
Herbicides							
None Detected	--	NA	NA	--	NA	NA	--
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	ND(1.6)	NA	NA	ND(1.9)
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	ND(0.2)	NA	ND(1)	NA	NA	4.8
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	10	NA	NA	30
Chemical Oxygen Demand (COD)	mg/L	NA	NA	180	NA	NA	680
Chloride	mg/L	18	NA	840 (IDW)	NA	NA	1,600 (IDW)
Ferrous Iron	mg/L	NA	NA	NA	2.3	NA	NA
Hardness	mg/L	NA	NA	840	NA	NA	430
Iron	mg/L	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	0.16	NA	NA	ND(0.08)	NA	NA
Nitrite (as N)	mg/L	ND(0.1)	NA	NA	ND(0.07)	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA
pH	S.U.	7.3 J	NA	NA	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	ND(0.02 J)	NA	NA	0.036
Phosphorus	mg/L	NA	NA	0.6	NA	NA	0.4
Sulfate	mg/L	33.8	NA	NA	ND(5)	NA	NA
Sulfide	mg/L	NA	NA	ND(0.5)	ND(0.2)	NA	ND(0.5)
Total Dissolved Solids (TDS)	mg/L	570 (IDW)	NA	2,400 (IDW)	NA	NA	4,500 (IDW)
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	35.5	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	56	NA	NA	ND(4)
Gases							
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	286.4	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	ND(0.5)	NA	NA
Ethane	ng/L	NA	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	16 (FE)	NA	NA
Nitrogen	mg/L	NA	NA	NA	1.4	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-5B 06/06/96	Green Point Landfill X-5CR 06/21/95	Green Point Landfill X-5CR 07/19/95	Green Point Landfill X-6A 09/26/95	Green Point Landfill X-6B 09/26/95	Green Point Landfill X-7A 06/20/95
PCBs							
Aroclor-1242	mg/L	NA	ND(0.00020)	NA	0.0038 J	0.0082 J	ND(0.00020 J)
Aroclor-1248	mg/L	NA	ND(0.00020)	NA	ND(0.0010 J)	ND(0.0010 J)	ND(0.00020 J)
Aroclor-1254	mg/L	NA	ND(0.00020)	NA	ND(0.0010 J)	ND(0.0010 J)	ND(0.00020 J)
Total PCBs	mg/L	NA	ND(0.00040)	NA	0.0038 J (GCC IDW)	0.0082 J (GCC IDW)	ND(0.00040)
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	NA	ND(0.0002)	NA	ND(0.0002)	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	NA	ND(0.0004)	NA	ND(0.0004)	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides							
None Detected	- -	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	- -	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	- -	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	1,500	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	1.7	380 (IDW)	280 (IDW)	NA
Biochemical Oxygen Demand (BOD)	mg/L	34	NA	3	130	64	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	10	2,300	3,800	NA
Chloride	mg/L	NA	NA	59	1,000 (IDW)	1,400 (IDW)	NA
Ferrous Iron	mg/L	0.84	NA	NA	NA	NA	NA
Hardness	mg/L	NA	NA	540	4,000	3,000	NA
Iron	mg/L	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	ND(0.08)	NA	NA	NA	NA	NA
Nitrite (as N)	mg/L	ND(0.07)	NA	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA
pH	S.U.	NA	NA	NA	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	ND(0.02 J)	0.11	0.13	NA
Phosphorus	mg/L	NA	NA	0.4	13	5.8	NA
Sulfate	mg/L	7.6	NA	NA	NA	NA	NA
Sulfide	mg/L	ND(0.2)	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	860 (IDW)	5,400 (IDW)	5,300 (IDW)	NA
Total Organic Carbon (TOC)	mg/L	171	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	ND(10)	NA	28	210,000	47,000	NA
Gases							
Carbon Dioxide by Headspace	mg/L	77.7	NA	NA	NA	NA	NA
Dissolved Oxygen	mg/L	ND(0.5)	NA	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA	NA
Methane	mg/L	24.5 (FE)	NA	NA	NA	NA	NA
Nitrogen	mg/L	0.8	NA	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-7A 06/12/96	Green Point Landfill X-7A 03/11/97	Green Point Landfill X-7BR 06/20/95	Green Point Landfill X-7BR 07/19/95	Green Point Landfill X-7BR 06/05/96	Green Point Landfill X-7BR 03/11/97
PCBs							
Aroclor-1242	mg/L	NA	NA	ND(0.00020)	NA	NA	NA
Aroclor-1248	mg/L	NA	NA	ND(0.00020)	NA	NA	NA
Aroclor-1254	mg/L	NA	NA	ND(0.00020)	NA	NA	NA
Total PCBs	mg/L	NA	NA	ND(0.00040)	NA	NA	NA
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	NA	NA	ND(0.0002)	NA	NA	NA
Total PCBs-Dissolved	mg/L	NA	NA	ND(0.0004)	NA	NA	NA
Organochlorine Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	--	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	2,600	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA	60 (IDW)	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	130	NA	NA	19	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	340	NA	NA
Chloride	mg/L	NA	NA	NA	7,200 (IDW)	NA	NA
Ferrous Iron	mg/L	7.2	170	NA	NA	819	140
Hardness	mg/L	NA	NA	NA	11,000	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	1.922	ND(0.08)	NA	NA	ND(0.08)	0.2
Nitrite (as N)	mg/L	ND(0.07)	ND(0.35)	NA	NA	ND(0.07)	ND(0.28)
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA
pH	S.U.	NA	NA	NA	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA	ND(0.02)	NA	NA
Phosphorus	mg/L	NA	NA	NA	ND(0.1)	NA	NA
Sulfate	mg/L	ND(5)	ND(5)	NA	NA	ND(5)	ND(5)
Sulfide	mg/L	0.97	1	NA	NA	ND(0.2)	0.2
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA	16,000 (IDW)	NA	NA
Total Organic Carbon (TOC)	mg/L	354	480	NA	NA	24.7	29.6
Total Suspended Solids (TSS)	mg/L	1,200	NA	NA	290	NA	NA
Gases							
Carbon Dioxide by Headspace	mg/L	719.1	668	NA	NA	304.8	390.1
Dissolved Oxygen	mg/L	ND(0.5)	ND(0.15)	NA	NA	ND(0.5)	0.4
Ethane	ng/L	NA	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA	NA
Methane	mg/L	7.8 (FE)	8.67 (FE)	NA	NA	15.5 (FE)	13.58 (FE)
Nitrogen	mg/L	3.5	2.1	NA	NA	4	3.8

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-7CAUG 06/21/95	Green Point Landfill X-7CAUG 07/19/95	Green Point Landfill X-7CAUG 06/05/96	Green Point Landfill X-7CAUG 03/09/97	Green Point Landfill X-7DAUG 06/20/95	Green Point Landfill X-7DAUG 07/19/95
PCBs							
Aroclor-1242	mg/L	ND(0.00020)	NA	NA	NA	ND(0.00020)	NA
Aroclor-1248	mg/L	ND(0.00020)	NA	NA	NA	ND(0.00020)	NA
Aroclor-1254	mg/L	ND(0.00020)	NA	NA	NA	ND(0.00020)	NA
Total PCBs	mg/L	ND(0.00040)	NA	NA	NA	ND(0.00040)	NA
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	NA	NA	NA	ND(0.0002)	NA
Total PCBs-Dissolved	mg/L	ND(0.0004)	NA	NA	NA	ND(0.0004)	NA
Organochlorine Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	--	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	34 (IDW)	NA	NA	NA	3
Biochemical Oxygen Demand (BOD)	mg/L	NA	15	NA	NA	NA	10
Chemical Oxygen Demand (COD)	mg/L	NA	29	NA	NA	NA	ND(10)
Chloride	mg/L	NA	220	NA	NA	NA	340 (IDW)
Ferrous Iron	mg/L	NA	NA	5.7	10.8	NA	NA
Hardness	mg/L	NA	500	NA	NA	NA	460
Iron	mg/L	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	ND(0.08)	ND(0.08)	NA	NA
Nitrite (as N)	mg/L	NA	NA	ND(0.07)	ND(0.07)	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA
pH	S.U.	NA	NA	NA	NA	NA	NA
Phenolics (Total)	mg/L	NA	ND(0.02)	NA	NA	NA	ND(0.02)
Phosphorus	mg/L	NA	0.2	NA	NA	NA	ND(0.1)
Sulfate	mg/L	NA	NA	ND(5)	ND(5)	NA	NA
Sulfide	mg/L	NA	NA	ND(0.2)	1.6	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	900 (IDW)	NA	NA	NA	1,300 (IDW)
Total Organic Carbon (TOC)	mg/L	NA	NA	8	96.4	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	8	NA	NA	NA	ND(4)
Gases							
Carbon Dioxide by Headspace	mg/L	NA	NA	108.5	109.6	NA	NA
Dissolved Oxygen	mg/L	NA	NA	ND(0.5)	0.43	NA	NA
Ethane	ng/L	NA	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA	NA
Methane	mg/L	NA	NA	15.4 (FE)	16.74 (FE)	NA	NA
Nitrogen	mg/L	NA	NA	7.6	9.1	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-7DAUG 06/05/96	Green Point Landfill X-7DAUG 03/11/97	Green Point Landfill X-9C 12/15/06	Green Point Landfill X-10A 06/13/96	Green Point Landfill X-10A 05/24/00	Green Point Landfill X-10AR2 11/27/01
PCBs							
Aroclor-1242	mg/L	NA	NA	ND(0.00020)	ND(0.00020)	NA	NA
Aroclor-1248	mg/L	NA	NA	ND(0.00020)	ND(0.00020)	NA	NA
Aroclor-1254	mg/L	NA	NA	ND(0.00020)	ND(0.00020)	NA	NA
Total PCBs	mg/L	NA	NA	ND(0.00020)	ND(0.00040)	NA	NA
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	NA	NA	NA	ND(0.0002)	NA	NA
Total PCBs-Dissolved	mg/L	NA	NA	NA	ND(0.0004)	NA	NA
Organochlorine Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	--	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	300	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	2.9	NA	ND(0.2)	1.7
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	2	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA	NA
Chloride	mg/L	NA	NA	130	NA	58.7	47.1
Ferrous Iron	mg/L	ND(0.02)	6.8 [6.4]	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	ND(0.08)	0.17 [0.098]	ND(0.1)	NA	ND(0.5)	ND(0.1 J)
Nitrite (as N)	mg/L	ND(0.07)	ND(0.07) [ND(0.07)]	0.11	NA	ND(0.5)	ND(0.1 J)
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA
pH	S.U.	NA	NA	7.1 J	NA	7	8.1
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	5.7	ND(5) [ND(5)]	ND(1)	NA	430 (IDW)	638 (IDW)
Sulfide	mg/L	ND(0.2)	1 [0.6]	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	690 (IDW)	NA	910 (IDW)	1,300 (IDW)
Total Organic Carbon (TOC)	mg/L	8.9	8 [8.3]	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	18	NA	NA
Gases							
Carbon Dioxide by Headspace	mg/L	44.3	48.1 [50.7]	NA	NA	NA	NA
Dissolved Oxygen	mg/L	ND(0.5)	0.53 [0.75]	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA	NA
Methane	mg/L	3.7 (FE)	3.97 (FE) [4.43 (FE)]	NA	NA	NA	NA
Nitrogen	mg/L	8.2	9.9 [11.7]	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-10AR2 06/26/02	Green Point Landfill X-10AR2 06/19/03	Green Point Landfill X-10AR2 05/25/04	Green Point Landfill X-10AR2 06/22/05	Green Point Landfill X-10AR2 12/13/06	Green Point Landfill X-10BR 07/24/95
PCBs							
Aroclor-1242	mg/L	NA	NA	NA	NA	NA	ND(0.00020 J)
Aroclor-1248	mg/L	NA	NA	NA	NA	NA	ND(0.00020 J)
Aroclor-1254	mg/L	NA	NA	NA	NA	NA	ND(0.00020 J)
Total PCBs	mg/L	NA	NA	NA	NA	NA	ND(0.00040)
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	NA	NA	NA	NA	NA	ND(0.0002)
Total PCBs-Dissolved	mg/L	NA	NA	NA	NA	NA	ND(0.0004)
Organochlorine Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	--	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	1.1	1	0.4	0.3	ND(0.2) [ND(0.3)]	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA	NA
Chloride	mg/L	20.9	19.7	5	3.4	ND(1.7) [ND(1.6)]	NA
Ferrous Iron	mg/L	NA	NA	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.1) [ND(0.1)]	NA
Nitrite (as N)	mg/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.1) [ND(0.1)]	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA
pH	S.U.	7.9	8.1	7.1	7.1	7.1 J [7.1 J]	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	492 (IDW)	398 J (IDW)	279 (IDW)	189	180 [179]	NA
Sulfide	mg/L	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	1,100 (IDW)	1,100 (IDW)	820 (IDW)	690 (IDW)	750 (IDW) [740 (IDW)]	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA	NA	NA
Gases							
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-10BR 12/15/06	Green Point Landfill X-10CR 07/24/95	Green Point Landfill X-10CR 12/13/06	Green Point Landfill X-10D 12/14/06	Green Point Landfill X-10DAUG 07/24/95	Green Point Landfill X-16A 07/27/95
PCBs							
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020 J)	ND(0.00020)	ND(0.00020)	ND(0.00020 J)	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020 J)	ND(0.00020)	ND(0.00020)	ND(0.00020 J)	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020 J)	ND(0.00020)	ND(0.00020)	ND(0.00020 J)	ND(0.00020)
Total PCBs	mg/L	ND(0.00020)	ND(0.00040)	ND(0.00020)	ND(0.00020)	ND(0.00040)	ND(0.00040)
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	NA	ND(0.0002 J)	NA	NA	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	NA	ND(0.0004)	NA	NA	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides							
None Detected	- -	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	- -	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	- -	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	6	NA	21 (IDW)	4.3 [4.5]	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA	NA
Chloride	mg/L	505 (IDW)	NA	864 (IDW)	505 (IDW) [508 (IDW)]	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	ND(0.1)	NA	ND(0.1)	ND(0.1) [ND(0.1)]	NA	NA
Nitrite (as N)	mg/L	0.3	NA	0.34	0.32 [0.24]	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA
pH	S.U.	6.8 J	NA	7.1 J	6.9 J [6.8 J]	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	ND(1)	NA	4	ND(1) [ND(1)]	NA	NA
Sulfide	mg/L	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	1,600 (IDW)	NA	2,400 (IDW)	1,500 (IDW) [1,700 (IDW)]	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA	NA	NA
Gases							
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-16A 05/24/00	Green Point Landfill X-16A 06/19/01	Green Point Landfill X-16A 06/25/02	Green Point Landfill X-16A 06/17/03	Green Point Landfill X-16A 06/18/03	Green Point Landfill X-16A 05/26/04
PCBs							
Aroclor-1242	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1248	mg/L	NA	NA	NA	NA	NA	NA
Aroclor-1254	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs-Dissolved	mg/L	NA	NA	NA	NA	NA	NA
Organochlorine Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	--	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	0.4	0.8	0.7	0.7	NA	0.5 [0.4]
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA	NA
Chloride	mg/L	420 (IDW)	428 (IDW)	462 J (IDW)	NA	530 (IDW)	519 (IDW) [516 (IDW)]
Ferrous Iron	mg/L	NA	NA	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	ND(5)	ND(0.5)	ND(0.5)	NA	ND(0.5)	ND(0.5) [ND(0.5)]
Nitrite (as N)	mg/L	ND(5)	R	ND(0.5)	NA	ND(0.5)	ND(0.5) [ND(0.5)]
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA
pH	S.U.	6.7	7.9	7.3	NA	7.9	7.2 [7.1]
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	601 (IDW)	602 (IDW)	568 (IDW)	NA	526 J (IDW)	528 (IDW) [528 (IDW)]
Sulfide	mg/L	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	1,900 (IDW)	1,900 (IDW)	2,100 (IDW)	NA	2,000 (IDW)	1,900 (IDW) [1,900 (IDW)]
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA	NA	NA
Gases							
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-16A 06/21/05	Green Point Landfill X-16A 12/12/06	Green Point Landfill X-16B 07/28/95	Green Point Landfill X-16B 05/19/00	Green Point Landfill X-16B 06/20/01	Green Point Landfill X-16B 06/27/02
PCBs							
Aroclor-1242	mg/L	NA	NA	ND(0.00020)	NA	NA	NA
Aroclor-1248	mg/L	NA	NA	ND(0.00020)	NA	NA	NA
Aroclor-1254	mg/L	NA	NA	ND(0.00020)	NA	NA	NA
Total PCBs	mg/L	NA	NA	ND(0.00040)	NA	NA	NA
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Total PCBs-Dissolved	mg/L	NA	NA	NA	NA	NA	NA
Organochlorine Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	--	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	0.4	0.6	NA	ND(0.2)	19 (IDW)	ND(0.2)
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA	NA
Chloride	mg/L	536 (IDW)	514 (IDW)	NA	90.6 J	265 (IDW)	56.2
Ferrous Iron	mg/L	NA	NA	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	ND(0.1)	0.051 J	NA	0.16 BG	0.17 B	ND(0.5)
Nitrite (as N)	mg/L	ND(0.5)	0.26	NA	ND(1 G)	R	ND(0.5)
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA
pH	S.U.	7	7 J	NA	7.9	7.9	7.5
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	487 (IDW)	423 (IDW)	NA	229	192	216
Sulfide	mg/L	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	2,200 (IDW)	2,700 (IDW)	NA	670 (IDW)	920 (IDW)	660 (IDW) [670 (IDW)]
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA	NA	NA
Gases							
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-16B 06/17/03	Green Point Landfill X-16B 06/18/03	Green Point Landfill X-16B 05/26/04	Green Point Landfill X-16B 06/21/05	Green Point Landfill X-16B 12/12/06	Green Point Landfill X-17R 07/26/95
PCBs							
Aroclor-1242	mg/L	NA	NA	NA	NA	NA	ND(0.00021)
Aroclor-1248	mg/L	NA	NA	NA	NA	NA	ND(0.00021)
Aroclor-1254	mg/L	NA	NA	NA	NA	NA	ND(0.00021)
Total PCBs	mg/L	NA	NA	NA	NA	NA	ND(0.00042)
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	NA	NA	NA	NA	NA	ND(0.0002)
Total PCBs-Dissolved	mg/L	NA	NA	NA	NA	NA	ND(0.0008)
Organochlorine Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	--	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	ND(0.2)	NA	ND(0.2)	ND(0.2)	ND(0.2)	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA	NA
Chloride	mg/L	NA	61.5	42.3	37.3	47.3	NA
Ferrous Iron	mg/L	NA	NA	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	NA	0.23 B	0.26 B	0.35	0.43	NA
Nitrite (as N)	mg/L	NA	ND(0.5)	ND(0.5)	ND(0.1)	0.027 J	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA
pH	S.U.	NA	8.4	7.6	7.6	8 J	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	214 J	205	206	192	NA
Sulfide	mg/L	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	640 (IDW)	600 (IDW)	630 (IDW)	650 (IDW)	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA	NA	NA
Gases							
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-17R 06/04/96	Green Point Landfill X-19AR 07/28/95	Off-site South AW-1 11/14/96	Previously Proposed Type III Landfill Area MW-3A 07/27/95
PCBs					
Aroclor-1242	mg/L	ND(0.00020) [ND(0.00020)]	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020) [ND(0.00020)]	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020) [ND(0.00020)]	ND(0.00020)	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	ND(0.00040) [ND(0.00040)]	ND(0.00040)	ND(0.00040)	ND(0.00040)
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002) [ND(0.0002)]	ND(0.0002)	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004) [ND(0.0004)]	ND(0.0004)	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA
Chloride	mg/L	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA
pH	S.U.	NA	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA
Sulfide	mg/L	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA
Gases					
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-3B 07/27/95	Previously Proposed Type III Landfill Area MW-119S1 07/17/95	Previously Proposed Type III Landfill Area MW-119S2 07/17/95
PCBs				
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00021)	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00021)	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00021)	ND(0.00020)
Total PCBs	mg/L	ND(0.00040)	ND(0.00041)	ND(0.00040)
PCBs-Dissolved				
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.00021)	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.00041)	ND(0.0004)
Organochlorine Pesticides				
None Detected	--	NA	NA	NA
Organophosphate Pesticides				
None Detected	--	NA	NA	NA
Herbicides				
None Detected	--	NA	NA	NA
Dioxins/Furans				
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA
Miscellaneous				
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA
Chloride	mg/L	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA
Hardness	mg/L	NA	NA	NA
Iron	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA
pH	S.U.	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA
Sulfate	mg/L	NA	NA	NA
Sulfide	mg/L	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA
Gases				
Carbon Dioxide by Headspace	mg/L	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA
Ethane	ng/L	NA	NA	NA
Ethene	ng/L	NA	NA	NA
Methane	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-119WT 07/17/95	Previously Proposed Type III Landfill Area MW-119WT 06/10/96	Previously Proposed Type III Landfill Area MW-119WT 05/21/00
PCBs				
Aroclor-1242	mg/L	ND(0.00021)	ND(0.00020) [ND(0.00020)]	ND(0.00020)
Aroclor-1248	mg/L	0.00041	ND(0.00020) [ND(0.00020)]	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00021)	ND(0.00020) [ND(0.00020)]	ND(0.00020)
Total PCBs	mg/L	0.00041	ND(0.00040) [ND(0.00040)]	ND(0.00040)
PCBs-Dissolved				
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002) [ND(0.0002)]	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004) [ND(0.0004)]	ND(0.0004)
Organochlorine Pesticides				
None Detected	- -	NA	NA	NA
Organophosphate Pesticides				
None Detected	- -	NA	NA	NA
Herbicides				
None Detected	- -	NA	NA	NA
Dioxins/Furans				
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA
Miscellaneous				
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA
Chloride	mg/L	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA
Hardness	mg/L	NA	NA	NA
Iron	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA
pH	S.U.	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA
Sulfate	mg/L	NA	NA	NA
Sulfide	mg/L	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA
Gases				
Carbon Dioxide by Headspace	mg/L	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA
Ethane	ng/L	NA	NA	NA
Ethene	ng/L	NA	NA	NA
Methane	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-120S1 07/18/95	Previously Proposed Type III Landfill Area MW-120S2 07/18/95	Previously Proposed Type III Landfill Area MW-120WT 07/18/95
PCBs				
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020) [ND(0.00020 J)]	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020) [ND(0.00020 J)]	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020) [ND(0.00020 J)]	ND(0.00020)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040) [ND(0.00040)]	ND(0.00040)
PCBs-Dissolved				
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002) [ND(0.0002)]	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004) [ND(0.0004)]	ND(0.0004)
Organochlorine Pesticides				
None Detected	--	NA	NA	NA
Organophosphate Pesticides				
None Detected	--	NA	NA	NA
Herbicides				
None Detected	--	NA	NA	NA
Dioxins/Furans				
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA
Miscellaneous				
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA
Chloride	mg/L	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA
Hardness	mg/L	NA	NA	NA
Iron	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA
pH	S.U.	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA
Sulfate	mg/L	NA	NA	NA
Sulfide	mg/L	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA
Gases				
Carbon Dioxide by Headspace	mg/L	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA
Ethane	ng/L	NA	NA	NA
Ethene	ng/L	NA	NA	NA
Methane	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-121S1 07/18/95	Previously Proposed Type III Landfill Area MW-121S2 07/18/95	Previously Proposed Type III Landfill Area MW-121WT 07/18/95
PCBs				
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)	ND(0.00040)
PCBs-Dissolved				
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides				
None Detected	--	NA	NA	NA
Organophosphate Pesticides				
None Detected	--	NA	NA	NA
Herbicides				
None Detected	--	NA	NA	NA
Dioxins/Furans				
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA
Miscellaneous				
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA
Chloride	mg/L	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA
Hardness	mg/L	NA	NA	NA
Iron	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA
pH	S.U.	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA
Sulfate	mg/L	NA	NA	NA
Sulfide	mg/L	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA
Gases				
Carbon Dioxide by Headspace	mg/L	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA
Ethane	ng/L	NA	NA	NA
Ethene	ng/L	NA	NA	NA
Methane	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-122S1 07/18/95	Previously Proposed Type III Landfill Area MW-122S2 07/18/95	Previously Proposed Type III Landfill Area MW-122WT 07/18/95
PCBs				
Aroclor-1242	mg/L	ND(0.00020 J)	ND(0.00020 J)	ND(0.00020 J)
Aroclor-1248	mg/L	ND(0.00020 J)	ND(0.00020 J)	ND(0.00020 J)
Aroclor-1254	mg/L	ND(0.00020 J)	ND(0.00020 J)	ND(0.00020 J)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)	ND(0.00040)
PCBs-Dissolved				
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002 J)	ND(0.0002 J)	ND(0.0002 J)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides				
None Detected	--	NA	NA	NA
Organophosphate Pesticides				
None Detected	--	NA	NA	NA
Herbicides				
None Detected	--	NA	NA	NA
Dioxins/Furans				
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA
Miscellaneous				
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA
Chloride	mg/L	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA
Hardness	mg/L	NA	NA	NA
Iron	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA
pH	S.U.	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA
Sulfate	mg/L	NA	NA	NA
Sulfide	mg/L	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA
Gases				
Carbon Dioxide by Headspace	mg/L	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA
Ethane	ng/L	NA	NA	NA
Ethene	ng/L	NA	NA	NA
Methane	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-125WT 07/19/95	Previously Proposed Type III Landfill Area MW-125WT 06/04/96	Previously Proposed Type III Landfill Area TW-219S1 01/27/95
PCBs				
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)	ND(0.00040)
PCBs-Dissolved				
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides				
None Detected	--	NA	NA	NA
Organophosphate Pesticides				
None Detected	--	NA	NA	NA
Herbicides				
None Detected	--	NA	NA	NA
Dioxins/Furans				
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA
Miscellaneous				
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA
Chloride	mg/L	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA
Hardness	mg/L	NA	NA	NA
Iron	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA
pH	S.U.	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA
Sulfate	mg/L	NA	NA	NA
Sulfide	mg/L	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA
Gases				
Carbon Dioxide by Headspace	mg/L	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA
Ethane	ng/L	NA	NA	NA
Ethene	ng/L	NA	NA	NA
Methane	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-219S2 01/27/95	Previously Proposed Type III Landfill Area TW-219WT 01/26/95	Previously Proposed Type III Landfill Area TW-220S1 01/30/95
PCBs				
Aroclor-1242	mg/L	ND(0.00020 J)	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020 J)	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020 J)	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)	ND(0.00040)
PCBs-Dissolved				
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides				
None Detected	--	NA	NA	NA
Organophosphate Pesticides				
None Detected	--	NA	NA	NA
Herbicides				
None Detected	--	NA	NA	NA
Dioxins/Furans				
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA
Miscellaneous				
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA
Chloride	mg/L	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA
Hardness	mg/L	NA	NA	NA
Iron	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA
pH	S.U.	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA
Sulfate	mg/L	NA	NA	NA
Sulfide	mg/L	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA
Gases				
Carbon Dioxide by Headspace	mg/L	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA
Ethane	ng/L	NA	NA	NA
Ethene	ng/L	NA	NA	NA
Methane	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-220S2 01/30/95	Previously Proposed Type III Landfill Area TW-220S3 02/01/95	Previously Proposed Type III Landfill Area TW-220WT 01/30/95
PCBs				
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020 J)	ND(0.00020 J)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020 J)	ND(0.00020 J)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020 J)	ND(0.00020 J)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)	ND(0.00040)
PCBs-Dissolved				
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides				
None Detected	--	NA	NA	NA
Organophosphate Pesticides				
None Detected	--	NA	NA	NA
Herbicides				
None Detected	--	NA	NA	NA
Dioxins/Furans				
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA
Miscellaneous				
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA
Chloride	mg/L	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA
Hardness	mg/L	NA	NA	NA
Iron	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA
pH	S.U.	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA
Sulfate	mg/L	NA	NA	NA
Sulfide	mg/L	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA
Gases				
Carbon Dioxide by Headspace	mg/L	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA
Ethane	ng/L	NA	NA	NA
Ethene	ng/L	NA	NA	NA
Methane	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-221S1 01/31/95	Previously Proposed Type III Landfill Area TW-221S2 01/31/95	Previously Proposed Type III Landfill Area TW-221S3 02/01/95
PCBs				
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020) [ND(0.00020)]	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020) [ND(0.00020)]	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020) [ND(0.00020)]	ND(0.00020)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040) [ND(0.00040)]	ND(0.00040)
PCBs-Dissolved				
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002) [ND(0.0002)]	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004) [ND(0.0004)]	ND(0.0004)
Organochlorine Pesticides				
None Detected	- -	NA	NA	NA
Organophosphate Pesticides				
None Detected	- -	NA	NA	NA
Herbicides				
None Detected	- -	NA	NA	NA
Dioxins/Furans				
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA
Miscellaneous				
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA
Chloride	mg/L	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA
Hardness	mg/L	NA	NA	NA
Iron	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA
pH	S.U.	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA
Sulfate	mg/L	NA	NA	NA
Sulfide	mg/L	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA
Gases				
Carbon Dioxide by Headspace	mg/L	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA
Ethane	ng/L	NA	NA	NA
Ethene	ng/L	NA	NA	NA
Methane	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-221S4 02/01/95	Previously Proposed Type III Landfill Area TW-221WT 01/30/95	Previously Proposed Type III Landfill Area TW-222S1 01/31/95
PCBs				
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)	ND(0.00040)
PCBs-Dissolved				
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides				
None Detected	- -	NA	NA	NA
Organophosphate Pesticides				
None Detected	- -	NA	NA	NA
Herbicides				
None Detected	- -	NA	NA	NA
Dioxins/Furans				
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA
Miscellaneous				
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA
Chloride	mg/L	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA
Hardness	mg/L	NA	NA	NA
Iron	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA
pH	S.U.	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA
Sulfate	mg/L	NA	NA	NA
Sulfide	mg/L	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA
Gases				
Carbon Dioxide by Headspace	mg/L	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA
Ethane	ng/L	NA	NA	NA
Ethene	ng/L	NA	NA	NA
Methane	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-222S2 01/31/95	Previously Proposed Type III Landfill Area TW-222S3 01/31/95	Previously Proposed Type III Landfill Area TW-222WT 01/31/95
PCBs				
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)	ND(0.00040)
PCBs-Dissolved				
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides				
None Detected	--	NA	NA	NA
Organophosphate Pesticides				
None Detected	--	NA	NA	NA
Herbicides				
None Detected	--	NA	NA	NA
Dioxins/Furans				
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA
Miscellaneous				
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA
Chloride	mg/L	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA
Hardness	mg/L	NA	NA	NA
Iron	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA
pH	S.U.	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA
Sulfate	mg/L	NA	NA	NA
Sulfide	mg/L	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA
Gases				
Carbon Dioxide by Headspace	mg/L	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA
Ethane	ng/L	NA	NA	NA
Ethene	ng/L	NA	NA	NA
Methane	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-227WT 02/03/95	Previously Proposed Type III Landfill Area X-13AR 07/18/95	Previously Proposed Type III Landfill Area X-13B 07/18/95
PCBs				
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)	ND(0.00040)
PCBs-Dissolved				
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides				
None Detected	--	NA	NA	NA
Organophosphate Pesticides				
None Detected	--	NA	NA	NA
Herbicides				
None Detected	--	NA	NA	NA
Dioxins/Furans				
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA
Miscellaneous				
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA
Chloride	mg/L	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA
Hardness	mg/L	NA	NA	NA
Iron	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA
pH	S.U.	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA
Sulfate	mg/L	NA	NA	NA
Sulfide	mg/L	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA
Gases				
Carbon Dioxide by Headspace	mg/L	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA
Ethane	ng/L	NA	NA	NA
Ethene	ng/L	NA	NA	NA
Methane	mg/L	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area X-13CAUG 07/18/95	Previously Proposed Type III Landfill Area X-14A 07/18/95
PCBs			
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)
PCBs-Dissolved			
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides			
None Detected	--	NA	NA
Organophosphate Pesticides			
None Detected	--	NA	NA
Herbicides			
None Detected	--	NA	NA
Dioxins/Furans			
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA
Miscellaneous			
Alkalinity, Total (As CaCO3)	mg/L	NA	NA
Ammonia Nitrogen	mg/L	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA
Chloride	mg/L	NA	NA
Ferrous Iron	mg/L	NA	NA
Hardness	mg/L	NA	NA
Iron	mg/L	NA	NA
Manganese	mg/L	NA	NA
Nitrate (as N)	mg/L	NA	NA
Nitrite (as N)	mg/L	NA	NA
Nitrogen	mg/L	NA	NA
pH	S.U.	NA	NA
Phenolics (Total)	mg/L	NA	NA
Phosphorus	mg/L	NA	NA
Sulfate	mg/L	NA	NA
Sulfide	mg/L	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA
Gases			
Carbon Dioxide by Headspace	mg/L	NA	NA
Dissolved Oxygen	mg/L	NA	NA
Ethane	ng/L	NA	NA
Ethene	ng/L	NA	NA
Methane	mg/L	NA	NA
Nitrogen	mg/L	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Generic MDEQ Criteria Values					Previously Proposed Type III Landfill Area X-14B 07/18/95
		FE	GAI	GCC	IDW	IGVIA	
PCBs							
Aroclor-1242	mg/L	--	--	--	--	--	ND(0.00020)
Aroclor-1248	mg/L	--	--	--	--	--	ND(0.00020)
Aroclor-1254	mg/L	--	--	--	--	--	ND(0.00020)
Total PCBs	mg/L	{ID}	{ID}	0.0033 {J,T,AA}	0.0005 {J,T,A}	0.045 {J,T,S}	ND(0.00040)
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	--	--	--	--	--	ND(0.0002)
Total PCBs-Dissolved	mg/L	{ID}	{ID}	0.0033 {J,T,AA}	0.0005 {J,T,A}	0.045 {J,T,S}	ND(0.0004)
Organochlorine Pesticides							
None Detected	--	--	--	--	--	--	NA
Organophosphate Pesticides							
None Detected	--	--	--	--	--	--	NA
Herbicides							
None Detected	--	--	--	--	--	--	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	--	--	--	--	--	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	--	--	--	--	--	NA
Ammonia Nitrogen	mg/L	{ID}	3,500	{ID}	10 {N}	7,100	NA
Biochemical Oxygen Demand (BOD)	mg/L	--	--	--	--	--	NA
Chemical Oxygen Demand (COD)	mg/L	--	--	--	--	--	NA
Chloride	mg/L	{ID}	{ID}	{ID}	250 {E}	{NLV}	NA
Ferrous Iron	mg/L	--	--	--	--	--	NA
Hardness	mg/L	--	--	--	--	--	NA
Iron	mg/L	{ID}	{ID}	58,000 {B}	13 {B,E}	{NLV}	NA
Manganese	mg/L	{ID}	{ID}	9,100 {B}	2.1 {B,E}	{NLV}	NA
Nitrate (as N)	mg/L	{ID}	{ID}	310,000 {B,N}	10 {B,A,N}	{NLV}	NA
Nitrite (as N)	mg/L	{ID}	{ID}	{ID}	1 {B,A,N}	{NLV}	NA
Nitrogen	mg/L	--	--	--	--	--	NA
pH	S.U.	{NA}	{NA}	{NA}	{6.5 to 8.5 (E)}	{NA}	NA
Phenolics (Total)	mg/L	--	--	--	--	--	NA
Phosphorus	mg/L	{ID}	{ID}	{ID}	240	{NLV}	NA
Sulfate	mg/L	{ID}	{ID}	{ID}	250 {E}	{NLV}	NA
Sulfide	mg/L	--	--	--	--	--	NA
Total Dissolved Solids (TDS)	mg/L	{NA}	{NA}	{NA}	500 {E}	{NA}	NA
Total Organic Carbon (TOC)	mg/L	--	--	--	--	--	NA
Total Suspended Solids (TSS)	mg/L	--	--	--	--	--	NA
Gases							
Carbon Dioxide by Headspace	mg/L	--	--	--	--	--	NA
Dissolved Oxygen	mg/L	--	--	--	--	--	NA
Ethane	ng/L	--	--	--	--	--	NA
Ethene	ng/L	--	--	--	--	--	NA
Methane	mg/L	0.52 {K}	{ID}	{ID}	{ID}	{K}	NA
Nitrogen	mg/L	--	--	--	--	--	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area X-14CAUG 07/18/95	Saginaw River Area MW-183WT 08/17/00	Saginaw River Area X-4AR 07/24/95	Saginaw River Area X-4AR 06/09/96	Saginaw River Area X-4AR 03/05/97
PCBs						
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)	ND(0.00040)	ND(0.00040)	ND(0.00040)
PCBs-Dissolved						
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)	ND(0.0004)	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides						
None Detected	--	NA	NA	NA	NA	NA
Organophosphate Pesticides						
None Detected	--	NA	NA	NA	NA	NA
Herbicides						
None Detected	--	NA	NA	NA	NA	NA
Dioxins/Furans						
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA
Miscellaneous						
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA
Chloride	mg/L	NA	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA
pH	S.U.	NA	NA	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA	NA
Sulfide	mg/L	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA	NA
Gases						
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Saginaw River Area X-4CAUG 07/24/95	Saginaw River Area X-4CAUG 06/08/96	Saginaw River Area X-9AR 07/24/95	Saginaw River Area X-9AR 06/09/96	Saginaw River Area X-9AR 03/05/97	Saginaw River Area X-9AR 12/15/06
PCBs							
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020 J)	ND(0.00020)	ND(0.00020)	NA
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020 J)	ND(0.00020)	ND(0.00020)	NA
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020 J)	ND(0.00020)	ND(0.00020)	NA
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)	ND(0.00040)	ND(0.00040)	ND(0.00040)	NA
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002 J)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	NA
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)	ND(0.0004)	ND(0.0004)	ND(0.0004)	NA
Organochlorine Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	--	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA	NA
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA	NA	NA	ND(0.2)
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA	NA
Chloride	mg/L	NA	NA	NA	NA	NA	29.7
Ferrous Iron	mg/L	NA	NA	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA	NA	NA	ND(0.1)
Nitrite (as N)	mg/L	NA	NA	NA	NA	NA	ND(0.1)
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA
pH	S.U.	NA	NA	NA	NA	NA	7.2 J
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA	NA	29.2
Sulfide	mg/L	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA	NA	NA	790 (IDW)
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA	NA	NA
Gases							
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Saginaw River Area X-9BR 07/24/95	Saginaw River Area X-9BR 06/08/96	Saginaw River Area X-9BR 12/15/06	Saginaw River Area X-9CAUG 07/24/95	Saginaw River Area X-9CAUG 06/08/96	Southern Drainage Channels MW-1A 07/17/95
PCBs							
Aroclor-1242	mg/L	ND(0.00020 J)	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020) [ND(0.00020)]
Aroclor-1248	mg/L	ND(0.00020 J)	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020) [ND(0.00020)]
Aroclor-1254	mg/L	ND(0.00020 J)	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020) [ND(0.00020)]
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)	ND(0.00020)	ND(0.00040)	ND(0.00040)	ND(0.00040) [ND(0.00040)]
PCBs-Dissolved							
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	NA	ND(0.0002)	ND(0.0002)	ND(0.0002) [ND(0.0002)]
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)	NA	ND(0.0004)	ND(0.0004)	ND(0.0004) [ND(0.0004)]
Organochlorine Pesticides							
None Detected	--	NA	NA	NA	NA	NA	-- [--]
Organophosphate Pesticides							
None Detected	--	NA	NA	NA	NA	NA	-- [--]
Herbicides							
None Detected	--	NA	NA	NA	NA	NA	-- [--]
Dioxins/Furans							
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA	NA	ND(2.7) [31]
Miscellaneous							
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	5.9	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA	NA	NA
Chloride	mg/L	NA	NA	191	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	0.1	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	0.18	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA
pH	S.U.	NA	NA	7.2 J	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	ND(1)	NA	NA	NA
Sulfide	mg/L	NA	NA	NA	NA	NA	ND(0.5) [ND(0.5)]
Total Dissolved Solids (TDS)	mg/L	NA	NA	830 (IDW)	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA	NA	NA
Gases							
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-1A 06/08/96	Southern Drainage Channels MW-1B 07/15/95	Southern Drainage Channels MW-1CAUG 07/15/95	Southern Drainage Channels MW-117S1 06/20/95
PCBs					
Aroclor-1242	mg/L	NA	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	NA	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	NA	ND(0.00020)	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	NA	ND(0.00040)	ND(0.00040)	ND(0.00040)
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	NA	ND(0.0002)	ND(0.0002 J)	ND(0.0002)
Total PCBs-Dissolved	mg/L	NA	ND(0.0004)	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	ND(1.7)	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA
Chloride	mg/L	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA
pH	S.U.	NA	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA
Sulfide	mg/L	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA
Gases					
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-117S1 07/14/95	Southern Drainage Channels MW-117S1 05/19/00	Southern Drainage Channels MW-117S1 06/19/01	Southern Drainage Channels MW-117S1 06/26/02
PCBs					
Aroclor-1242	mg/L	NA	NA	NA	NA
Aroclor-1248	mg/L	NA	NA	NA	NA
Aroclor-1254	mg/L	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	NA	NA	NA	NA
Total PCBs-Dissolved	mg/L	NA	NA	NA	NA
Organochlorine Pesticides					
None Detected	- -	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	- -	NA	NA	NA	NA
Herbicides					
None Detected	- -	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	ND(1 J)	5.1	11 (IDW)	7.1
Biochemical Oxygen Demand (BOD)	mg/L	10	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	73	NA	NA	NA
Chloride	mg/L	230	284 J (IDW)	269 (IDW)	270 (IDW)
Ferrous Iron	mg/L	NA	NA	NA	NA
Hardness	mg/L	650	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Nitrate (as N)	mg/L	NA	ND(1 G)	ND(0.5)	ND(0.5)
Nitrite (as N)	mg/L	NA	ND(1 G)	R	ND(0.5)
Nitrogen	mg/L	NA	NA	NA	NA
pH	S.U.	NA	7	8	8
Phenolics (Total)	mg/L	0.025	NA	NA	NA
Phosphorus	mg/L	0.2	NA	NA	NA
Sulfate	mg/L	NA	ND(2 G)	0.26 B	0.14 B
Sulfide	mg/L	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	990 (IDW)	840 (IDW)	920 (IDW)	970 (IDW)
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	64	NA	NA	NA
Gases					
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-117S1 06/19/03	Southern Drainage Channels MW-117S1 05/27/04	Southern Drainage Channels MW-117S1 06/23/05	Southern Drainage Channels MW-117S2 06/20/95
PCBs					
Aroclor-1242	mg/L	NA	NA	NA	ND(0.00020)
Aroclor-1248	mg/L	NA	NA	NA	ND(0.00020)
Aroclor-1254	mg/L	NA	NA	NA	ND(0.00020)
Total PCBs	mg/L	NA	NA	NA	ND(0.00040)
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	NA	NA	NA	ND(0.0002)
Total PCBs-Dissolved	mg/L	NA	NA	NA	ND(0.0004)
Organochlorine Pesticides					
None Detected	- -	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	- -	NA	NA	NA	NA
Herbicides					
None Detected	- -	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	7.4	7.3	8.4 J	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA
Chloride	mg/L	264 (IDW)	275 (IDW)	270 (IDW)	NA
Ferrous Iron	mg/L	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Nitrate (as N)	mg/L	ND(0.5)	ND(0.5)	ND(0.1)	NA
Nitrite (as N)	mg/L	0.14 BJ	0.16 B	ND(0.1)	NA
Nitrogen	mg/L	NA	NA	NA	NA
pH	S.U.	8.1	7	7	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA
Sulfate	mg/L	ND(1 J)	0.44 B	ND(1)	NA
Sulfide	mg/L	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	1,000 (IDW)	1,000 (IDW)	970 J (IDW)	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA
Gases					
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-117S2 07/14/95	Southern Drainage Channels MW-117S2 12/13/06	Southern Drainage Channels MW-117WT 06/20/95	Southern Drainage Channels MW-117WT 07/14/95
PCBs					
Aroclor-1242	mg/L	NA	ND(0.00020) [ND(0.00020)]	ND(0.00020)	NA
Aroclor-1248	mg/L	NA	ND(0.00020) [ND(0.00020)]	ND(0.00020)	NA
Aroclor-1254	mg/L	NA	ND(0.00020) [ND(0.00020)]	ND(0.00020)	NA
Total PCBs	mg/L	NA	ND(0.00020) [ND(0.00020)]	ND(0.00040)	NA
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	NA	NA	ND(0.0002)	NA
Total PCBs-Dissolved	mg/L	NA	NA	ND(0.0004)	NA
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	ND(1 J)	3.9	NA	30 J (IDW)
Biochemical Oxygen Demand (BOD)	mg/L	6 J	NA	NA	29
Chemical Oxygen Demand (COD)	mg/L	ND(20)	NA	NA	520
Chloride	mg/L	320 (IDW)	368 (IDW)	NA	4,600 (IDW)
Ferrous Iron	mg/L	NA	NA	NA	NA
Hardness	mg/L	640	NA	NA	6,200
Iron	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Nitrate (as N)	mg/L	NA	ND(0.1)	NA	NA
Nitrite (as N)	mg/L	NA	ND(0.1)	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA
pH	S.U.	NA	7.5 J	NA	NA
Phenolics (Total)	mg/L	0.035	NA	NA	0.044
Phosphorus	mg/L	1.2	NA	NA	ND(0.1)
Sulfate	mg/L	NA	10.9	NA	NA
Sulfide	mg/L	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	1,100 (IDW)	1,000 (IDW)	NA	11,000 (IDW)
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	62	NA	NA	240
Gases					
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-117WT 05/19/00	Southern Drainage Channels MW-117WT 06/18/01	Southern Drainage Channels MW-117WT 06/26/02	Southern Drainage Channels MW-117WT 06/19/03
PCBs					
Aroclor-1242	mg/L	NA	NA	NA	NA
Aroclor-1248	mg/L	NA	NA	NA	NA
Aroclor-1254	mg/L	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	NA	NA	NA	NA
Total PCBs-Dissolved	mg/L	NA	NA	NA	NA
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	46 (IDW)	63 (IDW)	63 (IDW)	63 (IDW)
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA
Chloride	mg/L	4,930 J (IDW)	5,380 (IDW)	5,540 (IDW)	4,680 (IDW)
Ferrous Iron	mg/L	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Nitrate (as N)	mg/L	ND(12.5 G)	ND(0.5)	ND(1)	ND(1)
Nitrite (as N)	mg/L	ND(12.5 G)	R	ND(25)	ND(25)
Nitrogen	mg/L	NA	NA	NA	NA
pH	S.U.	6.4	7.1	7.2	7.1
Phenolics (Total)	mg/L	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA
Sulfate	mg/L	ND(25 G)	0.23 B	0.32 B	0.34 BJG
Sulfide	mg/L	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	11,000 (IDW)	13,000 (IDW)	11,000 J (IDW) [12,000 (IDW)]	13,000 (IDW)
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA
Gases					
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-117WT 12/09/04	Southern Drainage Channels MW-117WT 06/23/05	Southern Drainage Channels MW-117WT 12/13/06	Southern Drainage Channels MW-118S1 06/20/95
PCBs					
Aroclor-1242	mg/L	NA	NA	NA	ND(0.00020)
Aroclor-1248	mg/L	NA	NA	NA	ND(0.00020)
Aroclor-1254	mg/L	NA	NA	NA	ND(0.00020)
Total PCBs	mg/L	NA	NA	NA	ND(0.00040)
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	NA	NA	NA	ND(0.0002)
Total PCBs-Dissolved	mg/L	NA	NA	NA	ND(0.0004)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	65 (IDW) [69 (IDW)]	59 J (IDW)	75 (IDW)	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA
Chloride	mg/L	4,650 J (IDW) [4,420 J (IDW)]	3,970 (IDW)	3,680 (IDW)	NA
Ferrous Iron	mg/L	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Nitrate (as N)	mg/L	ND(0.1) [ND(0.1)]	ND(0.1)	0.75	NA
Nitrite (as N)	mg/L	ND(1 G) [ND(1 G)]	ND(2)	3.6 (IDW)	NA
Nitrogen	mg/L	NA	NA	NA	NA
pH	S.U.	7.2 [7.2]	6.4	6.5 J	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA
Sulfate	mg/L	0.24 B [ND(1)]	0.23 B	0.27 J	NA
Sulfide	mg/L	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	7,800 J (IDW) [7,900 J (IDW)]	9,600 J (IDW)	7,800 (IDW)	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA
Gases					
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-118S1 07/14/95	Southern Drainage Channels MW-118S1 06/11/96	Southern Drainage Channels MW-118S1 05/17/00	Southern Drainage Channels MW-118S1 06/19/01
PCBs					
Aroclor-1242	mg/L	NA	NA	NA	NA
Aroclor-1248	mg/L	NA	NA	NA	NA
Aroclor-1254	mg/L	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	NA	NA	NA	NA
Total PCBs-Dissolved	mg/L	NA	NA	NA	NA
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	4.8 J	NA	5.9 [6.2]	8.4
Biochemical Oxygen Demand (BOD)	mg/L	7	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	75	NA	NA	NA
Chloride	mg/L	260 (IDW)	NA	284 (IDW) [281 (IDW)]	272 (IDW)
Ferrous Iron	mg/L	NA	0.68	6.1	NA
Hardness	mg/L	560	NA	NA	NA
Iron	mg/L	NA	NA	5.7	NA
Manganese	mg/L	NA	NA	0.37	NA
Nitrate (as N)	mg/L	NA	ND(0.08)	ND(2 G) [ND(2 G)]	ND(0.5)
Nitrite (as N)	mg/L	NA	ND(0.07)	ND(2 G) [ND(2 G)]	R
Nitrogen	mg/L	NA	NA	ND(0.05)	NA
pH	S.U.	NA	NA	7 [7]	8
Phenolics (Total)	mg/L	ND(0.02)	NA	NA	NA
Phosphorus	mg/L	0.2	NA	NA	NA
Sulfate	mg/L	NA	ND(5)	ND(4 G) [ND(4 G)]	0.15 B
Sulfide	mg/L	NA	0.8	ND(2)	NA
Total Dissolved Solids (TDS)	mg/L	8,000 (IDW)	NA	930 (IDW) [940 (IDW)]	910 (IDW)
Total Organic Carbon (TOC)	mg/L	NA	3.2	10	NA
Total Suspended Solids (TSS)	mg/L	31	NA	NA	NA
Gases					
Carbon Dioxide by Headspace	mg/L	NA	88.9	78.44	NA
Dissolved Oxygen	mg/L	NA	0.5	0.58	NA
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	NA	11.5 (FE)	8.99 (FE)	NA
Nitrogen	mg/L	NA	10.5	9.48	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-118S1 06/27/02	Southern Drainage Channels MW-118S1 06/19/03	Southern Drainage Channels MW-118S1 12/09/04	Southern Drainage Channels MW-118S1 06/23/05
PCBs					
Aroclor-1242	mg/L	NA	NA	NA	NA
Aroclor-1248	mg/L	NA	NA	NA	NA
Aroclor-1254	mg/L	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	NA	NA	NA	NA
Total PCBs-Dissolved	mg/L	NA	NA	NA	NA
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	7.3	6.2	5.9	7.3 J
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA
Chloride	mg/L	286 (IDW)	264 (IDW)	270 J (IDW)	296 (IDW)
Ferrous Iron	mg/L	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Nitrate (as N)	mg/L	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.1)
Nitrite (as N)	mg/L	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.1)
Nitrogen	mg/L	NA	NA	NA	NA
pH	S.U.	7.1	8.1	8	7
Phenolics (Total)	mg/L	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA
Sulfate	mg/L	1.6	ND(1 J)	ND(1)	ND(1)
Sulfide	mg/L	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	1,200 (IDW) [1,200 (IDW)]	1,000 (IDW)	980 J (IDW)	520 J (IDW)
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA
Gases					
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-118S1 12/14/06	Southern Drainage Channels MW-118S2 06/20/95	Southern Drainage Channels MW-118S2 07/14/95	Southern Drainage Channels MW-118S2 06/11/96
PCBs					
Aroclor-1242	mg/L	NA	ND(0.00020) [ND(0.00020)]	NA	NA
Aroclor-1248	mg/L	NA	ND(0.00020) [ND(0.00020)]	NA	NA
Aroclor-1254	mg/L	NA	ND(0.00020) [ND(0.00020)]	NA	NA
Total PCBs	mg/L	NA	ND(0.00040) [ND(0.00040)]	NA	NA
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	NA	ND(0.0002) [ND(0.0002)]	NA	NA
Total PCBs-Dissolved	mg/L	NA	ND(0.0004) [ND(0.0004)]	NA	NA
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	8	NA	ND(1 J)	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	ND(2 J)	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	50	NA
Chloride	mg/L	290 (IDW)	NA	360 (IDW)	NA
Ferrous Iron	mg/L	NA	NA	NA	ND(0.02)
Hardness	mg/L	NA	NA	530	NA
Iron	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Nitrate (as N)	mg/L	ND(0.1)	NA	NA	ND(0.08)
Nitrite (as N)	mg/L	0.16	NA	NA	ND(0.07)
Nitrogen	mg/L	NA	NA	NA	NA
pH	S.U.	7.1 J	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	ND(0.02)	NA
Phosphorus	mg/L	NA	NA	ND(0.1)	NA
Sulfate	mg/L	ND(1)	NA	NA	30.1
Sulfide	mg/L	NA	NA	NA	ND(0.2)
Total Dissolved Solids (TDS)	mg/L	1,000 (IDW)	NA	1,200 (IDW)	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	4.2
Total Suspended Solids (TSS)	mg/L	NA	NA	36	NA
Gases					
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	67.9
Dissolved Oxygen	mg/L	NA	NA	NA	0.8
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	0.3
Nitrogen	mg/L	NA	NA	NA	14.7

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-118S2 05/18/00	Southern Drainage Channels MW-118S2 12/14/06	Southern Drainage Channels MW-118WT 06/20/95	Southern Drainage Channels MW-118WT 07/14/95
PCBs					
Aroclor-1242	mg/L	NA	ND(0.00020)	ND(0.00020)	NA
Aroclor-1248	mg/L	NA	ND(0.00020)	ND(0.00020)	NA
Aroclor-1254	mg/L	NA	ND(0.00020)	ND(0.00020)	NA
Total PCBs	mg/L	NA	ND(0.00020)	ND(0.00040)	NA
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	NA	NA	ND(0.0002)	NA
Total PCBs-Dissolved	mg/L	NA	NA	ND(0.0004)	NA
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	3	NA	10 J
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	4 J
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	530
Chloride	mg/L	NA	437 (IDW)	NA	3,700 (IDW)
Ferrous Iron	mg/L	2	NA	NA	NA
Hardness	mg/L	NA	NA	NA	7,600
Iron	mg/L	2.3	NA	NA	NA
Manganese	mg/L	0.07	NA	NA	NA
Nitrate (as N)	mg/L	NA	ND(0.1)	NA	NA
Nitrite (as N)	mg/L	NA	0.25	NA	NA
Nitrogen	mg/L	ND(0.05)	NA	NA	NA
pH	S.U.	NA	7.4 J	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA	0.025
Phosphorus	mg/L	NA	NA	NA	ND(0.1)
Sulfate	mg/L	36	47.4	NA	NA
Sulfide	mg/L	ND(2)	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	1,200 (IDW)	NA	1,400 (IDW)
Total Organic Carbon (TOC)	mg/L	11	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	220
Gases					
Carbon Dioxide by Headspace	mg/L	31.06	NA	NA	NA
Dissolved Oxygen	mg/L	2.42	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	ND(0.07)	NA	NA	NA
Nitrogen	mg/L	14.1	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-118WT 06/11/96	Southern Drainage Channels MW-118WT 05/17/00	Southern Drainage Channels MW-118WT 06/19/01	Southern Drainage Channels MW-118WT 06/27/02
PCBs					
Aroclor-1242	mg/L	NA	NA	NA	NA
Aroclor-1248	mg/L	NA	NA	NA	NA
Aroclor-1254	mg/L	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	NA	NA	NA	NA
Total PCBs-Dissolved	mg/L	NA	NA	NA	NA
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	26 (IDW)	92 (IDW) [76 (IDW)]	82 (IDW) [88 (IDW)]
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA
Chloride	mg/L	NA	16,100 (IDW)	21,800 (IDW) [18,800 (IDW)]	16,900 (IDW) [16,500 (IDW)]
Ferrous Iron	mg/L	59	240	NA	NA
Hardness	mg/L	NA	NA	NA	NA
Iron	mg/L	NA	250 (IDW)	NA	NA
Manganese	mg/L	NA	7.9 (IDW)	NA	NA
Nitrate (as N)	mg/L	ND(0.08)	ND(50 G)	ND(50) [ND(0.5)]	ND(2.5) [ND(2.5)]
Nitrite (as N)	mg/L	ND(0.07)	ND(50 G)	R [R]	ND(2.5) [ND(2.5)]
Nitrogen	mg/L	NA	ND(0.05)	NA	NA
pH	S.U.	NA	6.2	6.9 [7]	6.8 [6.3]
Phenolics (Total)	mg/L	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA
Sulfate	mg/L	ND(5)	ND(100 G)	ND(100) [0.63 B]	0.59 B [0.56 B]
Sulfide	mg/L	0.39	ND(2)	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	37,000 (IDW)	34,000 (IDW) [36,000 (IDW)]	42,000 (IDW) [41,000 (IDW)]
Total Organic Carbon (TOC)	mg/L	16.9	81	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA
Gases					
Carbon Dioxide by Headspace	mg/L	302.8	353.7	NA	NA
Dissolved Oxygen	mg/L	ND(0.5)	0.21	NA	NA
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	19.7 (FE)	16 (FE)	NA	NA
Nitrogen	mg/L	4.6	2.37	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-118WT 06/19/03	Southern Drainage Channels MW-118WT 05/27/04	Southern Drainage Channels MW-118WT 06/23/05	Southern Drainage Channels MW-118WT 12/14/06
PCBs					
Aroclor-1242	mg/L	NA	NA	NA	NA
Aroclor-1248	mg/L	NA	NA	NA	NA
Aroclor-1254	mg/L	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	NA	NA	NA	NA
Total PCBs-Dissolved	mg/L	NA	NA	NA	NA
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	66 (IDW) [65 (IDW)]	66 (IDW)	47 J (IDW)	42 (IDW)
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA
Chloride	mg/L	9,740 (IDW) [9,470 (IDW)]	7,580 (IDW)	4,670 (IDW)	2,370 (IDW)
Ferrous Iron	mg/L	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Nitrate (as N)	mg/L	ND(2) [ND(2)]	ND(1)	ND(0.1)	ND(0.1)
Nitrite (as N)	mg/L	ND(50) [ND(50)]	ND(25)	ND(2)	1.9 (IDW)
Nitrogen	mg/L	NA	NA	NA	NA
pH	S.U.	7.7 [7]	6.4	6.4	6.6 J
Phenolics (Total)	mg/L	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA
Sulfate	mg/L	0.7 BJG [1.2 BJG]	ND(2)	5	25.3
Sulfide	mg/L	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	23,000 (IDW) [24,000 (IDW)]	15,000 (IDW)	12,000 J (IDW)	6,800 (IDW)
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA
Gases					
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels TW-216S1 05/10/95	Southern Drainage Channels TW-216S2 05/11/95	Southern Drainage Channels TW-216WT 05/10/95	Southern Drainage Channels TW-217S1 05/10/95
PCBs					
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020) [ND(0.00020)]	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020) [ND(0.00020)]	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020) [ND(0.00020)]	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040) [ND(0.00040)]	ND(0.00040)	ND(0.00040)
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002) [ND(0.0002)]	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004) [ND(0.0004)]	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA
Chloride	mg/L	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA
pH	S.U.	NA	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA
Sulfide	mg/L	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA
Gases					
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels TW-217S2 05/10/95	Southern Drainage Channels TW-217WT 05/09/95	Southern Drainage Channels TW-218S1 05/09/95	Southern Drainage Channels TW-218S2 05/09/95
PCBs					
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020)	ND(0.00020)	ND(0.00020)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)	ND(0.00050)	ND(0.00040)
PCBs-Dissolved					
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA	NA	NA
Miscellaneous					
Alkalinity, Total (As CaCO3)	mg/L	NA	NA	NA	NA
Ammonia Nitrogen	mg/L	NA	NA	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA	NA	NA
Chloride	mg/L	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA
Hardness	mg/L	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Nitrate (as N)	mg/L	NA	NA	NA	NA
Nitrite (as N)	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA
pH	S.U.	NA	NA	NA	NA
Phenolics (Total)	mg/L	NA	NA	NA	NA
Phosphorus	mg/L	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA
Sulfide	mg/L	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA	NA	NA
Gases					
Carbon Dioxide by Headspace	mg/L	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA
Ethane	ng/L	NA	NA	NA	NA
Ethene	ng/L	NA	NA	NA	NA
Methane	mg/L	NA	NA	NA	NA
Nitrogen	mg/L	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 3. Herbicides, Pesticides, Dioxinx/Furans, and Miscellaneous Analytes Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels TW-218S3 05/09/95	Southern Drainage Channels TW-218WT 05/09/95
PCBs			
Aroclor-1242	mg/L	ND(0.00020)	ND(0.00020 J)
Aroclor-1248	mg/L	ND(0.00020)	ND(0.00020 J)
Aroclor-1254	mg/L	ND(0.00020)	ND(0.00020 J)
Total PCBs	mg/L	ND(0.00040)	ND(0.00040)
PCBs-Dissolved			
Aroclor-1248 (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)
Total PCBs-Dissolved	mg/L	ND(0.0004)	ND(0.0004)
Organochlorine Pesticides			
None Detected	--	NA	NA
Organophosphate Pesticides			
None Detected	--	NA	NA
Herbicides			
None Detected	--	NA	NA
Dioxins/Furans			
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/L	NA	NA
Miscellaneous			
Alkalinity, Total (As CaCO3)	mg/L	NA	NA
Ammonia Nitrogen	mg/L	NA	NA
Biochemical Oxygen Demand (BOD)	mg/L	NA	NA
Chemical Oxygen Demand (COD)	mg/L	NA	NA
Chloride	mg/L	NA	NA
Ferrous Iron	mg/L	NA	NA
Hardness	mg/L	NA	NA
Iron	mg/L	NA	NA
Manganese	mg/L	NA	NA
Nitrate (as N)	mg/L	NA	NA
Nitrite (as N)	mg/L	NA	NA
Nitrogen	mg/L	NA	NA
pH	S.U.	NA	NA
Phenolics (Total)	mg/L	NA	NA
Phosphorus	mg/L	NA	NA
Sulfate	mg/L	NA	NA
Sulfide	mg/L	NA	NA
Total Dissolved Solids (TDS)	mg/L	NA	NA
Total Organic Carbon (TOC)	mg/L	NA	NA
Total Suspended Solids (TSS)	mg/L	NA	NA
Gases			
Carbon Dioxide by Headspace	mg/L	NA	NA
Dissolved Oxygen	mg/L	NA	NA
Ethane	ng/L	NA	NA
Ethene	ng/L	NA	NA
Methane	mg/L	NA	NA
Nitrogen	mg/L	NA	NA

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Generic MDEQ Criteria Values					Central Type III Landfill X-2A 07/15/95	Central Type III Landfill X-2A 05/19/00	Central Type III Landfill X-2A 06/18/01	Central Type III Landfill X-2A 06/26/02
		FE	GAI	GCC	IDW	IGVIA				
Inorganics										
Aluminum	mg/L	{ID}	{ID}	64,000 {B}	0.24 {B,V}	{NLV}	NA	NA	NA	NA
Arsenic	mg/L	{ID}	{ID}	4.3	0.01 {A}	{NLV}	NA	NA	NA	NA
Barium	mg/L	{ID}	{ID}	14,000 {B}	2 {B,A}	{NLV}	NA	NA	NA	NA
Cadmium	mg/L	{ID}	{ID}	190 {B}	0.005 {B,A}	{NLV}	NA	NA	NA	NA
Calcium	mg/L	--	--	--	--	--	NA	NA	NA	NA
Chromium Total	mg/L	{ID}	{ID}	460	0.1 {A}	{NLV}	NA	NA	NA	NA
Copper	mg/L	{ID}	{ID}	7,400 {B}	1 {B,E}	{NLV}	NA	NA	NA	NA
Cyanide (total)	mg/L	{ID}	{ID}	57 {P,R}	0.2 {P,R,A}	{NLV}	ND(0.00500)	NA	NA	NA
Iron	mg/L	{ID}	{ID}	58,000 {B}	13 {B,E}	{NLV}	NA	NA	NA	NA
Lead	mg/L	{ID}	{ID}	{ID}	0.006 {B,L}	{NLV}	NA	NA	NA	NA
Magnesium	mg/L	{ID}	{ID}	1,000,000 {B,D}	1,100 {B}	{NLV}	NA	NA	NA	NA
Manganese	mg/L	{ID}	{ID}	9,100 {B}	2.1 {B,E}	{NLV}	NA	NA	NA	NA
Mercury	mg/L	{ID}	{ID}	0.056 {B,Z,S}	0.002 {A,B,Z}	0.056 {B,Z,S}	NA	NA	ND(0.000200 J)	NA
Nickel	mg/L	{ID}	{ID}	74,000 {B}	0.1 {B,A}	{NLV}	NA	NA	NA	NA
Potassium	mg/L	--	--	--	--	--	NA	NA	NA	NA
Selenium	mg/L	{ID}	{ID}	970 {B}	0.05 {B,A}	{NLV}	NA	NA	NA	NA
Sodium	mg/L	{ID}	{ID}	1,000,000 {D}	350	{NLV}	NA	NA	NA	NA
Thallium	mg/L	{ID}	{ID}	13 {B}	0.002 {B,A}	{NLV}	NA	NA	NA	NA
Vanadium	mg/L	{ID}	{ID}	970	0.062	{NLV}	NA	NA	NA	NA
Zinc	mg/L	{ID}	{ID}	110,000 {B}	20 {B,E}	{NLV}	NA	NA	NA	NA
Inorganics-Dissolved										
Aluminum (Dissolved)	mg/L	{ID}	{ID}	64,000 {B}	0.24 {B,V}	{NLV}	0.111	ND(0.1)	ND(0.1)	ND(0.1)
Antimony (Dissolved)	mg/L	{ID}	{ID}	68	0.006 {A}	{NLV}	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	{ID}	{ID}	4.3	0.01 {A}	{NLV}	ND(0.001)	0.0034 B	ND(0.01)	0.0022 B
Barium (Dissolved)	mg/L	{ID}	{ID}	14,000 {B}	2 {B,A}	{NLV}	0.365	0.41	0.432	0.358
Beryllium (Dissolved)	mg/L	{ID}	{ID}	290	0.004 {A}	{NLV}	ND(0.005)	ND(0.004)	ND(0.004)	ND(0.004)
Cadmium (Dissolved)	mg/L	{ID}	{ID}	190 {B}	0.005 {B,A}	{NLV}	ND(0.0002)	ND(0.001)	ND(0.001)	ND(0.001)
Calcium (Dissolved)	mg/L	--	--	--	--	--	76.4	98.2	103	83.8
Chromium Total (Dissolved)	mg/L	{ID}	{ID}	460	0.1 {A}	{NLV}	ND(0.05)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt (Dissolved)	mg/L	{ID}	{ID}	2,400	0.1	{NLV}	ND(0.05)	ND(0.04)	0.0013 B	0.00083 B
Copper (Dissolved)	mg/L	{ID}	{ID}	7,400 {B}	1 {B,E}	{NLV}	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	{ID}	{ID}	57 {P,R}	0.2 {P,R,A}	{NLV}	NA	ND(0.005)	ND(0.005)	0.003 B
Iron (Dissolved)	mg/L	{ID}	{ID}	58,000 {B}	13 {B,E}	{NLV}	0.254 J	0.429	0.606	0.577
Lead (Dissolved)	mg/L	{ID}	{ID}	{ID}	0.006 {B,L}	{NLV}	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	{ID}	{ID}	1,000,000 {B,D}	1,100 {B}	{NLV}	23.3	40.4	43.5	34.6
Manganese (Dissolved)	mg/L	{ID}	{ID}	9,100 {B}	2.1 {B,E}	{NLV}	0.517	0.569	0.625	0.518
Mercury (Dissolved)	mg/L	{ID}	{ID}	0.056 {B,Z,S}	0.002 {A,B,Z}	0.056 {B,Z,S}	ND(0.0002)	ND(0.0002)	NA	ND(0.0002 J)
Nickel (Dissolved)	mg/L	{ID}	{ID}	74,000 {B}	0.1 {B,A}	{NLV}	ND(0.05)	0.0134 B	0.0108 B	0.0094 B
Potassium (Dissolved)	mg/L	--	--	--	--	--	19.9	33.5	35.5 J	33.3 J
Selenium (Dissolved)	mg/L	{ID}	{ID}	970 {B}	0.05 {B,A}	{NLV}	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	{ID}	{ID}	1,500 {B}	0.098 {B}	{NLV}	ND(0.0005)	ND(0.005)	ND(0.005)	ND(0.005)
Sodium (Dissolved)	mg/L	{ID}	{ID}	1,000,000 {D}	350	{NLV}	275	378 (IDW)	429 (IDW)	426 (IDW)
Thallium (Dissolved)	mg/L	{ID}	{ID}	13 {B}	0.002 {B,A}	{NLV}	ND(0.002 J)	0.0053 B (IDW)	0.0059 B (IDW)	ND(0.01 J)
Vanadium (Dissolved)	mg/L	{ID}	{ID}	970	0.062	{NLV}	ND(0.02)	ND(0.05)	ND(0.05)	ND(0.05)
Zinc (Dissolved)	mg/L	{ID}	{ID}	110,000 {B}	20 {B,E}	{NLV}	R	0.0546	0.0127 B	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Central Type III Landfill X-2A 06/17/03	Central Type III Landfill X-2A 06/18/03	Central Type III Landfill X-2A 05/25/04	Central Type III Landfill X-2A 06/22/05	Central Type III Landfill X-2A 12/12/06	Central Type III Landfill X-2B 07/15/95
Inorganics							
Aluminum	mg/L	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	ND(0.00500)
Iron	mg/L	NA	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA	NA
Inorganics-Dissolved							
Aluminum (Dissolved)	mg/L	NA	ND(0.1)	ND(0.1)	ND(0.2)	ND(0.2)	ND(0.1)
Antimony (Dissolved)	mg/L	NA	ND(0.005)	ND(0.005)	ND(0.002)	ND(0.002)	ND(0.005)
Arsenic (Dissolved)	mg/L	NA	ND(0.01)	0.0027 B	0.008	ND(0.005)	0.0019
Barium (Dissolved)	mg/L	NA	0.376	0.336	0.22 J	0.236	ND(0.2)
Beryllium (Dissolved)	mg/L	NA	ND(0.004)	ND(0.004)	ND(0.001)	ND(0.001)	ND(0.005)
Cadmium (Dissolved)	mg/L	NA	ND(0.001)	ND(0.001)	ND(0.0005)	ND(0.001)	ND(0.0002)
Calcium (Dissolved)	mg/L	NA	92.8	84.9	220 J	51.3	94.1
Chromium Total (Dissolved)	mg/L	NA	ND(0.005)	ND(0.005)	ND(0.002)	ND(0.005)	ND(0.05)
Cobalt (Dissolved)	mg/L	NA	ND(0.04)	0.0027 B	0.00052 B	0.0027 J	ND(0.05)
Copper (Dissolved)	mg/L	NA	ND(0.025)	ND(0.025)	ND(0.002)	ND(0.002)	ND(0.025)
Cyanide (Dissolved)	mg/L	0.002 B	NA	ND(0.005)	ND(0.01)	ND(0.01)	NA
Iron (Dissolved)	mg/L	NA	ND(0.1)	0.555	12.2	0.296	5.84 J
Lead (Dissolved)	mg/L	NA	ND(0.003)	ND(0.003)	ND(0.001)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	NA	33.6	27.1	52.7	13.7	23.4
Manganese (Dissolved)	mg/L	NA	0.579	0.48	0.991	0.289	0.322
Mercury (Dissolved)	mg/L	NA	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)
Nickel (Dissolved)	mg/L	NA	0.0069 B	0.0083 B	0.0053	ND(0.02)	ND(0.05)
Potassium (Dissolved)	mg/L	NA	39.2	35.4	2.09 B	28.6	ND(5)
Selenium (Dissolved)	mg/L	NA	ND(0.005)	ND(0.005)	0.0163	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	NA	ND(0.005)	ND(0.005)	ND(0.0005)	R	ND(0.0005)
Sodium (Dissolved)	mg/L	NA	411 (IDW)	366 (IDW)	131	274	183
Thallium (Dissolved)	mg/L	NA	ND(0.01)	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.002)
Vanadium (Dissolved)	mg/L	NA	ND(0.05)	ND(0.05)	ND(0.005)	ND(0.004)	ND(0.02)
Zinc (Dissolved)	mg/L	NA	0.074	ND(0.02)	0.0091 BJ	0.0124 J	R

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Central Type III Landfill X-2B 12/12/06	Central Type III Landfill X-2C 07/15/95	Central Type III Landfill X-2C 12/12/06	Central Type III Landfill X-2DAUG 07/15/95	Drum Remediation/Wetland Area MW-123S1 07/18/95
Inorganics						
Aluminum	mg/L	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	ND(0.00500)	NA	ND(0.00500)	ND(0.00500)
Iron	mg/L	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA
Inorganics-Dissolved						
Aluminum (Dissolved)	mg/L	ND(0.2)	ND(0.1)	ND(0.2)	ND(0.1)	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.002)	ND(0.005)	ND(0.002)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	ND(0.005)	0.0125 (IDW)	0.0138 (IDW)	0.0014	0.0056
Barium (Dissolved)	mg/L	0.238	0.227	0.284	0.23	ND(0.2)
Beryllium (Dissolved)	mg/L	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.005)	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.001)	ND(0.0002)	ND(0.001)	0.0003	ND(0.0002)
Calcium (Dissolved)	mg/L	150	208	172	190	142
Chromium Total (Dissolved)	mg/L	ND(0.005)	ND(0.05)	ND(0.005)	ND(0.05)	ND(0.05)
Cobalt (Dissolved)	mg/L	0.0035 J	ND(0.05)	0.0014 J	ND(0.05)	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.002)	ND(0.025)	ND(0.002)	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	ND(0.01)	NA	ND(0.01)	NA	NA
Iron (Dissolved)	mg/L	10.9	15.7 J (IDW)	18.2 (IDW)	10.9 J	7.34
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	36.8	51.2	44.7	47.5	42.5
Manganese (Dissolved)	mg/L	0.538	0.891	0.814	0.767	0.361
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.02)	ND(0.05)	ND(0.02)	ND(0.05)	ND(0.05)
Potassium (Dissolved)	mg/L	1.3	ND(5)	2.53	7.04	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	R	ND(0.0005)	R	ND(0.0005)	ND(0.0005)
Sodium (Dissolved)	mg/L	325	218	244	230	36
Thallium (Dissolved)	mg/L	ND(0.001)	ND(0.002 J)	ND(0.001)	ND(0.002 J)	ND(0.002 J)
Vanadium (Dissolved)	mg/L	ND(0.004)	ND(0.02)	ND(0.004)	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	0.0698	R	ND(0.02)	ND(0.02)	R

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area MW-123WT 07/18/95	Drum Remediation/Wetland Area MW-124S1 07/19/95	Drum Remediation/Wetland Area MW-124S1 06/03/96	Drum Remediation/Wetland Area MW-124WT 07/19/95
Inorganics					
Aluminum	mg/L	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500)	ND(0.00500)	NA	ND(0.00500)
Iron	mg/L	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA
Inorganics-Dissolved					
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.0058	0.0036	ND(0.005)	ND(0.001)
Barium (Dissolved)	mg/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0005)	0.0004
Calcium (Dissolved)	mg/L	187	104	88.6	124
Chromium Total (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	ND(0.005)	NA
Iron (Dissolved)	mg/L	9.88	1.77	1.34 J	ND(0.1)
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	0.0059
Magnesium (Dissolved)	mg/L	41.3	32.9	31.8	22.3
Manganese (Dissolved)	mg/L	0.361	0.33	0.241	0.438
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Potassium (Dissolved)	mg/L	ND(5)	ND(5)	ND(5)	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005 J)	ND(0.0005)
Sodium (Dissolved)	mg/L	25.2	27.4	30.2	ND(5)
Thallium (Dissolved)	mg/L	ND(0.002 J)	ND(0.002 J)	ND(0.002 J)	ND(0.002 J)
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	R	R	ND(0.02)	R

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area MW-124WT 06/03/96	Drum Remediation/Wetland Area MW-126WT 07/30/95	Drum Remediation/Wetland Area MW-126WT 06/06/96	Drum Remediation/Wetland Area MW-127S1 07/26/95
Inorganics					
Aluminum	mg/L	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	ND(0.00500)	NA	ND(0.00500)
Iron	mg/L	NA	NA	0.426	NA
Lead	mg/L	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	0.630	NA
Mercury	mg/L	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA
Inorganics-Dissolved					
Aluminum (Dissolved)	mg/L	ND(0.1)	NA	ND(0.1)	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	ND(0.005)	0.0053	ND(0.005)	0.0155 (DW)
Barium (Dissolved)	mg/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.0005)	ND(0.0002 J)	ND(0.0005)	ND(0.0002 J)
Calcium (Dissolved)	mg/L	114	NA	174	148
Chromium Total (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	ND(0.005)	NA	ND(0.005 J)	NA
Iron (Dissolved)	mg/L	0.1 J	NA	0.206	9.69
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	19.8	NA	55.4	44.7
Manganese (Dissolved)	mg/L	0.0569	NA	0.737	0.232
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Potassium (Dissolved)	mg/L	ND(5)	NA	ND(5)	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005 J)	ND(0.0005)	ND(0.0005)	ND(0.0005)
Sodium (Dissolved)	mg/L	ND(5)	NA	55.4	64.8
Thallium (Dissolved)	mg/L	ND(0.002 J)	ND(0.002 J)	ND(0.002 J)	ND(0.002 J)
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area MW-127WT 07/26/95	Drum Remediation/Wetland Area TW-223S1 02/01/95	Drum Remediation/Wetland Area TW-223S2 02/01/95	Drum Remediation/Wetland Area TW-223WT 02/01/95
Inorganics					
Aluminum	mg/L	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500)	ND(0.00500 J)	ND(0.00500)	ND(0.00500)
Iron	mg/L	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA
Inorganics-Dissolved					
Aluminum (Dissolved)	mg/L	ND(0.1)	0.311 (IDW)	0.113	0.137
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.0114 (IDW)	0.0036 J	0.0064	0.0106 (IDW)
Barium (Dissolved)	mg/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.0002 J)	ND(0.0002)	ND(0.0002)	ND(0.0002)
Calcium (Dissolved)	mg/L	153	125	112	114
Chromium Total (Dissolved)	mg/L	ND(0.05)	ND(0.05 J)	ND(0.05)	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA	NA
Iron (Dissolved)	mg/L	14.5 (IDW)	10	5.94	1.88
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	31.3	34.5	35.1 J	20.6 J
Manganese (Dissolved)	mg/L	0.327	0.592	0.216	0.671
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002 J)	ND(0.0002 J)
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Potassium (Dissolved)	mg/L	ND(5)	ND(5)	ND(5)	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
Sodium (Dissolved)	mg/L	19.7	93.6	106 J	13.6 J
Thallium (Dissolved)	mg/L	ND(0.002 J)	ND(0.002 JW)	ND(0.002 JW)	ND(0.002 J)
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	ND(0.02)	0.32	0.711	0.402

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area TW-224S1 02/02/95	Drum Remediation/Wetland Area TW-224WT 02/02/95	Drum Remediation/Wetland Area TW-225S1 02/03/95	Drum Remediation/Wetland Area TW-225WT 02/02/95
Inorganics					
Aluminum	mg/L	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500 J)	ND(0.00500)	ND(0.00500 J)	ND(0.00500)
Iron	mg/L	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA
Inorganics-Dissolved					
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.0055 J	0.0067	ND(0.001 J)	ND(0.001)
Barium (Dissolved)	mg/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)
Calcium (Dissolved)	mg/L	137	141	162	147
Chromium Total (Dissolved)	mg/L	ND(0.05 J)	ND(0.05)	ND(0.05 J)	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA	NA
Iron (Dissolved)	mg/L	2.3	ND(0.1)	0.128	0.252
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	32.1	28.9 J	40.1	30.6 J
Manganese (Dissolved)	mg/L	0.327	0.478	0.54	0.819
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002 J)	ND(0.0002)	ND(0.0002 J)
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Potassium (Dissolved)	mg/L	ND(5)	ND(5)	ND(5)	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
Sodium (Dissolved)	mg/L	18.6	31.2 J	43.6	51.1 J
Thallium (Dissolved)	mg/L	ND(0.002 J)	ND(0.002)	ND(0.002 J)	ND(0.002 JW)
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	1.3	0.024	1.27	0.027

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area TW-226S1 02/02/95	Drum Remediation/Wetland Area TWW-1 01/25/97	Drum Remediation/Wetland Area TWW-1 05/21/00	Drum Remediation/Wetland Area TWW-2 01/23/97
Inorganics					
Aluminum	mg/L	NA	NA	ND(0.100)	NA
Arsenic	mg/L	NA	NA	ND(0.0100)	NA
Barium	mg/L	NA	NA	0.146	NA
Cadmium	mg/L	NA	NA	ND(0.00100)	NA
Calcium	mg/L	NA	NA	249	NA
Chromium Total	mg/L	NA	NA	ND(0.00500)	NA
Copper	mg/L	NA	NA	ND(0.0250)	NA
Cyanide (total)	mg/L	ND(0.00500 J)	NA	NA	NA
Iron	mg/L	NA	NA	ND(0.100)	NA
Lead	mg/L	NA	NA	ND(0.00300)	NA
Magnesium	mg/L	NA	NA	84.4	NA
Manganese	mg/L	NA	NA	1.58	NA
Mercury	mg/L	NA	NA	ND(0.000200)	NA
Nickel	mg/L	NA	NA	ND(0.0400)	NA
Potassium	mg/L	NA	NA	2.02 BJ	NA
Selenium	mg/L	NA	NA	ND(0.00500)	NA
Sodium	mg/L	NA	NA	839 (IDW)	NA
Thallium	mg/L	NA	NA	0.00760 B (IDW)	NA
Vanadium	mg/L	NA	NA	ND(0.0200)	NA
Zinc	mg/L	NA	NA	ND(0.0200)	NA
Inorganics-Dissolved					
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1) [ND(0.1)]
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	0.0021 B	ND(0.005) [ND(0.005)]
Arsenic (Dissolved)	mg/L	ND(0.001 J)	ND(0.005)	ND(0.01)	ND(0.005) [ND(0.005)]
Barium (Dissolved)	mg/L	ND(0.2)	ND(0.2 L)	0.145	ND(0.2) [0.203]
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.004)	ND(0.005) [ND(0.005)]
Cadmium (Dissolved)	mg/L	ND(0.0002)	ND(0.0005)	ND(0.001)	ND(0.0005) [0.00058]
Calcium (Dissolved)	mg/L	85.9	318	251	492 [472]
Chromium Total (Dissolved)	mg/L	ND(0.05 J)	ND(0.05)	ND(0.005)	ND(0.05) [ND(0.05)]
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.01)	ND(0.05) [ND(0.05)]
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025) [ND(0.025)]
Cyanide (Dissolved)	mg/L	NA	ND(0.01)	NA	NA
Iron (Dissolved)	mg/L	ND(0.1)	0.11	ND(0.127)	3.83 [5.27]
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003) [ND(0.003)]
Magnesium (Dissolved)	mg/L	17.6	104	85.1	137 [142]
Manganese (Dissolved)	mg/L	0.174	2.11 (IDW)	1.61	0.501 [0.646]
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002) [ND(0.0002)]
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.04)	ND(0.05) [ND(0.05)]
Potassium (Dissolved)	mg/L	ND(5)	ND(5 L)	2.21 BJ	ND(5 L) [ND(5)]
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]
Silver (Dissolved)	mg/L	ND(0.0005)	ND(0.0005)	ND(0.005)	ND(0.0005) [ND(0.0005)]
Sodium (Dissolved)	mg/L	ND(5)	858 (IDW)	845 (IDW)	271 [245]
Thallium (Dissolved)	mg/L	ND(0.002 J)	ND(0.02 G)	0.0063 B (IDW)	0.02 GWa (IDW) [0.01 GWa (IDW)]
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02) [ND(0.02)]
Zinc (Dissolved)	mg/L	0.024	0.166	ND(0.02)	ND(0.02) [ND(0.02)]

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area TWW-2 01/25/97	Drum Remediation/Wetland Area TWW-2 05/21/00	Drum Remediation/Wetland Area X-11AR 07/26/95	Drum Remediation/Wetland Area X-12AR 07/26/95
Inorganics					
Aluminum	mg/L	NA	ND(0.100) [ND(0.100)]	NA	NA
Arsenic	mg/L	NA	ND(0.0100) [ND(0.0100)]	NA	NA
Barium	mg/L	NA	0.230 [0.241]	NA	NA
Cadmium	mg/L	NA	ND(0.00100) [ND(0.00100)]	NA	NA
Calcium	mg/L	NA	465 [487]	NA	NA
Chromium Total	mg/L	NA	ND(0.00500) [ND(0.00500)]	NA	NA
Copper	mg/L	NA	ND(0.0250) [ND(0.0250)]	NA	NA
Cyanide (total)	mg/L	NA	NA	ND(0.00500)	ND(0.00500)
Iron	mg/L	NA	6.72 [6.99]	NA	NA
Lead	mg/L	NA	ND(0.00300) [ND(0.00300)]	NA	NA
Magnesium	mg/L	NA	141 [148]	NA	NA
Manganese	mg/L	NA	0.688 [0.703]	NA	NA
Mercury	mg/L	NA	ND(0.000200) [ND(0.000200)]	NA	NA
Nickel	mg/L	NA	ND(0.0400) [ND(0.0400)]	NA	NA
Potassium	mg/L	NA	2.95 BJ [2.96 BJ]	NA	NA
Selenium	mg/L	NA	ND(0.00500) [ND(0.00500)]	NA	NA
Sodium	mg/L	NA	240 [237]	NA	NA
Thallium	mg/L	NA	0.00940 B (IDW) [0.00760 B (IDW)]	NA	NA
Vanadium	mg/L	NA	ND(0.0200) [ND(0.0200)]	NA	NA
Zinc	mg/L	NA	ND(0.0200) [ND(0.0200)]	NA	NA
Inorganics-Dissolved					
Aluminum (Dissolved)	mg/L	NA	ND(0.1) [ND(0.1)]	0.1	ND(0.1)
Antimony (Dissolved)	mg/L	NA	ND(0.005) [ND(0.005)]	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	NA	ND(0.01) [ND(0.01)]	0.0011	0.0029
Barium (Dissolved)	mg/L	NA	0.226 [0.222]	0.488	ND(0.2)
Beryllium (Dissolved)	mg/L	NA	ND(0.004) [ND(0.004)]	ND(0.005)	ND(0.005)
Cadmium (Dissolved)	mg/L	NA	ND(0.001) [ND(0.001)]	ND(0.0002 J)	ND(0.0002 J)
Calcium (Dissolved)	mg/L	NA	465 [465]	648	148
Chromium Total (Dissolved)	mg/L	NA	ND(0.005) [ND(0.005)]	ND(0.05)	ND(0.05)
Cobalt (Dissolved)	mg/L	NA	ND(0.01) [ND(0.01)]	ND(0.05)	ND(0.05)
Copper (Dissolved)	mg/L	NA	ND(0.025) [ND(0.025)]	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	ND(0.01) [ND(0.01)]	NA	NA	NA
Iron (Dissolved)	mg/L	NA	6.29 [5.97]	R	R
Lead (Dissolved)	mg/L	NA	ND(0.003) [ND(0.003)]	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	NA	140 [140]	178	27
Manganese (Dissolved)	mg/L	NA	0.689 [0.677]	1.23	0.415
Mercury (Dissolved)	mg/L	NA	ND(0.0002) [ND(0.0002)]	ND(0.0002)	ND(0.0002)
Nickel (Dissolved)	mg/L	NA	ND(0.04) [ND(0.04)]	ND(0.05)	ND(0.05)
Potassium (Dissolved)	mg/L	NA	3.1 BJ [3.03 BJ]	ND(5)	ND(5)
Selenium (Dissolved)	mg/L	NA	ND(0.005) [ND(0.005)]	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	NA	ND(0.005) [ND(0.005)]	ND(0.0005)	ND(0.0005)
Sodium (Dissolved)	mg/L	NA	242 [230]	166	18.5
Thallium (Dissolved)	mg/L	NA	0.0084 B (IDW) [0.009 B (IDW)]	ND(0.002 J)	ND(0.002 J)
Vanadium (Dissolved)	mg/L	NA	ND(0.02) [ND(0.02)]	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	NA	ND(0.02) [ND(0.02)]	ND(0.02)	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area X-12B 07/26/95	Drum Remediation/Wetland Area X-12CAUG 07/26/95	Drum Remediation/Wetland Area X-15AR 07/19/95	Drum Remediation/Wetland Area X-15BR 07/19/95
Inorganics					
Aluminum	mg/L	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Iron	mg/L	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA
Inorganics-Dissolved					
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.0023	0.0102 (IDW)	0.0017	0.0025
Barium (Dissolved)	mg/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.0002 J)	ND(0.0002 J)	ND(0.0002)	0.00029
Calcium (Dissolved)	mg/L	78	159	131	91.2
Chromium Total (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA	NA
Iron (Dissolved)	mg/L	1.03	6.49	0.114	ND(0.1)
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	28	48.4	44.5	40.6
Manganese (Dissolved)	mg/L	0.218	0.313	0.071	0.181
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Potassium (Dissolved)	mg/L	ND(5)	ND(5)	ND(5)	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0025 *)
Sodium (Dissolved)	mg/L	52	67.7	22.9	120
Thallium (Dissolved)	mg/L	ND(0.002 J)	ND(0.002 J)	ND(0.002 J)	ND(0.002 J)
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	0.027	ND(0.02)	R	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Drum Remediation/Wetland Area X-20 07/25/95	Eastern Property Extension MW-2A 07/27/95	Eastern Property Extension MW-2B 07/27/95	Eastern Property Extension MW-2CAUG 07/27/95	Green Point Landfill MW-117SI 12/13/06
Inorganics						
Aluminum	mg/L	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)	NA
Iron	mg/L	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA
Inorganics-Dissolved						
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.002)
Arsenic (Dissolved)	mg/L	0.0158 (IDW)	ND(0.001 J)	0.0014	ND(0.001)	ND(0.005)
Barium (Dissolved)	mg/L	0.224	ND(0.2)	ND(0.2)	0.259	2.01 (IDW)
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.001)
Cadmium (Dissolved)	mg/L	ND(0.0002 J)	ND(0.0002 J)	ND(0.0002 J)	ND(0.0002 J)	ND(0.001)
Calcium (Dissolved)	mg/L	364	81.5	98.7	119	152
Chromium Total (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.005)
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.007)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	0.00084 J
Cyanide (Dissolved)	mg/L	NA	NA	NA	NA	ND(0.01)
Iron (Dissolved)	mg/L	18.4 (IDW)	7.26	1.38	3.87	8.98
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	128	19.2	36	34.4	47.6
Manganese (Dissolved)	mg/L	0.734	0.421	0.123	0.143	0.329
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.02)
Potassium (Dissolved)	mg/L	ND(5)	ND(5)	ND(5)	ND(5)	2.41
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	R
Sodium (Dissolved)	mg/L	171	48.5	270	207	118
Thallium (Dissolved)	mg/L	ND(0.002 J)	ND(0.002)	ND(0.002 J)	ND(0.002)	ND(0.001)
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.004)
Zinc (Dissolved)	mg/L	0.041	ND(0.02)	0.063	ND(0.02)	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill MW-128S1 07/26/95	Green Point Landfill MW-128S1 03/12/97	Green Point Landfill MW-128S1 05/19/00	Green Point Landfill MW-128S1 06/20/01	Green Point Landfill MW-128S1 06/26/02	Green Point Landfill MW-128S1 06/18/03	Green Point Landfill MW-128S1 05/25/04
Inorganics								
Aluminum	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	0.00830	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	25.6 (IDW)	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	0.390	NA	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	ND(0.000200 J)	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganics-Dissolved								
Aluminum (Dissolved)	mg/L	0.502 (IDW)	NA	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	NA	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.0173 (IDW)	NA	0.0181 (IDW)	0.019 (IDW)	0.0226 (IDW)	0.0025 B	0.0069 B
Barium (Dissolved)	mg/L	0.936	NA	0.82	0.791	0.727	0.354	0.405
Beryllium (Dissolved)	mg/L	ND(0.005)	NA	ND(0.004)	ND(0.004)	ND(0.004)	ND(0.004)	ND(0.004)
Cadmium (Dissolved)	mg/L	ND(0.0002 J)	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Calcium (Dissolved)	mg/L	442	NA	398	367	365	304	281
Chromium Total (Dissolved)	mg/L	ND(0.05)	NA	0.0042 B	0.0019 B	0.0026 B	ND(0.005)	ND(0.005)
Cobalt (Dissolved)	mg/L	ND(0.05)	NA	0.0043 B	0.0046 B	0.005 B	ND(0.04)	0.0024 B
Copper (Dissolved)	mg/L	ND(0.025)	NA	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Iron (Dissolved)	mg/L	31.9 (IDW)	27.6 (IDW)	22 (IDW)	20.4 (IDW)	22.9 (IDW)	ND(0.1)	3.46
Lead (Dissolved)	mg/L	ND(0.003)	NA	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	170	NA	145	136	138	ND(8.3)	43.2
Manganese (Dissolved)	mg/L	0.437	0.38	0.339	0.377	0.342	ND(0.02)	0.189
Mercury (Dissolved)	mg/L	ND(0.0002)	NA	ND(0.0002)	NA	ND(0.0002 J)	ND(0.0002)	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.05)	NA	0.0256 B	0.024 B	0.0193 B	0.0247 B	0.0184 B
Potassium (Dissolved)	mg/L	ND(5)	NA	7.75	8.76 J	5.9 J	17.7	10.1
Selenium (Dissolved)	mg/L	ND(0.005)	NA	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005)	NA	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Sodium (Dissolved)	mg/L	582 (IDW)	NA	515 (IDW)	528 (IDW)	498 (IDW)	373 (IDW)	349
Thallium (Dissolved)	mg/L	ND(0.008 J*)	NA	0.0062 B (IDW)	0.0061 B (IDW)	0.0065 BJ (IDW)	ND(0.01)	ND(0.01)
Vanadium (Dissolved)	mg/L	ND(0.02)	NA	ND(0.05)	0.0033 B	0.0031 B	ND(0.05)	ND(0.05)
Zinc (Dissolved)	mg/L	0.024	NA	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill MW-128S1 06/22/05	Green Point Landfill MW-128SI 12/12/06	Green Point Landfill MW-128WT 07/26/95	Green Point Landfill MW-128WT 03/12/97	Green Point Landfill MW-128WT 05/19/00	Green Point Landfill MW-128WT 06/20/01	Green Point Landfill MW-128WT 06/26/02
Inorganics								
Aluminum	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	0.00880	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	26.3 (IDW)	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	0.890	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA	NA	ND(0.000200 J)	NA
Nickel	mg/L	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganics-Dissolved								
Aluminum (Dissolved)	mg/L	ND(0.2) [ND(0.2)]	ND(0.2)	0.448 (IDW)	NA	ND(0.1)	ND(0.1)	ND(0.1)
Antimony (Dissolved)	mg/L	0.00038 B [0.00022 B]	ND(0.002)	ND(0.005)	NA	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.0142 (IDW) [0.0181 (IDW)]	0.0056	0.0037	NA	0.0051 B	0.0059 B	0.0058 B
Barium (Dissolved)	mg/L	0.316 J [0.362 J]	0.368	0.628	NA	0.142	0.219	0.244
Beryllium (Dissolved)	mg/L	ND(0.001) [ND(0.001)]	ND(0.001)	ND(0.005)	NA	ND(0.004)	ND(0.004)	ND(0.004)
Cadmium (Dissolved)	mg/L	ND(0.0005) [ND(0.0005)]	ND(0.001)	ND(0.0002 J)	NA	ND(0.001)	ND(0.001)	ND(0.001)
Calcium (Dissolved)	mg/L	381 J [355 J]	329	360	NA	217	186	152
Chromium Total (Dissolved)	mg/L	ND(0.002) [ND(0.002)]	ND(0.005)	ND(0.05)	NA	0.0017 B	0.002 B	0.0027 B
Cobalt (Dissolved)	mg/L	0.0019 [0.0022]	0.0028 J	ND(0.05)	NA	0.0017 B	0.0075 B	0.0093 B
Copper (Dissolved)	mg/L	0.00076 BJ [0.00086 BJ]	0.00092 J	ND(0.025)	NA	ND(0.025)	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	ND(0.01) [ND(0.01)]	ND(0.01)	NA	NA	ND(0.005)	ND(0.005)	0.0021 B
Iron (Dissolved)	mg/L	1.33 [1.45]	0.284	24.5 (IDW)	30 (IDW)	20.1 (IDW)	19.4 (IDW)	14.9 (IDW)
Lead (Dissolved)	mg/L	ND(0.001) [ND(0.001)]	ND(0.003)	ND(0.003)	NA	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	12.1 [11.4]	8.96	115	NA	54.6	61.5	68.3
Manganese (Dissolved)	mg/L	0.025 [0.0277]	0.0164	0.918	0.93	2.17 (IDW)	1.52	0.828
Mercury (Dissolved)	mg/L	ND(0.0002) [ND(0.0002)]	ND(0.0002)	ND(0.0002)	NA	ND(0.0002)	NA	ND(0.0002 J)
Nickel (Dissolved)	mg/L	0.0293 [0.0312]	0.0255	ND(0.05)	NA	0.0145 B	0.0258 B	0.0316 B
Potassium (Dissolved)	mg/L	12 [11.2]	9.15	5.42	NA	33.9	63.9 J	89.2 J
Selenium (Dissolved)	mg/L	0.0391 [0.0523 (IDW)]	ND(0.005)	ND(0.005)	NA	ND(0.005)	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	0.00014 B [0.000047 B]	R	ND(0.0005)	NA	ND(0.005)	ND(0.005)	ND(0.005)
Sodium (Dissolved)	mg/L	424 (IDW) [398 (IDW)]	423 (IDW)	720 (IDW)	NA	331	509 (IDW)	556 (IDW)
Thallium (Dissolved)	mg/L	ND(0.001) [ND(0.001)]	ND(0.001)	ND(0.008 J*)	NA	0.0069 B (IDW)	ND(0.01)	ND(0.01 J)
Vanadium (Dissolved)	mg/L	0.0011 B [0.001 B]	ND(0.004)	ND(0.02)	NA	ND(0.05)	ND(0.05)	ND(0.05)
Zinc (Dissolved)	mg/L	0.0126 J [0.014 J]	0.0072 J	0.031	NA	ND(0.02)	ND(0.02)	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill MW-128WT 06/18/03	Green Point Landfill MW-128WT 05/25/04	Green Point Landfill MW-128WT 06/22/05	Green Point Landfill MW-128WT 12/13/06	Green Point Landfill MW-129WT 07/28/95	Green Point Landfill MW-129WT 06/12/96	Green Point Landfill MW-129WT 05/23/00
Inorganics								
Aluminum	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	NA	ND(0.00500)	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA	7.97	NA
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	0.770	NA
Mercury	mg/L	NA	NA	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganics-Dissolved								
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.1)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)	NA
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	0.00016 B	ND(0.002)	ND(0.005)	ND(0.005)	NA
Arsenic (Dissolved)	mg/L	0.0037 B	0.0038 B	0.0164 (IDW)	ND(0.005)	0.0223 (IDW)	0.0073	NA
Barium (Dissolved)	mg/L	0.223	0.188	0.19 J	0.128	ND(0.2)	ND(0.2)	NA
Beryllium (Dissolved)	mg/L	ND(0.004)	ND(0.004)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.005)	NA
Cadmium (Dissolved)	mg/L	0.00035 B	ND(0.001)	0.00015 B	ND(0.001)	ND(0.0002 J)	ND(0.0005)	NA
Calcium (Dissolved)	mg/L	169	124	123 J	53.5	225	195	NA
Chromium Total (Dissolved)	mg/L	0.0024 B	ND(0.005)	0.0032	ND(0.005)	ND(0.05)	ND(0.05)	NA
Cobalt (Dissolved)	mg/L	0.0078 B	0.008 B	0.0083	0.006 J	ND(0.05)	ND(0.05)	NA
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	0.00069 BJ	0.00053 J	ND(0.025)	ND(0.025)	NA
Cyanide (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.01)	0.0037 J	NA	ND(0.005)	NA
Iron (Dissolved)	mg/L	16.7 (IDW)	10.9	8.58	4.31	4.21	2.96 J	2.1
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.001)	ND(0.003)	ND(0.003)	ND(0.003)	NA
Magnesium (Dissolved)	mg/L	80.9	65.8	88.9	63.9	66.9	46.3	NA
Manganese (Dissolved)	mg/L	0.76	0.388	0.246	0.128	0.485	0.68	0.6
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002 J)	ND(0.0002)	NA
Nickel (Dissolved)	mg/L	0.0248 B	0.0265 B	0.0316	0.0278	ND(0.05)	ND(0.05)	NA
Potassium (Dissolved)	mg/L	86	93.6	137	107	ND(5)	ND(5)	NA
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	0.0472	ND(0.005)	ND(0.005)	ND(0.005)	NA
Silver (Dissolved)	mg/L	ND(0.005)	ND(0.005)	0.000079 B	R	ND(0.0005)	ND(0.0005 J)	NA
Sodium (Dissolved)	mg/L	504 (IDW)	479 (IDW)	654 (IDW)	358 (IDW)	182	229	NA
Thallium (Dissolved)	mg/L	ND(0.01)	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.002 J)	ND(0.004 J)	NA
Vanadium (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.005)	ND(0.004)	ND(0.02)	ND(0.02)	NA
Zinc (Dissolved)	mg/L	ND(0.02)	ND(0.02)	0.0091 BJ	0.0131 J	ND(0.02)	ND(0.02)	NA

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill MW-129WT 09/17/04	Green Point Landfill X-1A 07/29/95	Green Point Landfill X-1A 06/10/96	Green Point Landfill X-1A 03/08/97	Green Point Landfill X-1A 05/23/00	Green Point Landfill X-1A 06/20/01
Inorganics							
Aluminum	mg/L	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	0.0390 (IDW) [0.0380 (IDW)]	NA	NA	NA	NA	NA
Barium	mg/L	0.131 [0.129]	NA	NA	NA	NA	NA
Cadmium	mg/L	ND(0.000500) [ND(0.000500)]	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA	NA
Chromium Total	mg/L	0.000270 B [ND(0.00200)]	NA	NA	NA	NA	NA
Copper	mg/L	ND(0.00200) [ND(0.00200)]	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	ND(0.00500)	NA	NA	NA	NA
Iron	mg/L	21.5 J (IDW) [21.4 J (IDW)]	NA	31.6 (IDW)	21.0 (IDW)	NA	NA
Lead	mg/L	ND(0.00100) [ND(0.00100)]	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	1.24	0.698	NA	NA
Mercury	mg/L	ND(0.000200) [ND(0.000200)]	NA	NA	NA	NA	ND(0.000200 J)
Nickel	mg/L	0.00540 J [0.00550 J]	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA	NA
Selenium	mg/L	0.00230 [0.00120 B]	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA
Zinc	mg/L	0.00410 B [0.00450 B]	NA	NA	NA	NA	NA
Inorganics-Dissolved							
Aluminum (Dissolved)	mg/L	NA	ND(0.1)	ND(0.1)	NA	ND(0.1)	ND(0.1)
Antimony (Dissolved)	mg/L	NA	ND(0.005)	ND(0.005)	NA	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.038 (IDW) [0.037 (IDW)]	0.0036	NA	NA	0.0035 B	0.0044 B
Barium (Dissolved)	mg/L	0.132 [0.13]	0.535	0.515	NA	0.475	0.599
Beryllium (Dissolved)	mg/L	NA	ND(0.005)	NA	NA	ND(0.004)	ND(0.004)
Cadmium (Dissolved)	mg/L	ND(0.0005) [ND(0.0005)]	ND(0.0002 J)	NA	NA	ND(0.001)	ND(0.001)
Calcium (Dissolved)	mg/L	NA	175	NA	NA	168	172
Chromium Total (Dissolved)	mg/L	ND(0.002) [ND(0.002)]	ND(0.05)	NA	NA	0.0032 B	0.0054
Cobalt (Dissolved)	mg/L	NA	ND(0.05)	NA	NA	ND(0.04)	0.0049 B
Copper (Dissolved)	mg/L	ND(0.002) [ND(0.002)]	ND(0.025)	NA	NA	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA	NA	0.0045 B	0.0048 B
Iron (Dissolved)	mg/L	21.3 J (IDW) [21.3 J (IDW)]	7.12	30 J (IDW)	19.42 (IDW)	18.5 J (IDW)	16 (IDW)
Lead (Dissolved)	mg/L	ND(0.001) [ND(0.001)]	ND(0.003)	ND(0.003)	NA	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	NA	110	102	NA	111	106
Manganese (Dissolved)	mg/L	NA	0.666	1.21 J	0.6733	0.835	0.703
Mercury (Dissolved)	mg/L	ND(0.0002) [ND(0.0002)]	ND(0.0002 J)	NA	NA	ND(0.0002)	NA
Nickel (Dissolved)	mg/L	0.0055 J [0.0056 J]	ND(0.05)	ND(0.05)	NA	0.0172 B	0.0281 B
Potassium (Dissolved)	mg/L	NA	235	NA	NA	163	192 J
Selenium (Dissolved)	mg/L	0.002 [0.0014 B]	ND(0.005)	NA	NA	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005) [ND(0.0005)]	ND(0.0005)	NA	NA	ND(0.005)	ND(0.005)
Sodium (Dissolved)	mg/L	NA	580 (IDW)	389 (IDW)	NA	339	464 (IDW)
Thallium (Dissolved)	mg/L	NA	ND(0.008 J*)	NA	NA	ND(0.01)	0.0057 B (IDW)
Vanadium (Dissolved)	mg/L	NA	ND(0.02)	NA	NA	ND(0.05)	ND(0.05)
Zinc (Dissolved)	mg/L	ND(0.01) [ND(0.01)]	ND(0.02)	ND(0.02)	NA	ND(0.02)	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-1A 06/25/02	Green Point Landfill X-1A 06/17/03	Green Point Landfill X-1A 06/18/03	Green Point Landfill X-1A 05/25/04	Green Point Landfill X-1A 06/21/05	Green Point Landfill X-1A 12/12/06	Green Point Landfill X-1B 07/29/95
Inorganics								
Aluminum	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	0.00910
Iron	mg/L	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganics-Dissolved								
Aluminum (Dissolved)	mg/L	ND(0.1)	NA	ND(0.1)	ND(0.1)	ND(0.2)	ND(0.2)	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	NA	ND(0.005)	ND(0.005)	0.00012 B	ND(0.002)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.0031 B	NA	ND(0.01)	0.0027 B	0.0047	ND(0.005)	0.0031
Barium (Dissolved)	mg/L	0.304	NA	0.287	0.173	0.137	0.096 J	0.887
Beryllium (Dissolved)	mg/L	ND(0.004)	NA	ND(0.004)	ND(0.004)	ND(0.001)	ND(0.001)	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.001)	NA	0.00069 B	ND(0.001)	ND(0.0005)	ND(0.001)	0.00038 J
Calcium (Dissolved)	mg/L	138	NA	156	101	97.6	64.5	371
Chromium Total (Dissolved)	mg/L	0.0024 B	NA	ND(0.005)	ND(0.005)	ND(0.01)	ND(0.005)	ND(0.05)
Cobalt (Dissolved)	mg/L	0.0026 B	NA	ND(0.04)	0.0029 B	0.0028 BG	0.0016 J	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	NA	ND(0.025)	ND(0.025)	ND(0.002)	ND(0.002)	ND(0.025)
Cyanide (Dissolved)	mg/L	0.0035 B	ND(0.005)	NA	ND(0.005)	ND(0.01)	0.006 J	NA
Iron (Dissolved)	mg/L	14.2 (IDW)	NA	38.9 (IDW)	19.2 (IDW)	21.4 (IDW)	13.5 (IDW)	22.9 (IDW)
Lead (Dissolved)	mg/L	ND(0.003)	NA	ND(0.003)	ND(0.003)	ND(0.001)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	80.6	NA	98	56.4	49.6	32.8	124
Manganese (Dissolved)	mg/L	0.646	NA	1.09	0.705	0.693	0.529	1.03
Mercury (Dissolved)	mg/L	ND(0.0002 J)	NA	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002 J)
Nickel (Dissolved)	mg/L	0.0187 B	NA	0.0165 B	0.0137 B	0.0138	ND(0.02)	ND(0.05)
Potassium (Dissolved)	mg/L	118 J	NA	98.1	79.8	65.4 J	46.5	53.7
Selenium (Dissolved)	mg/L	ND(0.005)	NA	ND(0.005)	ND(0.005)	0.0124	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.005)	NA	ND(0.005)	ND(0.005)	ND(0.0005)	R	ND(0.0005)
Sodium (Dissolved)	mg/L	353 (IDW)	NA	311	275	258	180	758 (IDW)
Thallium (Dissolved)	mg/L	0.0073 BJ (IDW)	NA	ND(0.01)	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.004 J*)
Vanadium (Dissolved)	mg/L	ND(0.05)	NA	ND(0.05)	ND(0.05)	ND(0.025)	ND(0.004)	ND(0.02)
Zinc (Dissolved)	mg/L	ND(0.02)	NA	ND(0.02)	ND(0.02)	0.01	ND(0.02)	0.143

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-1B 06/10/96	Green Point Landfill X-1B 03/09/97	Green Point Landfill X-1B 05/24/00	Green Point Landfill X-1B 06/20/01	Green Point Landfill X-1B 06/25/02	Green Point Landfill X-1B 06/17/03	Green Point Landfill X-1B 06/18/03
Inorganics								
Aluminum	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA
Iron	mg/L	37.7 (IDW)	19.7 (IDW)	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	1.14	0.993	NA	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	ND(0.000200 J)	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganics-Dissolved								
Aluminum (Dissolved)	mg/L	ND(0.118)	NA	ND(0.1)	ND(0.1)	ND(0.1)	NA	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	NA	ND(0.005)	ND(0.005)	ND(0.005)	NA	ND(0.005)
Arsenic (Dissolved)	mg/L	NA	NA	ND(0.01)	0.0043 B	0.0035 B	NA	ND(0.01)
Barium (Dissolved)	mg/L	0.87	NA	0.77	0.644	0.706	NA	0.525
Beryllium (Dissolved)	mg/L	NA	NA	ND(0.004)	ND(0.004)	ND(0.004)	NA	ND(0.004)
Cadmium (Dissolved)	mg/L	NA	NA	ND(0.001)	ND(0.001)	ND(0.001)	NA	0.00033 B
Calcium (Dissolved)	mg/L	NA	NA	380	352	357	NA	309
Chromium Total (Dissolved)	mg/L	NA	NA	0.0038 B	0.0022 B	0.0031 B	NA	0.0019 B
Cobalt (Dissolved)	mg/L	NA	NA	0.0061 B	0.0065 B	0.0056 B	NA	0.004 B
Copper (Dissolved)	mg/L	NA	NA	ND(0.025)	ND(0.025)	ND(0.025)	NA	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	0.0055	0.005	0.0047 B	ND(0.005)	NA
Iron (Dissolved)	mg/L	21.2 J (IDW)	0.8318	22.1 J (IDW)	22.4 (IDW)	20.3 (IDW)	NA	19.2 (IDW)
Lead (Dissolved)	mg/L	ND(0.003)	NA	ND(0.003)	ND(0.003)	ND(0.003)	NA	ND(0.003)
Magnesium (Dissolved)	mg/L	121	NA	118	116	113	NA	105
Manganese (Dissolved)	mg/L	0.838 J	0.9265	0.795	0.935	0.842	NA	1.29
Mercury (Dissolved)	mg/L	NA	NA	ND(0.0002)	NA	ND(0.0002 J)	NA	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.05)	NA	0.0296 B	0.0324 B	0.0297 B	NA	0.0172 B
Potassium (Dissolved)	mg/L	NA	NA	40.5	37.8 J	34.7 J	NA	32.4
Selenium (Dissolved)	mg/L	NA	NA	ND(0.005)	ND(0.005)	ND(0.005)	NA	ND(0.005)
Silver (Dissolved)	mg/L	NA	NA	ND(0.005)	ND(0.005)	ND(0.005)	NA	ND(0.005)
Sodium (Dissolved)	mg/L	831 (IDW)	NA	858 (IDW)	793 (IDW)	777 (IDW)	NA	537 (IDW)
Thallium (Dissolved)	mg/L	NA	NA	0.0066 B (IDW)	0.0064 B (IDW)	0.0082 BJ (IDW)	NA	ND(0.01)
Vanadium (Dissolved)	mg/L	NA	NA	0.0024 B	0.0017 B	0.002 B	NA	ND(0.05)
Zinc (Dissolved)	mg/L	ND(0.0425)	NA	ND(0.02)	0.0325	0.0212	NA	0.0149 B

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-1B 05/25/04	Green Point Landfill X-1B 06/21/05	Green Point Landfill X-1B 12/12/06	Green Point Landfill X-1CR 07/29/95	Green Point Landfill X-1CR 06/10/96	Green Point Landfill X-1CR 03/11/97	Green Point Landfill X-1CR 05/24/00
Inorganics								
Aluminum	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	ND(0.00500)	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	0.475	43.3 (IDW)	NA
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	0.0410	2.20 (IDW)	NA
Mercury	mg/L	NA	NA	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganics-Dissolved								
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.2)	ND(0.2)	NA	ND(0.1)	NA	NA
Antimony (Dissolved)	mg/L	ND(0.005)	0.00048 B	ND(0.002)	ND(0.005)	ND(0.005)	NA	NA
Arsenic (Dissolved)	mg/L	ND(0.01)	0.0068	ND(0.005)	0.0022	NA	NA	NA
Barium (Dissolved)	mg/L	0.35	0.657	0.776	0.531	0.507	NA	NA
Beryllium (Dissolved)	mg/L	ND(0.004)	ND(0.001)	ND(0.001)	ND(0.005)	NA	NA	NA
Cadmium (Dissolved)	mg/L	ND(0.001)	ND(0.0005)	ND(0.001)	ND(0.0002 J)	NA	NA	NA
Calcium (Dissolved)	mg/L	270	305	291	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	ND(0.005)	ND(0.01)	ND(0.005)	ND(0.05)	NA	NA	NA
Cobalt (Dissolved)	mg/L	0.0057 B	0.0061	0.0066 J	ND(0.05)	NA	NA	NA
Copper (Dissolved)	mg/L	ND(0.025)	0.00086 B	0.00089 J	ND(0.025)	NA	NA	NA
Cyanide (Dissolved)	mg/L	ND(0.005)	0.003 B	0.018	NA	NA	NA	NA
Iron (Dissolved)	mg/L	14 (IDW)	21.5 (IDW)	21.7 (IDW)	NA	30.7 J (IDW)	42.8 (IDW)	31 (IDW)
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.001)	ND(0.003)	ND(0.003)	ND(0.003)	NA	NA
Magnesium (Dissolved)	mg/L	93.3	95.5	85.7	NA	105	NA	NA
Manganese (Dissolved)	mg/L	1.33	1.1	1.17	NA	1.66 J	2.2 (IDW)	1.8
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	NA	NA	NA
Nickel (Dissolved)	mg/L	0.012 B	0.0281	0.0257	ND(0.05)	ND(0.05)	NA	NA
Potassium (Dissolved)	mg/L	23.2	34 J	34.5	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	ND(0.005)	0.0195	ND(0.005)	ND(0.005)	NA	NA	NA
Silver (Dissolved)	mg/L	ND(0.005)	ND(0.0005)	R	ND(0.0005)	NA	NA	NA
Sodium (Dissolved)	mg/L	355 (IDW)	678 (IDW)	716 (IDW)	NA	410 (IDW)	NA	NA
Thallium (Dissolved)	mg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.008 J*)	NA	NA	NA
Vanadium (Dissolved)	mg/L	ND(0.05)	ND(0.025)	ND(0.004)	ND(0.02)	NA	NA	NA
Zinc (Dissolved)	mg/L	ND(0.02)	0.0271	0.01 J	ND(0.02)	ND(0.02)	NA	NA

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-1CR2 07/29/95	Green Point Landfill X-1CR2 06/11/96	Green Point Landfill X-1CR2 03/12/97	Green Point Landfill X-1CR2 05/24/00	Green Point Landfill X-1CR2 06/26/02	Green Point Landfill X-1CR2 06/19/03	Green Point Landfill X-1CR2 05/27/04
Inorganics								
Aluminum	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500)	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	498 (IDW)	0.290	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	8.34 (IDW)	0.0200	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganics-Dissolved								
Aluminum (Dissolved)	mg/L	ND(0.1)	0.188	NA	NA	ND(0.1)	84.4 (IDW)	ND(0.106 J)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	NA	NA	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.0024	NA	NA	NA	0.0037 B	0.0271 (IDW)	ND(0.01)
Barium (Dissolved)	mg/L	ND(0.2)	ND(0.2)	NA	NA	0.0343 B	0.534 J	0.0302
Beryllium (Dissolved)	mg/L	ND(0.005)	NA	NA	NA	ND(0.004)	0.0038 B	ND(0.004)
Cadmium (Dissolved)	mg/L	ND(0.0002 J)	NA	NA	NA	ND(0.001)	0.0039	0.0005
Calcium (Dissolved)	mg/L	75.4	NA	NA	NA	68.1	554	72.6 J
Chromium Total (Dissolved)	mg/L	ND(0.05)	NA	NA	NA	ND(0.005)	0.18 (IDW)	ND(0.005)
Cobalt (Dissolved)	mg/L	ND(0.05)	NA	NA	NA	ND(0.04)	0.0507	0.0034
Copper (Dissolved)	mg/L	ND(0.025)	NA	NA	NA	ND(0.025)	0.112	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA	NA	ND(0.005)	ND(0.005)	ND(0.005)
Iron (Dissolved)	mg/L	ND(0.1)	ND(0.1)	0.24	0.06	ND(0.1)	98 (IDW)	ND(0.1)
Lead (Dissolved)	mg/L	0.0069 (IDW)	ND(0.003)	NA	NA	ND(0.003)	0.0579 (IDW)	ND(0.003)
Magnesium (Dissolved)	mg/L	ND(5)	23.2	NA	NA	33.3	211	34 J
Manganese (Dissolved)	mg/L	ND(0.02)	ND(0.02)	0.03	0.15	0.0738	2	0.0225 J
Mercury (Dissolved)	mg/L	ND(0.0002 J)	NA	NA	NA	ND(0.0002 J)	ND(0.0002 J)	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.05)	NA	NA	ND(0.04)	0.131 (IDW)	ND(0.04)
Potassium (Dissolved)	mg/L	18.9	NA	NA	NA	3.31 BJ	28.8	2.71 J
Selenium (Dissolved)	mg/L	ND(0.005)	NA	NA	NA	ND(0.005)	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005)	NA	NA	NA	ND(0.005)	ND(0.005)	ND(0.005)
Sodium (Dissolved)	mg/L	176	123	NA	NA	125	126	130
Thallium (Dissolved)	mg/L	ND(0.002 J)	NA	NA	NA	ND(0.01 J)	ND(0.01)	ND(0.01)
Vanadium (Dissolved)	mg/L	ND(0.02)	NA	NA	NA	ND(0.05)	0.169 (IDW)	ND(0.05)
Zinc (Dissolved)	mg/L	ND(0.02)	ND(0.02)	NA	NA	ND(0.02)	0.534	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-1CR2 06/21/05	Green Point Landfill X-1CR2 12/12/06	Green Point Landfill X-2D 12/13/06	Green Point Landfill X-3AR 06/20/95	Green Point Landfill X-3AR 07/31/95	Green Point Landfill X-3AR 06/06/96	Green Point Landfill X-3BR 06/20/95
Inorganics								
Aluminum	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	ND(0.00500)	ND(0.00500)	NA	ND(0.00500)
Iron	mg/L	NA	NA	NA	NA	NA	366 (IDW)	NA
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	2.89 (IDW)	NA
Mercury	mg/L	NA	NA	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganics-Dissolved								
Aluminum (Dissolved)	mg/L	ND(0.2)	ND(0.2)	ND(0.2)	0.519 (IDW)	NA	ND(0.1) [ND(0.1)]	0.18
Antimony (Dissolved)	mg/L	0.00022 B	ND(0.002)	ND(0.002)	0.0064 (IDW)	0.009 (IDW)	ND(0.005) [ND(0.005)]	ND(0.005)
Arsenic (Dissolved)	mg/L	0.0018 B	ND(0.005)	ND(0.005)	0.0312 (IDW)	0.0297 (IDW)	NA	0.0013
Barium (Dissolved)	mg/L	0.0235	0.0259 J	0.313	9.53 (IDW)	11.8 (IDW)	10.4 (IDW) [10.9 (IDW)]	0.301
Beryllium (Dissolved)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.005)	NA	ND(0.005)
Cadmium (Dissolved)	mg/L	0.00078	0.0024	ND(0.001)	ND(0.0002)	ND(0.0002 J)	NA	0.00038
Calcium (Dissolved)	mg/L	72.7	67	240	2,250 J	NA	NA	111 J
Chromium Total (Dissolved)	mg/L	ND(0.002)	ND(0.005)	ND(0.005)	ND(0.05)	ND(0.05)	NA	ND(0.05)
Cobalt (Dissolved)	mg/L	0.00058 B	ND(0.007)	0.0013 J	ND(0.05)	ND(0.05)	NA	ND(0.05)
Copper (Dissolved)	mg/L	0.0029	0.0046	0.00052 J	ND(0.025)	0.028	NA	ND(0.025)
Cyanide (Dissolved)	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	NA	NA	NA	NA
Iron (Dissolved)	mg/L	0.229	ND(0.1)	14.8 (IDW)	320 (IDW)	NA	344 (IDW) [372 (IDW)]	1.1
Lead (Dissolved)	mg/L	ND(0.001)	ND(0.003)	ND(0.003)	ND(0.003 J)	ND(0.003)	ND(0.003) [ND(0.003)]	ND(0.003 J)
Magnesium (Dissolved)	mg/L	34	31.9	57	1,640 (IDW)	NA	1,660 (IDW) [1,720 (IDW)]	46.8
Manganese (Dissolved)	mg/L	0.0019	0.0234	1.34	3.67 (IDW)	NA	3.22 (IDW) [3.17 (IDW)]	0.317
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002 J)	ND(0.0002)	NA	ND(0.0002 J)
Nickel (Dissolved)	mg/L	0.0018 B	ND(0.02)	ND(0.02)	0.0557	0.062	0.0514 [0.0534]	ND(0.05)
Potassium (Dissolved)	mg/L	2.71 BJ	2.52	2.15	331	NA	NA	13.4
Selenium (Dissolved)	mg/L	0.0024	ND(0.005)	ND(0.005)	ND(0.025 J*)	ND(0.01 *)	NA	ND(0.005 J)
Silver (Dissolved)	mg/L	ND(0.0005)	R	R	ND(0.0005)	ND(0.0005)	NA	ND(0.0005)
Sodium (Dissolved)	mg/L	131	129	159	1,160 (IDW)	NA	1,280 (IDW) [1,340 (IDW)]	50.1
Thallium (Dissolved)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.004 J*)	ND(0.016 J*)	NA	ND(0.002 J)
Vanadium (Dissolved)	mg/L	0.0006 B	ND(0.004)	ND(0.004)	ND(0.02)	0.044	NA	ND(0.02)
Zinc (Dissolved)	mg/L	0.0107	0.0979	ND(0.02)	R	ND(0.02)	ND(0.02) [ND(0.02)]	0.214

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-3BR 06/05/96	Green Point Landfill X-3CAUG 06/20/95	Green Point Landfill X-3CAUG 06/05/96	Green Point Landfill X-4A 12/14/06	Green Point Landfill X-5A 06/21/95	Green Point Landfill X-5A 07/19/95	Green Point Landfill X-5A 06/06/96
Inorganics								
Aluminum	mg/L	NA	NA	NA	ND(0.200)	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	ND(0.00500)	NA	NA	NA
Barium	mg/L	NA	NA	NA	0.0682 J	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	ND(0.00100)	NA	NA	NA
Calcium	mg/L	NA	NA	NA	165	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	ND(0.00500)	NA	NA	NA
Copper	mg/L	NA	NA	NA	0.000920 J	NA	NA	NA
Cyanide (total)	mg/L	NA	ND(0.00500)	NA	NA	ND(0.00500)	ND(0.00500)	NA
Iron	mg/L	12.4	NA	4.50	0.0450 J	NA	NA	34.3 (IDW)
Lead	mg/L	NA	NA	NA	ND(0.00300)	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	32.7	NA	NA	NA
Manganese	mg/L	0.349	NA	0.0650	ND(0.0150)	NA	NA	0.644
Mercury	mg/L	NA	NA	NA	0.000110 J	NA	NA	NA
Nickel	mg/L	NA	NA	NA	ND(0.0200)	NA	NA	NA
Potassium	mg/L	NA	NA	NA	0.329 J	NA	NA	NA
Selenium	mg/L	NA	NA	NA	ND(0.00500)	NA	NA	NA
Sodium	mg/L	NA	NA	NA	21.3	NA	NA	NA
Thallium	mg/L	NA	NA	NA	ND(0.00100)	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	ND(0.00400)	NA	NA	NA
Zinc	mg/L	NA	NA	NA	0.0115 J	NA	NA	NA
Inorganics-Dissolved								
Aluminum (Dissolved)	mg/L	0.104	0.129	ND(0.1)	ND(0.2)	R	NA	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.002)	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	NA	0.0162 (IDW)	NA	ND(0.005)	0.0031	0.0014	NA
Barium (Dissolved)	mg/L	0.51	0.236	0.321	0.0648 J	0.784	0.665	0.763
Beryllium (Dissolved)	mg/L	NA	ND(0.005)	NA	ND(0.001)	ND(0.005)	ND(0.005)	NA
Cadmium (Dissolved)	mg/L	NA	ND(0.0002)	NA	ND(0.001)	ND(0.0002)	ND(0.0002 J)	NA
Calcium (Dissolved)	mg/L	NA	86.4 J	NA	159	174	NA	NA
Chromium Total (Dissolved)	mg/L	NA	ND(0.05)	NA	ND(0.005)	ND(0.05)	ND(0.05)	NA
Cobalt (Dissolved)	mg/L	NA	ND(0.05)	NA	ND(0.007)	ND(0.05)	ND(0.05)	NA
Copper (Dissolved)	mg/L	NA	ND(0.025)	NA	0.0012 J	ND(0.025)	ND(0.025)	NA
Cyanide (Dissolved)	mg/L	NA	NA	NA	0.0079 J	NA	NA	NA
Iron (Dissolved)	mg/L	12.6	2.36	4.89	ND(0.1)	27.8 (IDW)	NA	37 (IDW)
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003 J)	ND(0.003)	ND(0.003)	ND(0.003 J)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	51.5	28.6	44.4	31.8	74.1	NA	69.9
Manganese (Dissolved)	mg/L	0.399	0.0744	0.0704	ND(0.015)	0.482	NA	0.681
Mercury (Dissolved)	mg/L	NA	ND(0.0002 J)	NA	ND(0.0002)	ND(0.0002 J)	ND(0.0002)	NA
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.02)	ND(0.05)	ND(0.05)	ND(0.05)
Potassium (Dissolved)	mg/L	NA	5.14	NA	0.301 J	81.6	NA	NA
Selenium (Dissolved)	mg/L	NA	ND(0.005 J)	NA	ND(0.005)	ND(0.005 J)	ND(0.005)	NA
Silver (Dissolved)	mg/L	NA	ND(0.0005)	NA	ND(0.0002 J)	ND(0.0005)	ND(0.0005)	NA
Sodium (Dissolved)	mg/L	98.6	142	207	20.4	228	NA	201
Thallium (Dissolved)	mg/L	NA	ND(0.002 J)	NA	ND(0.001)	ND(0.002 J)	ND(0.004 J*)	NA
Vanadium (Dissolved)	mg/L	NA	ND(0.02)	NA	ND(0.004)	ND(0.02)	ND(0.02)	NA
Zinc (Dissolved)	mg/L	0.0251	R	ND(0.02)	0.0088 J	0.049	0.148 J	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-5B 06/21/95	Green Point Landfill X-5B 07/19/95	Green Point Landfill X-5B 06/06/96	Green Point Landfill X-5CR 06/21/95	Green Point Landfill X-5CR 06/05/96	Green Point Landfill X-6A 09/26/95	Green Point Landfill X-6B 09/26/95
Inorganics								
Aluminum	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	0.00920	0.00700	NA	ND(0.00500)	NA	ND(0.00500)	0.00570
Iron	mg/L	NA	NA	3.49	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	0.243	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganics-Dissolved								
Aluminum (Dissolved)	mg/L	R	NA	0.127	R	ND(0.1)	ND(0.1)	1.89 J (IDW)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.0142 (IDW)	0.019 (IDW)
Arsenic (Dissolved)	mg/L	0.0021	0.0026	NA	0.0093	NA	0.011 (IDW)	0.0124 (IDW)
Barium (Dissolved)	mg/L	0.844	1.27	0.72	ND(0.2)	ND(0.2)	0.496	0.409
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	NA	ND(0.005)	NA	ND(0.005)	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.0002)	ND(0.0002 J)	NA	ND(0.0002)	NA	0.00023 J	0.00027 J
Calcium (Dissolved)	mg/L	29.9	NA	NA	55.6	NA	47.3	77.2
Chromium Total (Dissolved)	mg/L	ND(0.05)	ND(0.05)	NA	ND(0.05)	NA	ND(0.05)	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.05)	NA	ND(0.05)	NA	ND(0.05)	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	NA	ND(0.025)	NA	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Iron (Dissolved)	mg/L	2.72	NA	4.09	ND(0.1)	ND(0.1)	5.79	6.45
Lead (Dissolved)	mg/L	ND(0.003 J)	ND(0.003)	ND(0.003)	ND(0.003 J)	ND(0.003)	ND(0.003)	0.0089 (IDW)
Magnesium (Dissolved)	mg/L	58.1	NA	53.6	29.7	44.4	70.8	66.7
Manganese (Dissolved)	mg/L	0.291	NA	0.278	0.0532	0.0717	0.127	0.294
Mercury (Dissolved)	mg/L	ND(0.0002 J)	ND(0.0002)	NA	ND(0.0002 J)	NA	ND(0.0002)	ND(0.0002)
Nickel (Dissolved)	mg/L	0.0509	0.055	ND(0.05)	ND(0.05)	ND(0.05)	0.0841	0.0941
Potassium (Dissolved)	mg/L	390	NA	NA	ND(5)	NA	299	257
Selenium (Dissolved)	mg/L	ND(0.005 J)	ND(0.005)	NA	ND(0.005 J)	NA	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005)	ND(0.0005)	NA	ND(0.0005)	NA	ND(0.0005)	ND(0.0005)
Sodium (Dissolved)	mg/L	897 (IDW)	NA	786 (IDW)	86.7	111	1,340 (IDW)	899 (IDW)
Thallium (Dissolved)	mg/L	ND(0.004 J)	ND(0.008 J*)	NA	ND(0.002 J)	NA	ND(0.002 J)	ND(0.008 J)
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.02)	NA	ND(0.02)	NA	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	0.0662	ND(0.02)	ND(0.02)	0.0527	ND(0.02)	0.025	0.083

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-7A 06/20/95	Green Point Landfill X-7A 06/12/96	Green Point Landfill X-7A 03/11/97	Green Point Landfill X-7BR 06/20/95	Green Point Landfill X-7BR 06/05/96	Green Point Landfill X-7BR 03/11/97	Green Point Landfill X-7CAUG 06/21/95
Inorganics								
Aluminum	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	0.00870	NA	NA	ND(0.00500)	NA	NA	ND(0.00500)
Iron	mg/L	NA	73.4 (IDW)	25,000 (IDW)	NA	127 (IDW)	73.3 (IDW)	NA
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	0.470	198 (IDW)	NA	4.16 (IDW)	3.70 (IDW)	NA
Mercury	mg/L	NA	NA	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganics-Dissolved								
Aluminum (Dissolved)	mg/L	0.212	0.223	NA	0.246 (IDW)	0.114	NA	R
Antimony (Dissolved)	mg/L	0.0079 (IDW)	0.0111 (IDW)	NA	ND(0.005)	ND(0.005)	NA	ND(0.005)
Arsenic (Dissolved)	mg/L	0.006	NA	NA	0.0016	NA	NA	0.0106 (IDW)
Barium (Dissolved)	mg/L	0.762	0.575	NA	3.46 (IDW)	3.47 (IDW)	NA	0.404
Beryllium (Dissolved)	mg/L	ND(0.005)	NA	NA	ND(0.005)	NA	NA	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.0002)	NA	NA	ND(0.0002)	NA	NA	0.0004
Calcium (Dissolved)	mg/L	101 J	NA	NA	2,970 J	NA	NA	109
Chromium Total (Dissolved)	mg/L	ND(0.05)	NA	NA	ND(0.05)	NA	NA	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.05)	NA	NA	ND(0.05)	NA	NA	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	NA	NA	ND(0.025)	NA	NA	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Iron (Dissolved)	mg/L	29.5 (IDW)	23.3 J (IDW)	0.68	130 (IDW)	140 (IDW)	114 (IDW)	5.26
Lead (Dissolved)	mg/L	ND(0.003 J)	ND(0.003)	NA	ND(0.003 J)	ND(0.003)	NA	ND(0.003 J)
Magnesium (Dissolved)	mg/L	168	222	NA	525	624	NA	29.5
Manganese (Dissolved)	mg/L	0.286	0.193	0.08	4.66 (IDW)	4.54 (IDW)	3.7 (IDW)	0.266
Mercury (Dissolved)	mg/L	ND(0.0002 J)	NA	NA	ND(0.0002 J)	NA	NA	ND(0.0002 J)
Nickel (Dissolved)	mg/L	0.147 (IDW)	0.173 (IDW)	NA	ND(0.05)	ND(0.05)	NA	ND(0.05)
Potassium (Dissolved)	mg/L	504	NA	NA	10.1	NA	NA	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005 J)	NA	NA	ND(0.005 J)	NA	NA	ND(0.005 J)
Silver (Dissolved)	mg/L	ND(0.0005)	NA	NA	ND(0.0005)	NA	NA	ND(0.0005)
Sodium (Dissolved)	mg/L	1,490 (IDW)	1,300 (IDW)	NA	270	303	NA	64.3
Thallium (Dissolved)	mg/L	ND(0.004 J)	NA	NA	ND(0.002 J)	NA	NA	ND(0.002 J)
Vanadium (Dissolved)	mg/L	ND(0.02)	NA	NA	ND(0.02)	NA	NA	ND(0.02)
Zinc (Dissolved)	mg/L	R	R	NA	ND(0.02)	ND(0.02)	NA	0.0714

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-7CAUG 06/05/96	Green Point Landfill X-7CAUG 03/09/97	Green Point Landfill X-7DAUG 06/20/95	Green Point Landfill X-7DAUG 06/05/96	Green Point Landfill X-7DAUG 03/11/97	Green Point Landfill X-9C 12/15/06	Green Point Landfill X-10A 06/13/96
Inorganics								
Aluminum	mg/L	NA	NA	NA	NA	NA	ND(0.200)	NA
Arsenic	mg/L	NA	NA	NA	NA	NA	ND(0.00500)	NA
Barium	mg/L	NA	NA	NA	NA	NA	0.176	NA
Cadmium	mg/L	NA	NA	NA	NA	NA	ND(0.00100)	NA
Calcium	mg/L	NA	NA	NA	NA	NA	126	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA	ND(0.00500)	NA
Copper	mg/L	NA	NA	NA	NA	NA	ND(0.00200)	NA
Cyanide (total)	mg/L	NA	NA	ND(0.00500)	NA	NA	NA	NA
Iron	mg/L	12.3	11.8	NA	8.58	7.90 [7.70]	6.92	NA
Lead	mg/L	NA	NA	NA	NA	NA	ND(0.00300)	NA
Magnesium	mg/L	NA	NA	NA	NA	NA	38.7	NA
Manganese	mg/L	0.302	0.275	NA	0.0842	0.0800 [0.0800]	0.632	NA
Mercury	mg/L	NA	NA	NA	NA	NA	ND(0.000200)	NA
Nickel	mg/L	NA	NA	NA	NA	NA	ND(0.0200)	NA
Potassium	mg/L	NA	NA	NA	NA	NA	0.760 J	NA
Selenium	mg/L	NA	NA	NA	NA	NA	ND(0.00500)	NA
Sodium	mg/L	NA	NA	NA	NA	NA	59.4	NA
Thallium	mg/L	NA	NA	NA	NA	NA	ND(0.00100)	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	ND(0.00400)	NA
Zinc	mg/L	NA	NA	NA	NA	NA	ND(0.0200)	NA
Inorganics-Dissolved								
Aluminum (Dissolved)	mg/L	ND(0.1)	NA	0.144	ND(0.1)	NA	ND(0.2)	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	NA	ND(0.005)	ND(0.005)	NA	ND(0.002)	ND(0.005)
Arsenic (Dissolved)	mg/L	NA	NA	0.0053	NA	NA	ND(0.005)	ND(0.005)
Barium (Dissolved)	mg/L	0.574	NA	ND(0.2)	0.445	NA	0.173	ND(0.2)
Beryllium (Dissolved)	mg/L	NA	NA	ND(0.005)	NA	NA	ND(0.001)	ND(0.005)
Cadmium (Dissolved)	mg/L	NA	NA	0.0002	NA	NA	ND(0.001)	ND(0.0005)
Calcium (Dissolved)	mg/L	NA	NA	53.6 J	NA	NA	124	117
Chromium Total (Dissolved)	mg/L	NA	NA	ND(0.05)	NA	NA	ND(0.005)	ND(0.05)
Cobalt (Dissolved)	mg/L	NA	NA	ND(0.05)	NA	NA	ND(0.007)	ND(0.05)
Copper (Dissolved)	mg/L	NA	NA	ND(0.025)	NA	NA	ND(0.002)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA	NA	NA	ND(0.01)	ND(0.005)
Iron (Dissolved)	mg/L	11	11.78	0.734	9.83	8.4 [8.2]	6.73	ND(0.1 J)
Lead (Dissolved)	mg/L	ND(0.003)	NA	ND(0.003 J)	ND(0.003)	NA	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	41.2	NA	13.7	40.4	NA	38.1	22.4
Manganese (Dissolved)	mg/L	0.302	0.2782	0.0714	0.105	0.09 [0.09]	0.63	0.0225
Mercury (Dissolved)	mg/L	NA	NA	ND(0.0002 J)	NA	NA	ND(0.0002)	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.05)	NA	ND(0.05)	ND(0.05)	NA	ND(0.02)	ND(0.05)
Potassium (Dissolved)	mg/L	NA	NA	12.6	NA	NA	0.755 J	9.45
Selenium (Dissolved)	mg/L	NA	NA	ND(0.005 J)	NA	NA	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	NA	NA	ND(0.0005)	NA	NA	ND(0.0002 J)	ND(0.0005 J)
Sodium (Dissolved)	mg/L	103	NA	38	201	NA	58.2	24
Thallium (Dissolved)	mg/L	NA	NA	ND(0.002 J)	NA	NA	ND(0.001)	ND(0.002 J)
Vanadium (Dissolved)	mg/L	NA	NA	ND(0.02)	NA	NA	ND(0.004)	ND(0.02)
Zinc (Dissolved)	mg/L	0.0408	NA	R	ND(0.02)	NA	ND(0.02)	ND(0.0868)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-10A 05/24/00	Green Point Landfill X-10AR2 11/27/01	Green Point Landfill X-10AR2 06/26/02	Green Point Landfill X-10AR2 06/19/03	Green Point Landfill X-10AR2 05/25/04	Green Point Landfill X-10AR2 06/22/05	Green Point Landfill X-10AR2 12/13/06
Inorganics								
Aluminum	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganics-Dissolved								
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.1) [ND(0.1)]	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	ND(0.2) [ND(0.2)]
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.002)	ND(0.002) [ND(0.002)]
Arsenic (Dissolved)	mg/L	ND(0.01)	ND(0.01) [ND(0.01)]	0.0022 B	ND(0.01)	ND(0.01)	0.002	ND(0.005) [ND(0.005)]
Barium (Dissolved)	mg/L	0.0444 B	0.0622 B [0.0574 B]	0.0508 B	ND(0.1)	0.0327 B	0.0327 J	0.0346 J [0.0338 J]
Beryllium (Dissolved)	mg/L	ND(0.004)	ND(0.004) [ND(0.004)]	ND(0.004)	ND(0.004)	ND(0.004)	ND(0.001)	ND(0.001) [ND(0.001)]
Cadmium (Dissolved)	mg/L	ND(0.001)	ND(0.001) [ND(0.001)]	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0005)	ND(0.001) [ND(0.001)]
Calcium (Dissolved)	mg/L	209	248 [241]	202	211	164	153 J	152 [148]
Chromium Total (Dissolved)	mg/L	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.002)	ND(0.005) [ND(0.005)]
Cobalt (Dissolved)	mg/L	ND(0.04)	ND(0.01) [ND(0.01)]	ND(0.04)	ND(0.04)	ND(0.04)	0.0012	ND(0.007) [ND(0.007)]
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025) [ND(0.025)]	ND(0.025)	ND(0.025)	ND(0.025)	0.00086 BJ	0.0011 J [0.00093 J]
Cyanide (Dissolved)	mg/L	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.01)	ND(0.01) [ND(0.01)]
Iron (Dissolved)	mg/L	ND(0.1 J)	4.74 J [1.08 J]	15.6 (IDW)	13.5 (IDW)	6.05	5.81	0.46 [0.602]
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003) [ND(0.003)]	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.001)	ND(0.003) [ND(0.003)]
Magnesium (Dissolved)	mg/L	48.7	74.9 J [73.1 J]	55.7	59	45.9	42.8	42.8 [41.9]
Manganese (Dissolved)	mg/L	0.152	2.81 (IDW) [2.71 (IDW)]	2.63 (IDW)	2.47 (IDW)	2.17 (IDW)	1.86	2.7 (IDW) [2.63 (IDW)]
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002 J)	ND(0.0002 J)	ND(0.0002)	ND(0.0002)	ND(0.0002) [ND(0.0002)]
Nickel (Dissolved)	mg/L	ND(0.04)	ND(0.04) [ND(0.04)]	ND(0.04)	ND(0.04)	0.0049 B	0.0071	ND(0.02) [ND(0.02)]
Potassium (Dissolved)	mg/L	8.91	14.2 [13.7]	12 J	11	8.29	9.82	8.17 [8.09]
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	ND(0.005)	ND(0.005)	0.0036	ND(0.005) [ND(0.005)]
Silver (Dissolved)	mg/L	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.0005)	R [R]
Sodium (Dissolved)	mg/L	33.7	67.9 [66.1]	48.3	44	31.5	31.1	23.5 [23.2]
Thallium (Dissolved)	mg/L	0.0071 B (IDW)	ND(0.01) [ND(0.01)]	0.0058 BJ (IDW)	ND(0.01)	ND(0.01)	ND(0.001)	ND(0.001) [ND(0.001)]
Vanadium (Dissolved)	mg/L	ND(0.05)	ND(0.02) [ND(0.02)]	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.005)	ND(0.004) [ND(0.004)]
Zinc (Dissolved)	mg/L	0.105	0.0171 B [ND(0.02)]	0.0181 B	0.0277	0.0364	0.0213 J	0.0426 [0.0458]

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-10BR 07/24/95	Green Point Landfill X-10BR 12/15/06	Green Point Landfill X-10CR 07/24/95	Green Point Landfill X-10CR 12/13/06	Green Point Landfill X-10D 12/14/06	Green Point Landfill X-10DAUG 07/24/95	Green Point Landfill X-16A 07/27/95
Inorganics								
Aluminum	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500)	NA	ND(0.00500)	NA	NA	ND(0.00500)	ND(0.00500)
Iron	mg/L	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganics-Dissolved								
Aluminum (Dissolved)	mg/L	0.103	ND(0.2)	ND(0.1)	ND(0.2)	ND(0.2) [ND(0.2)]	ND(0.1)	1.11 (IDW)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.002)	ND(0.005)	ND(0.002)	ND(0.002) [ND(0.002)]	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.032 (IDW)	0.0276 (IDW)	0.0204 (IDW)	0.0278 (IDW)	0.0198 (IDW) [0.0199 (IDW)]	0.0203 (IDW)	ND(0.001)
Barium (Dissolved)	mg/L	0.387	0.598	0.455	0.928	0.41 [0.418]	0.294	ND(0.2)
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001) [ND(0.001)]	ND(0.005)	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.0002)	ND(0.001)	ND(0.0002)	ND(0.001)	ND(0.001) [ND(0.001)]	ND(0.0002)	0.00035 J
Calcium (Dissolved)	mg/L	183	211	249	256	207 [212]	189	362
Chromium Total (Dissolved)	mg/L	ND(0.05)	ND(0.005)	ND(0.05)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.05)	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.007)	ND(0.05)	0.0027 J	0.0017 J [ND(0.007)]	ND(0.05)	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.002)	ND(0.025)	0.001 J	0.00077 J [0.0006 J]	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	ND(0.01)	NA	ND(0.01)	ND(0.01) [ND(0.01)]	NA	NA
Iron (Dissolved)	mg/L	22.6 (IDW)	30.5 (IDW)	19.3 (IDW)	19.7 (IDW)	29 (IDW) [29.7 (IDW)]	28.4 (IDW)	4.37
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003) [ND(0.003)]	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	49.3	58.4	68.9	101	53.4 [54.6]	49.6	126
Manganese (Dissolved)	mg/L	0.457	0.691	0.292	0.311	0.691 [0.705]	0.629	0.807
Mercury (Dissolved)	mg/L	ND(0.0002 J)	ND(0.0002)	ND(0.0002 J)	ND(0.0002)	ND(0.0002) [ND(0.0002)]	ND(0.0002 J)	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.02)	ND(0.05)	0.0111 J	ND(0.02) [ND(0.02)]	ND(0.05)	ND(0.05)
Potassium (Dissolved)	mg/L	ND(5)	2.53	ND(5)	19.4	1.92 [1.96]	ND(5)	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005 J)	ND(0.0002 J)	ND(0.0005 J)	R	ND(0.0002 J) [ND(0.0002 J)]	ND(0.0005 J)	ND(0.0005)
Sodium (Dissolved)	mg/L	149	192	230	363 (IDW)	196 [200]	118	86.2
Thallium (Dissolved)	mg/L	ND(0.002 J)	ND(0.001)	ND(0.002 J)	ND(0.001)	ND(0.001) [ND(0.001)]	ND(0.002 J)	ND(0.002 J)
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.004)	ND(0.02)	ND(0.004)	ND(0.004) [ND(0.004)]	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	ND(0.02)	ND(0.02)	0.05	ND(0.02)	ND(0.02) [ND(0.02)]	ND(0.02)	0.05

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-16A 05/24/00	Green Point Landfill X-16A 06/19/01	Green Point Landfill X-16A 06/25/02	Green Point Landfill X-16A 06/17/03	Green Point Landfill X-16A 06/18/03	Green Point Landfill X-16A 05/26/04	Green Point Landfill X-16A 06/21/05
Inorganics								
Aluminum	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/L	NA	ND(0.000200 J)	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganics-Dissolved								
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	NA	ND(0.1)	ND(0.1) [ND(0.1)]	ND(0.2)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	NA	ND(0.005)	ND(0.005) [ND(0.005)]	0.00015 B
Arsenic (Dissolved)	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	NA	ND(0.01)	ND(0.01) [ND(0.01)]	0.0018 B
Barium (Dissolved)	mg/L	0.216	0.225	0.227	NA	0.234	0.227 [0.222]	0.223
Beryllium (Dissolved)	mg/L	ND(0.004)	ND(0.004)	ND(0.004)	NA	ND(0.004)	ND(0.004) [ND(0.004)]	ND(0.001)
Cadmium (Dissolved)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	NA	0.00034 B	ND(0.001) [ND(0.001)]	ND(0.0005)
Calcium (Dissolved)	mg/L	397	377	373	NA	378	365 [371]	363
Chromium Total (Dissolved)	mg/L	0.0015 B	ND(0.005)	ND(0.005)	NA	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.002)
Cobalt (Dissolved)	mg/L	ND(0.04)	ND(0.04)	ND(0.04)	NA	ND(0.04)	ND(0.04) [ND(0.04)]	0.0016
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.025)	NA	ND(0.025)	ND(0.025) [ND(0.025)]	0.0019 B
Cyanide (Dissolved)	mg/L	ND(0.005)	0.0058	ND(0.005)	ND(0.005)	NA	ND(0.005) [ND(0.005)]	ND(0.01)
Iron (Dissolved)	mg/L	6.85 J	9.02	8.8	NA	12.7	10.2 [10.1]	9.99
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	NA	ND(0.003)	ND(0.003) [ND(0.003)]	ND(0.001)
Magnesium (Dissolved)	mg/L	136	136	133	NA	140	138 [141]	134
Manganese (Dissolved)	mg/L	0.966	0.964	1.05	NA	1.02	0.896 [0.935]	0.784
Mercury (Dissolved)	mg/L	ND(0.0002)	NA	ND(0.0002 J)	NA	ND(0.0002)	ND(0.0002) [ND(0.0002)]	ND(0.0002)
Nickel (Dissolved)	mg/L	0.0095 B	ND(0.04)	ND(0.04)	NA	ND(0.04)	ND(0.04) [0.0027 B]	0.0087
Potassium (Dissolved)	mg/L	1.92 B	1.53 BJ	1.79 BJ	NA	1.66 B	1.55 B [1.62 B]	1.64 BJ
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	NA	ND(0.005)	ND(0.005) [ND(0.005)]	0.0059
Silver (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	NA	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.0005)
Sodium (Dissolved)	mg/L	124	124	119	NA	129	128 [129]	131
Thallium (Dissolved)	mg/L	0.0076 B (IDW)	0.0066 B (IDW)	0.0056 BJ (IDW)	NA	ND(0.01)	ND(0.01) [ND(0.01)]	ND(0.001)
Vanadium (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	NA	ND(0.05)	ND(0.05) [ND(0.05)]	ND(0.005)
Zinc (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)	NA	ND(0.02)	ND(0.02) [ND(0.02)]	0.0132

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Green Point Landfill X-16A 12/12/06	Green Point Landfill X-16B 07/28/95	Green Point Landfill X-16B 05/19/00	Green Point Landfill X-16B 06/20/01	Green Point Landfill X-16B 06/26/02	Green Point Landfill X-16B 06/17/03	Green Point Landfill X-16B 06/18/03
Inorganics								
Aluminum	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	ND(0.00500)	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	ND(0.000200 J)	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganics-Dissolved								
Aluminum (Dissolved)	mg/L	ND(0.2)	NA	0.122	ND(0.1)	ND(0.1)	NA	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.002)	NA	ND(0.005)	ND(0.005)	ND(0.005)	NA	ND(0.005)
Arsenic (Dissolved)	mg/L	ND(0.005)	NA	ND(0.01)	ND(0.01)	0.0025 B	NA	ND(0.01)
Barium (Dissolved)	mg/L	0.26	NA	0.0357 B	0.0587 B	0.0282 B	NA	ND(0.1)
Beryllium (Dissolved)	mg/L	ND(0.001)	NA	ND(0.004)	ND(0.004)	ND(0.004)	NA	ND(0.004)
Cadmium (Dissolved)	mg/L	ND(0.001)	NA	0.00059 B	ND(0.001)	ND(0.001)	NA	ND(0.001)
Calcium (Dissolved)	mg/L	360	NA	84.7	136	76.1	NA	74.7
Chromium Total (Dissolved)	mg/L	ND(0.005)	NA	ND(0.005)	ND(0.005)	ND(0.005)	NA	ND(0.005)
Cobalt (Dissolved)	mg/L	ND(0.007)	NA	ND(0.04)	ND(0.04)	ND(0.04)	NA	ND(0.04)
Copper (Dissolved)	mg/L	0.0021	NA	ND(0.025)	ND(0.025)	ND(0.025)	NA	ND(0.025)
Cyanide (Dissolved)	mg/L	0.0053 J	NA	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	NA
Iron (Dissolved)	mg/L	8.25	NA	ND(0.1)	ND(0.1)	ND(0.1)	NA	ND(0.1)
Lead (Dissolved)	mg/L	ND(0.003)	NA	ND(0.003)	ND(0.003)	ND(0.003)	NA	ND(0.003)
Magnesium (Dissolved)	mg/L	127	NA	60.1	61.5	51.2	NA	51.2
Manganese (Dissolved)	mg/L	0.936	NA	0.0845	0.0404	0.135	NA	0.0125 B
Mercury (Dissolved)	mg/L	ND(0.0002)	NA	ND(0.0002)	NA	ND(0.0002 J)	NA	0.00013 B
Nickel (Dissolved)	mg/L	ND(0.02)	NA	0.0238 B	0.0037 B	ND(0.04)	NA	ND(0.04)
Potassium (Dissolved)	mg/L	1.58	NA	2.62 B	2.45 BJ	2.54 BJ	NA	2.32 B
Selenium (Dissolved)	mg/L	ND(0.0065)	NA	ND(0.005)	ND(0.005)	ND(0.005)	NA	ND(0.005)
Silver (Dissolved)	mg/L	R	NA	ND(0.005)	ND(0.005)	ND(0.005)	NA	ND(0.005)
Sodium (Dissolved)	mg/L	138	NA	91	99.4	80.2	NA	77.8
Thallium (Dissolved)	mg/L	ND(0.001)	NA	0.0039 B (IDW)	ND(0.01)	ND(0.01 J)	NA	ND(0.01)
Vanadium (Dissolved)	mg/L	ND(0.004)	NA	ND(0.05)	ND(0.05)	ND(0.05)	NA	ND(0.05)
Zinc (Dissolved)	mg/L	ND(0.02)	NA	0.0145 B	0.0244	0.0282	NA	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Green Point Landfill X-16B 05/26/04	Green Point Landfill X-16B 06/21/05	Green Point Landfill X-16B 12/12/06	Green Point Landfill X-17R 07/26/95	Green Point Landfill X-17R 06/04/96	Green Point Landfill X-19AR 07/28/95	Green Point Landfill X-19AR 06/04/96
Inorganics								
Aluminum	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	ND(0.00500)	NA	ND(0.00500)	NA
Iron	mg/L	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganics-Dissolved								
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1) [ND(0.104)]	ND(0.1)	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	0.00029 B	ND(0.002)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	ND(0.01)	0.0021	ND(0.005)	ND(0.001 J)	ND(0.005) [ND(0.005)]	0.0056	ND(0.005)
Barium (Dissolved)	mg/L	0.0316 B	0.0282	0.0274 J	ND(0.2)	ND(0.2) [ND(0.2)]	ND(0.2)	ND(0.2)
Beryllium (Dissolved)	mg/L	ND(0.004)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	ND(0.005)
Cadmium (Dissolved)	mg/L	0.00039	0.00032 B	0.00067 J	ND(0.0002 J)	ND(0.0005 J) [ND(0.0005 J)]	ND(0.0002 J)	ND(0.0005)
Calcium (Dissolved)	mg/L	73.3 J	66	59	178	184 [179]	252	259
Chromium Total (Dissolved)	mg/L	ND(0.005)	ND(0.002)	ND(0.005)	ND(0.05)	ND(0.05) [ND(0.05)]	ND(0.05)	ND(0.05)
Cobalt (Dissolved)	mg/L	0.0014	0.00068 B	0.0012 J	ND(0.05)	ND(0.05) [ND(0.05)]	ND(0.05)	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	0.0032	0.0027	ND(0.025)	ND(0.025) [ND(0.025)]	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	ND(0.005)	ND(0.01)	ND(0.01)	NA	ND(0.005) [ND(0.005)]	NA	ND(0.005)
Iron (Dissolved)	mg/L	ND(0.1)	0.234	ND(0.1)	ND(0.1)	ND(0.1 J) [ND(0.1 J)]	2.1	1.99 J
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.001)	ND(0.003)	ND(0.003)	ND(0.003) [ND(0.003)]	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	51.7 J	46.2	44.6	150	118 [119]	71.5	76
Manganese (Dissolved)	mg/L	ND(0.02)	0.0022	0.0121 J	0.0253	0.0921 [0.117]	0.517	0.547
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002) [ND(0.0002)]	ND(0.0002)	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.04)	0.0018 B	ND(0.02)	ND(0.05)	ND(0.05) [ND(0.05)]	ND(0.05)	ND(0.05)
Potassium (Dissolved)	mg/L	2.54 J	3.38 BJ	3.5	ND(5)	ND(5) [ND(5)]	ND(5)	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005)	0.0015 B	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.005)	ND(0.0005)	R	ND(0.0005)	ND(0.0005 J) [ND(0.0005)]	ND(0.0005)	ND(0.0005 J)
Sodium (Dissolved)	mg/L	80.2	73.1	92	81.1	78.2 [75.3]	90.6	84.3
Thallium (Dissolved)	mg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.002 J)	ND(0.002 J) [ND(0.002 J)]	ND(0.002 J)	ND(0.002 J)
Vanadium (Dissolved)	mg/L	ND(0.05)	ND(0.005)	ND(0.004)	ND(0.02)	ND(0.02) [ND(0.02)]	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	ND(0.02)	0.0056 B	0.011 J	ND(0.02)	ND(0.02) [ND(0.02)]	ND(0.02)	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Off-site South AW-1 11/14/96	Previously Proposed Type III Landfill Area MW-3A 07/27/95	Previously Proposed Type III Landfill Area MW-3B 07/27/95	Previously Proposed Type III Landfill Area MW-119S1 07/17/95
Inorganics					
Aluminum	mg/L	ND(0.100)	NA	NA	NA
Arsenic	mg/L	ND(0.00500)	NA	NA	NA
Barium	mg/L	ND(0.200)	NA	NA	NA
Cadmium	mg/L	ND(0.000500 Wa)	NA	NA	NA
Calcium	mg/L	548	NA	NA	NA
Chromium Total	mg/L	ND(0.0500)	NA	NA	NA
Copper	mg/L	ND(0.0250)	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Iron	mg/L	2.72 MBB	NA	NA	NA
Lead	mg/L	ND(0.00300)	NA	NA	NA
Magnesium	mg/L	68.2	NA	NA	NA
Manganese	mg/L	0.139	NA	NA	NA
Mercury	mg/L	ND(0.000200)	NA	NA	NA
Nickel	mg/L	ND(0.0500)	NA	NA	NA
Potassium	mg/L	22.5	NA	NA	NA
Selenium	mg/L	ND(0.00500)	NA	NA	NA
Sodium	mg/L	3,200 (IDW)	NA	NA	NA
Thallium	mg/L	0.0400 WaG (IDW)	NA	NA	NA
Vanadium	mg/L	ND(0.0200)	NA	NA	NA
Zinc	mg/L	ND(0.0200)	NA	NA	NA
Inorganics-Dissolved					
Aluminum (Dissolved)	mg/L	NA	ND(0.1)	0.114	ND(0.1)
Antimony (Dissolved)	mg/L	NA	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	NA	0.0082	0.0131 (IDW)	0.0111 (IDW)
Barium (Dissolved)	mg/L	NA	ND(0.2)	0.207	0.669
Beryllium (Dissolved)	mg/L	NA	ND(0.005)	ND(0.005)	ND(0.005)
Cadmium (Dissolved)	mg/L	NA	ND(0.0002 J)	ND(0.0002 J)	ND(0.0002)
Calcium (Dissolved)	mg/L	NA	145	187	152
Chromium Total (Dissolved)	mg/L	NA	ND(0.05)	ND(0.05)	ND(0.05)
Cobalt (Dissolved)	mg/L	NA	ND(0.05)	ND(0.05)	ND(0.05)
Copper (Dissolved)	mg/L	NA	ND(0.025)	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA	NA
Iron (Dissolved)	mg/L	NA	10.2	14 (IDW)	9.74
Lead (Dissolved)	mg/L	NA	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	NA	34	54.1	42.5
Manganese (Dissolved)	mg/L	NA	0.391	0.242	0.297
Mercury (Dissolved)	mg/L	NA	ND(0.0002)	ND(0.0002)	ND(0.0002)
Nickel (Dissolved)	mg/L	NA	ND(0.05)	ND(0.05)	ND(0.05)
Potassium (Dissolved)	mg/L	NA	ND(5)	ND(5)	ND(5)
Selenium (Dissolved)	mg/L	NA	ND(0.005)	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	NA	ND(0.0005)	ND(0.0005)	ND(0.0005 W)
Sodium (Dissolved)	mg/L	NA	107	127	95.7
Thallium (Dissolved)	mg/L	NA	ND(0.002)	ND(0.002)	ND(0.002 W)
Vanadium (Dissolved)	mg/L	NA	ND(0.02)	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	NA	ND(0.02)	ND(0.02)	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-119S1 06/10/96	Previously Proposed Type III Landfill Area MW-119S2 07/17/95	Previously Proposed Type III Landfill Area MW-119S2 06/10/96
Inorganics				
Aluminum	mg/L	NA	NA	NA
Arsenic	mg/L	NA	NA	NA
Barium	mg/L	NA	NA	NA
Cadmium	mg/L	NA	NA	NA
Calcium	mg/L	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA
Copper	mg/L	NA	NA	NA
Cyanide (total)	mg/L	NA	ND(0.00500)	NA
Iron	mg/L	NA	NA	NA
Lead	mg/L	NA	NA	NA
Magnesium	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Mercury	mg/L	NA	NA	NA
Nickel	mg/L	NA	NA	NA
Potassium	mg/L	NA	NA	NA
Selenium	mg/L	NA	NA	NA
Sodium	mg/L	NA	NA	NA
Thallium	mg/L	NA	NA	NA
Vanadium	mg/L	NA	NA	NA
Zinc	mg/L	NA	NA	NA
Inorganics-Dissolved				
Aluminum (Dissolved)	mg/L	NA	ND(0.1)	NA
Antimony (Dissolved)	mg/L	NA	ND(0.005)	NA
Arsenic (Dissolved)	mg/L	NA	0.0274 (IDW)	NA
Barium (Dissolved)	mg/L	NA	0.648	NA
Beryllium (Dissolved)	mg/L	NA	ND(0.005)	NA
Cadmium (Dissolved)	mg/L	NA	ND(0.0002)	NA
Calcium (Dissolved)	mg/L	NA	111	NA
Chromium Total (Dissolved)	mg/L	NA	ND(0.05)	NA
Cobalt (Dissolved)	mg/L	NA	ND(0.05)	NA
Copper (Dissolved)	mg/L	NA	ND(0.025)	NA
Cyanide (Dissolved)	mg/L	NA	NA	NA
Iron (Dissolved)	mg/L	9.2 J	4.58	6.51 J
Lead (Dissolved)	mg/L	NA	ND(0.003)	NA
Magnesium (Dissolved)	mg/L	NA	36.4	NA
Manganese (Dissolved)	mg/L	0.266 J	0.117	0.0985 J
Mercury (Dissolved)	mg/L	NA	ND(0.0002)	NA
Nickel (Dissolved)	mg/L	NA	ND(0.05)	NA
Potassium (Dissolved)	mg/L	NA	ND(5)	NA
Selenium (Dissolved)	mg/L	NA	ND(0.005)	NA
Silver (Dissolved)	mg/L	NA	ND(0.0005 J)	NA
Sodium (Dissolved)	mg/L	91.3	187	213
Thallium (Dissolved)	mg/L	NA	ND(0.002)	NA
Vanadium (Dissolved)	mg/L	NA	ND(0.02)	NA
Zinc (Dissolved)	mg/L	ND(0.02)	ND(0.02)	0.0376

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-119WT 07/17/95	Previously Proposed Type III Landfill Area MW-119WT 06/10/96	Previously Proposed Type III Landfill Area MW-120S1 07/18/95
Inorganics				
Aluminum	mg/L	NA	NA	NA
Arsenic	mg/L	NA	NA	NA
Barium	mg/L	NA	NA	NA
Cadmium	mg/L	NA	NA	NA
Calcium	mg/L	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA
Copper	mg/L	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500)	NA	ND(0.00500)
Iron	mg/L	NA	NA	NA
Lead	mg/L	NA	NA	NA
Magnesium	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Mercury	mg/L	NA	NA	NA
Nickel	mg/L	NA	NA	NA
Potassium	mg/L	NA	NA	NA
Selenium	mg/L	NA	NA	NA
Sodium	mg/L	NA	NA	NA
Thallium	mg/L	NA	NA	NA
Vanadium	mg/L	NA	NA	NA
Zinc	mg/L	NA	NA	NA
Inorganics-Dissolved				
Aluminum (Dissolved)	mg/L	ND(0.1)	NA	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	NA	ND(0.005)
Arsenic (Dissolved)	mg/L	ND(0.001)	NA	0.0509 (IDW)
Barium (Dissolved)	mg/L	0.337	NA	0.79
Beryllium (Dissolved)	mg/L	ND(0.005)	NA	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.0002)	NA	ND(0.0002)
Calcium (Dissolved)	mg/L	275	NA	164
Chromium Total (Dissolved)	mg/L	ND(0.05)	NA	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.05)	NA	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	NA	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA
Iron (Dissolved)	mg/L	13.7 (IDW)	14.7 J (IDW) [14.6 J (IDW)]	7.84
Lead (Dissolved)	mg/L	ND(0.003)	NA	ND(0.003)
Magnesium (Dissolved)	mg/L	77.1	NA	49.5
Manganese (Dissolved)	mg/L	1	1.01 J [1.01 J]	0.131
Mercury (Dissolved)	mg/L	ND(0.0002)	NA	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.05)	NA	ND(0.05)
Potassium (Dissolved)	mg/L	ND(5)	NA	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005)	NA	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0025 *)	NA	ND(0.0005 J)
Sodium (Dissolved)	mg/L	77	80.6 [80]	116
Thallium (Dissolved)	mg/L	ND(0.002)	NA	ND(0.002)
Vanadium (Dissolved)	mg/L	ND(0.02)	NA	ND(0.02)
Zinc (Dissolved)	mg/L	ND(0.02)	ND(0.02) [ND(0.02)]	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-120S1 06/11/96	Previously Proposed Type III Landfill Area MW-120S2 07/18/95	Previously Proposed Type III Landfill Area MW-120S2 06/11/96
Inorganics				
Aluminum	mg/L	NA	NA	NA
Arsenic	mg/L	NA	NA	NA
Barium	mg/L	NA	NA	NA
Cadmium	mg/L	NA	NA	NA
Calcium	mg/L	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA
Copper	mg/L	NA	NA	NA
Cyanide (total)	mg/L	NA	ND(0.00500) [0.0170]	NA
Iron	mg/L	NA	NA	NA
Lead	mg/L	NA	NA	NA
Magnesium	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Mercury	mg/L	NA	NA	NA
Nickel	mg/L	NA	NA	NA
Potassium	mg/L	NA	NA	NA
Selenium	mg/L	NA	NA	NA
Sodium	mg/L	NA	NA	NA
Thallium	mg/L	NA	NA	NA
Vanadium	mg/L	NA	NA	NA
Zinc	mg/L	NA	NA	NA
Inorganics-Dissolved				
Aluminum (Dissolved)	mg/L	NA	ND(0.1) [ND(0.1)]	NA
Antimony (Dissolved)	mg/L	NA	ND(0.005) [ND(0.005)]	NA
Arsenic (Dissolved)	mg/L	0.0502 (IDW) [0.0485 (IDW)]	0.0306 (IDW) [0.0277 (IDW)]	0.0261 (IDW)
Barium (Dissolved)	mg/L	NA	0.693 [0.675]	NA
Beryllium (Dissolved)	mg/L	NA	ND(0.005) [ND(0.005)]	NA
Cadmium (Dissolved)	mg/L	NA	ND(0.0002) [ND(0.0002)]	NA
Calcium (Dissolved)	mg/L	NA	142 [138]	NA
Chromium Total (Dissolved)	mg/L	NA	ND(0.05) [ND(0.05)]	NA
Cobalt (Dissolved)	mg/L	NA	ND(0.05) [ND(0.05)]	NA
Copper (Dissolved)	mg/L	NA	ND(0.025) [ND(0.025)]	NA
Cyanide (Dissolved)	mg/L	NA	NA	NA
Iron (Dissolved)	mg/L	7.16 [7.14]	4.98 [4.9]	3.89
Lead (Dissolved)	mg/L	NA	ND(0.003) [ND(0.003)]	NA
Magnesium (Dissolved)	mg/L	NA	46.6 [44.9]	NA
Manganese (Dissolved)	mg/L	0.112 [0.113]	0.12 [0.114]	0.0781
Mercury (Dissolved)	mg/L	NA	ND(0.0002) [ND(0.0002)]	NA
Nickel (Dissolved)	mg/L	NA	ND(0.05) [ND(0.05)]	NA
Potassium (Dissolved)	mg/L	NA	ND(5) [ND(5)]	NA
Selenium (Dissolved)	mg/L	NA	ND(0.005) [ND(0.005)]	NA
Silver (Dissolved)	mg/L	NA	ND(0.0005) [ND(0.0005)]	NA
Sodium (Dissolved)	mg/L	99.2 [99.8]	182 [174]	554 (IDW)
Thallium (Dissolved)	mg/L	NA	ND(0.002 J) [ND(0.002 J)]	NA
Vanadium (Dissolved)	mg/L	NA	ND(0.02) [ND(0.02)]	NA
Zinc (Dissolved)	mg/L	ND(0.02) [ND(0.02)]	ND(0.02) [ND(0.02)]	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-120WT 07/18/95	Previously Proposed Type III Landfill Area MW-120WT 06/11/96	Previously Proposed Type III Landfill Area MW-121S1 07/18/95
Inorganics				
Aluminum	mg/L	NA	NA	NA
Arsenic	mg/L	NA	NA	NA
Barium	mg/L	NA	NA	NA
Cadmium	mg/L	NA	NA	NA
Calcium	mg/L	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA
Copper	mg/L	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500)	NA	ND(0.00500)
Iron	mg/L	NA	NA	NA
Lead	mg/L	NA	NA	NA
Magnesium	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Mercury	mg/L	NA	NA	NA
Nickel	mg/L	NA	NA	NA
Potassium	mg/L	NA	NA	NA
Selenium	mg/L	NA	NA	NA
Sodium	mg/L	NA	NA	NA
Thallium	mg/L	NA	NA	NA
Vanadium	mg/L	NA	NA	NA
Zinc	mg/L	NA	NA	NA
Inorganics-Dissolved				
Aluminum (Dissolved)	mg/L	ND(0.1)	NA	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	NA	ND(0.005)
Arsenic (Dissolved)	mg/L	ND(0.001)	ND(0.005)	0.0539 (IDW)
Barium (Dissolved)	mg/L	0.331	NA	0.47
Beryllium (Dissolved)	mg/L	ND(0.005)	NA	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.0002)	NA	ND(0.0002)
Calcium (Dissolved)	mg/L	208	NA	154
Chromium Total (Dissolved)	mg/L	ND(0.05)	NA	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.05)	NA	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	NA	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA
Iron (Dissolved)	mg/L	17.3 (IDW)	15.5 (IDW)	10.5
Lead (Dissolved)	mg/L	ND(0.003)	NA	ND(0.003)
Magnesium (Dissolved)	mg/L	56.8	NA	47.3
Manganese (Dissolved)	mg/L	0.856	0.741	0.181
Mercury (Dissolved)	mg/L	ND(0.0002)	NA	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.05)	NA	ND(0.05)
Potassium (Dissolved)	mg/L	ND(5)	NA	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005)	NA	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005)	NA	ND(0.0005)
Sodium (Dissolved)	mg/L	65.3	55.5	98.1
Thallium (Dissolved)	mg/L	ND(0.002)	NA	ND(0.002)
Vanadium (Dissolved)	mg/L	ND(0.02)	NA	ND(0.02)
Zinc (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-121S1 06/13/96	Previously Proposed Type III Landfill Area MW-121S2 07/18/95	Previously Proposed Type III Landfill Area MW-121S2 06/13/96
Inorganics				
Aluminum	mg/L	NA	NA	NA
Arsenic	mg/L	NA	NA	NA
Barium	mg/L	NA	NA	NA
Cadmium	mg/L	NA	NA	NA
Calcium	mg/L	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA
Copper	mg/L	NA	NA	NA
Cyanide (total)	mg/L	NA	ND(0.00500)	NA
Iron	mg/L	NA	NA	NA
Lead	mg/L	NA	NA	NA
Magnesium	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Mercury	mg/L	NA	NA	NA
Nickel	mg/L	NA	NA	NA
Potassium	mg/L	NA	NA	NA
Selenium	mg/L	NA	NA	NA
Sodium	mg/L	NA	NA	NA
Thallium	mg/L	NA	NA	NA
Vanadium	mg/L	NA	NA	NA
Zinc	mg/L	NA	NA	NA
Inorganics-Dissolved				
Aluminum (Dissolved)	mg/L	NA	ND(0.1)	NA
Antimony (Dissolved)	mg/L	NA	ND(0.005)	NA
Arsenic (Dissolved)	mg/L	0.0497 (IDW)	0.0164 (IDW)	0.0189 (IDW)
Barium (Dissolved)	mg/L	NA	0.36	NA
Beryllium (Dissolved)	mg/L	NA	ND(0.005)	NA
Cadmium (Dissolved)	mg/L	NA	ND(0.0002)	NA
Calcium (Dissolved)	mg/L	NA	130	NA
Chromium Total (Dissolved)	mg/L	NA	ND(0.05)	NA
Cobalt (Dissolved)	mg/L	NA	ND(0.05)	NA
Copper (Dissolved)	mg/L	NA	ND(0.025)	NA
Cyanide (Dissolved)	mg/L	NA	NA	NA
Iron (Dissolved)	mg/L	9.46 J	4.09	4.2 J
Lead (Dissolved)	mg/L	NA	ND(0.003)	NA
Magnesium (Dissolved)	mg/L	NA	46.9	NA
Manganese (Dissolved)	mg/L	0.155	0.069	0.051
Mercury (Dissolved)	mg/L	NA	ND(0.0002)	NA
Nickel (Dissolved)	mg/L	NA	ND(0.05)	NA
Potassium (Dissolved)	mg/L	NA	ND(5)	NA
Selenium (Dissolved)	mg/L	NA	ND(0.005)	NA
Silver (Dissolved)	mg/L	NA	ND(0.0005)	NA
Sodium (Dissolved)	mg/L	89	152	171
Thallium (Dissolved)	mg/L	NA	ND(0.002 J)	NA
Vanadium (Dissolved)	mg/L	NA	ND(0.02)	NA
Zinc (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-121WT 07/18/95	Previously Proposed Type III Landfill Area MW-121WT 06/04/96	Previously Proposed Type III Landfill Area MW-122S1 07/18/95
Inorganics				
Aluminum	mg/L	NA	NA	NA
Arsenic	mg/L	NA	NA	NA
Barium	mg/L	NA	NA	NA
Cadmium	mg/L	NA	NA	NA
Calcium	mg/L	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA
Copper	mg/L	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500)	NA	ND(0.00500)
Iron	mg/L	NA	NA	NA
Lead	mg/L	NA	NA	NA
Magnesium	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Mercury	mg/L	NA	NA	NA
Nickel	mg/L	NA	NA	NA
Potassium	mg/L	NA	NA	NA
Selenium	mg/L	NA	NA	NA
Sodium	mg/L	NA	NA	NA
Thallium	mg/L	NA	NA	NA
Vanadium	mg/L	NA	NA	NA
Zinc	mg/L	NA	NA	NA
Inorganics-Dissolved				
Aluminum (Dissolved)	mg/L	ND(0.1)	NA	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	NA	ND(0.005)
Arsenic (Dissolved)	mg/L	0.0013	ND(0.005)	0.0017
Barium (Dissolved)	mg/L	0.267	NA	ND(0.2)
Beryllium (Dissolved)	mg/L	ND(0.005)	NA	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.0002)	NA	ND(0.0002)
Calcium (Dissolved)	mg/L	162	NA	159
Chromium Total (Dissolved)	mg/L	ND(0.05)	NA	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.05)	NA	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	NA	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA
Iron (Dissolved)	mg/L	22.7 (IDW)	20.2 J (IDW)	14.6 (IDW)
Lead (Dissolved)	mg/L	ND(0.003)	NA	ND(0.003)
Magnesium (Dissolved)	mg/L	37.8	NA	41.2
Manganese (Dissolved)	mg/L	1.12	0.84	0.86
Mercury (Dissolved)	mg/L	ND(0.0002)	NA	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.05)	NA	ND(0.05)
Potassium (Dissolved)	mg/L	ND(5)	NA	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005)	NA	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005)	NA	ND(0.0005)
Sodium (Dissolved)	mg/L	45.3	34.9	115
Thallium (Dissolved)	mg/L	ND(0.002)	NA	ND(0.002 J)
Vanadium (Dissolved)	mg/L	ND(0.02)	NA	ND(0.02)
Zinc (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-122S1 06/04/96	Previously Proposed Type III Landfill Area MW-122S2 07/18/95	Previously Proposed Type III Landfill Area MW-122S2 06/04/96
Inorganics				
Aluminum	mg/L	NA	NA	NA
Arsenic	mg/L	NA	NA	NA
Barium	mg/L	NA	NA	NA
Cadmium	mg/L	NA	NA	NA
Calcium	mg/L	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA
Copper	mg/L	NA	NA	NA
Cyanide (total)	mg/L	NA	ND(0.00500)	NA
Iron	mg/L	NA	NA	NA
Lead	mg/L	NA	NA	NA
Magnesium	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Mercury	mg/L	NA	NA	NA
Nickel	mg/L	NA	NA	NA
Potassium	mg/L	NA	NA	NA
Selenium	mg/L	NA	NA	NA
Sodium	mg/L	NA	NA	NA
Thallium	mg/L	NA	NA	NA
Vanadium	mg/L	NA	NA	NA
Zinc	mg/L	NA	NA	NA
Inorganics-Dissolved				
Aluminum (Dissolved)	mg/L	NA	ND(0.1)	NA
Antimony (Dissolved)	mg/L	NA	ND(0.005)	NA
Arsenic (Dissolved)	mg/L	NA	0.0065	NA
Barium (Dissolved)	mg/L	NA	0.202	NA
Beryllium (Dissolved)	mg/L	NA	ND(0.005)	NA
Cadmium (Dissolved)	mg/L	NA	ND(0.0002)	NA
Calcium (Dissolved)	mg/L	NA	185	NA
Chromium Total (Dissolved)	mg/L	NA	ND(0.05)	NA
Cobalt (Dissolved)	mg/L	NA	ND(0.05)	NA
Copper (Dissolved)	mg/L	NA	ND(0.025)	NA
Cyanide (Dissolved)	mg/L	NA	NA	NA
Iron (Dissolved)	mg/L	14.3 J (DW)	10.8	9.83 J
Lead (Dissolved)	mg/L	NA	ND(0.003)	NA
Magnesium (Dissolved)	mg/L	NA	44.7	NA
Manganese (Dissolved)	mg/L	0.766	0.939	0.352
Mercury (Dissolved)	mg/L	NA	ND(0.0002)	NA
Nickel (Dissolved)	mg/L	NA	ND(0.05)	NA
Potassium (Dissolved)	mg/L	NA	ND(5)	NA
Selenium (Dissolved)	mg/L	NA	ND(0.005)	NA
Silver (Dissolved)	mg/L	NA	ND(0.0005)	NA
Sodium (Dissolved)	mg/L	91.1	117	100
Thallium (Dissolved)	mg/L	NA	ND(0.002 J)	NA
Vanadium (Dissolved)	mg/L	NA	ND(0.02)	NA
Zinc (Dissolved)	mg/L	ND(0.02)	R	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area MW-122WT 07/18/95	Previously Proposed Type III Landfill Area MW-125WT 07/19/95	Previously Proposed Type III Landfill Area MW-125WT 06/04/96
Inorganics				
Aluminum	mg/L	NA	NA	NA
Arsenic	mg/L	NA	NA	NA
Barium	mg/L	NA	NA	NA
Cadmium	mg/L	NA	NA	NA
Calcium	mg/L	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA
Copper	mg/L	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500)	ND(0.00500)	NA
Iron	mg/L	NA	NA	NA
Lead	mg/L	NA	NA	NA
Magnesium	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Mercury	mg/L	NA	NA	NA
Nickel	mg/L	NA	NA	NA
Potassium	mg/L	NA	NA	NA
Selenium	mg/L	NA	NA	NA
Sodium	mg/L	NA	NA	NA
Thallium	mg/L	NA	NA	NA
Vanadium	mg/L	NA	NA	NA
Zinc	mg/L	NA	NA	NA
Inorganics-Dissolved				
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.1)	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.002	ND(0.001)	ND(0.005)
Barium (Dissolved)	mg/L	0.215	ND(0.2)	ND(0.2)
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0005)
Calcium (Dissolved)	mg/L	205	128	98.5
Chromium Total (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	ND(0.005)
Iron (Dissolved)	mg/L	16.6 (IDW)	ND(0.1)	ND(0.1 J)
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	44.7	36.3	28.3
Manganese (Dissolved)	mg/L	0.939	0.463	0.167
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Potassium (Dissolved)	mg/L	ND(5)	ND(5)	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005 J)
Sodium (Dissolved)	mg/L	38.9	24.9	16.8
Thallium (Dissolved)	mg/L	ND(0.002 J)	ND(0.002 J)	ND(0.002 J)
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	R	R	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-219S1 01/27/95	Previously Proposed Type III Landfill Area TW-219S2 01/27/95	Previously Proposed Type III Landfill Area TW-219WT 01/26/95
Inorganics				
Aluminum	mg/L	NA	NA	NA
Arsenic	mg/L	NA	NA	NA
Barium	mg/L	NA	NA	NA
Cadmium	mg/L	NA	NA	NA
Calcium	mg/L	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA
Copper	mg/L	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500 J)	ND(0.00500 J)	ND(0.00500 J)
Iron	mg/L	NA	NA	NA
Lead	mg/L	NA	NA	NA
Magnesium	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Mercury	mg/L	NA	NA	NA
Nickel	mg/L	NA	NA	NA
Potassium	mg/L	NA	NA	NA
Selenium	mg/L	NA	NA	NA
Sodium	mg/L	NA	NA	NA
Thallium	mg/L	NA	NA	NA
Vanadium	mg/L	NA	NA	NA
Zinc	mg/L	NA	NA	NA
Inorganics-Dissolved				
Aluminum (Dissolved)	mg/L	R	ND(0.1)	0.104
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.011 (IDW)	0.0234 (IDW)	0.0015
Barium (Dissolved)	mg/L	0.558	0.606	ND(0.2)
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)
Calcium (Dissolved)	mg/L	138	121	177
Chromium Total (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA
Iron (Dissolved)	mg/L	6.7	4.44	5.86
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	40.3	40.8	59.8
Manganese (Dissolved)	mg/L	0.29	0.161	0.712
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Potassium (Dissolved)	mg/L	ND(5)	ND(5)	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005 J)	ND(0.005 J)	ND(0.005 J)
Silver (Dissolved)	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)
Sodium (Dissolved)	mg/L	103	149	50.4
Thallium (Dissolved)	mg/L	ND(0.002 JW)	ND(0.002 JW)	ND(0.002 JW)
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	0.978	1.06	0.492

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-220S1 01/30/95	Previously Proposed Type III Landfill Area TW-220S2 01/30/95	Previously Proposed Type III Landfill Area TW-220S3 02/01/95
Inorganics				
Aluminum	mg/L	NA	NA	NA
Arsenic	mg/L	NA	NA	NA
Barium	mg/L	NA	NA	NA
Cadmium	mg/L	NA	NA	NA
Calcium	mg/L	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA
Copper	mg/L	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500)	ND(0.00500)	ND(0.00500)
Iron	mg/L	NA	NA	NA
Lead	mg/L	NA	NA	NA
Magnesium	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Mercury	mg/L	NA	NA	NA
Nickel	mg/L	NA	NA	NA
Potassium	mg/L	NA	NA	NA
Selenium	mg/L	NA	NA	NA
Sodium	mg/L	NA	NA	NA
Thallium	mg/L	NA	NA	NA
Vanadium	mg/L	NA	NA	NA
Zinc	mg/L	NA	NA	NA
Inorganics-Dissolved				
Aluminum (Dissolved)	mg/L	0.271 (IDW)	0.114	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.0331 (IDW)	0.0301 (IDW)	ND(0.001)
Barium (Dissolved)	mg/L	0.538	1.01	0.259
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Cadmium (Dissolved)	mg/L	0.0076 (IDW)	0.00023	ND(0.0002)
Calcium (Dissolved)	mg/L	128	120	168
Chromium Total (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA
Iron (Dissolved)	mg/L	5	0.996	13.6 (IDW)
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	35.9	41.8	52.5 J
Manganese (Dissolved)	mg/L	0.183	0.14	0.672
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002 J)
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Potassium (Dissolved)	mg/L	ND(5)	ND(5)	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005 J)	ND(0.005 J)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)
Sodium (Dissolved)	mg/L	91.8	165	67.8 J
Thallium (Dissolved)	mg/L	ND(0.002 JW)	ND(0.002 JW)	ND(0.002 JW)
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	1.02	0.596	0.098

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-220WT 01/30/95	Previously Proposed Type III Landfill Area TW-221S1 01/31/95	Previously Proposed Type III Landfill Area TW-221S2 01/31/95
Inorganics				
Aluminum	mg/L	NA	NA	NA
Arsenic	mg/L	NA	NA	NA
Barium	mg/L	NA	NA	NA
Cadmium	mg/L	NA	NA	NA
Calcium	mg/L	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA
Copper	mg/L	NA	NA	NA
Cyanide (total)	mg/L	0.00500	ND(0.00500)	ND(0.00500) [ND(0.00500)]
Iron	mg/L	NA	NA	NA
Lead	mg/L	NA	NA	NA
Magnesium	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Mercury	mg/L	NA	NA	NA
Nickel	mg/L	NA	NA	NA
Potassium	mg/L	NA	NA	NA
Selenium	mg/L	NA	NA	NA
Sodium	mg/L	NA	NA	NA
Thallium	mg/L	NA	NA	NA
Vanadium	mg/L	NA	NA	NA
Zinc	mg/L	NA	NA	NA
Inorganics-Dissolved				
Aluminum (Dissolved)	mg/L	0.107	ND(0.1)	ND(0.1) [ND(0.1)]
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]
Arsenic (Dissolved)	mg/L	0.0104 (IDW)	0.0301 (IDW)	0.0012 [0.0018]
Barium (Dissolved)	mg/L	ND(0.2)	0.375	ND(0.2) [ND(0.2)]
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]
Cadmium (Dissolved)	mg/L	0.00025	ND(0.0002)	ND(0.0002) [ND(0.0002)]
Calcium (Dissolved)	mg/L	182	122	105 [113]
Chromium Total (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05) [ND(0.05)]
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05) [ND(0.05)]
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.025) [ND(0.025)]
Cyanide (Dissolved)	mg/L	NA	NA	NA
Iron (Dissolved)	mg/L	7.1	3.3	0.169 [0.17]
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003) [ND(0.003)]
Magnesium (Dissolved)	mg/L	47.6	37.2 J	37.3 J [41.2 J]
Manganese (Dissolved)	mg/L	0.84	0.16	0.055 [0.053]
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002 J)	ND(0.0002 J) [ND(0.0002 J)]
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05) [ND(0.05)]
Potassium (Dissolved)	mg/L	ND(5)	ND(5)	ND(5) [ND(5)]
Selenium (Dissolved)	mg/L	ND(0.005 J)	ND(0.005)	ND(0.005) [ND(0.005)]
Silver (Dissolved)	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005) [ND(0.0005)]
Sodium (Dissolved)	mg/L	36.8	78.7 J	142 J [157 J]
Thallium (Dissolved)	mg/L	ND(0.002 JW)	ND(0.002 JW)	ND(0.002 JW) [ND(0.002 JW)]
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02) [ND(0.02)]
Zinc (Dissolved)	mg/L	0.709	0.83	0.461 [0.395]

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-221S3 02/01/95	Previously Proposed Type III Landfill Area TW-221S4 02/01/95	Previously Proposed Type III Landfill Area TW-221WT 01/30/95
Inorganics				
Aluminum	mg/L	NA	NA	NA
Arsenic	mg/L	NA	NA	NA
Barium	mg/L	NA	NA	NA
Cadmium	mg/L	NA	NA	NA
Calcium	mg/L	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA
Copper	mg/L	NA	NA	NA
Cyanide (total)	mg/L	0.00530	ND(0.00500)	ND(0.00500)
Iron	mg/L	NA	NA	NA
Lead	mg/L	NA	NA	NA
Magnesium	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Mercury	mg/L	NA	NA	NA
Nickel	mg/L	NA	NA	NA
Potassium	mg/L	NA	NA	NA
Selenium	mg/L	NA	NA	NA
Sodium	mg/L	NA	NA	NA
Thallium	mg/L	NA	NA	NA
Vanadium	mg/L	NA	NA	NA
Zinc	mg/L	NA	NA	NA
Inorganics-Dissolved				
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.1)	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.003	ND(0.001)	0.0043
Barium (Dissolved)	mg/L	0.222	ND(0.2)	ND(0.2)
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)
Calcium (Dissolved)	mg/L	101	123	161
Chromium Total (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA
Iron (Dissolved)	mg/L	0.173	13.5 (DW)	8.06
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	35.5 J	30.1 J	27.3
Manganese (Dissolved)	mg/L	0.076	0.866	0.775
Mercury (Dissolved)	mg/L	ND(0.0002 J)	ND(0.0002 J)	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Potassium (Dissolved)	mg/L	ND(5)	ND(5)	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005 J)	ND(0.005)	ND(0.005 J)
Silver (Dissolved)	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)
Sodium (Dissolved)	mg/L	127 J	16.6 J	17.4
Thallium (Dissolved)	mg/L	ND(0.002 JW)	ND(0.002 J)	ND(0.002)
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	0.226	0.327	0.516

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-222S1 01/31/95	Previously Proposed Type III Landfill Area TW-222S2 01/31/95	Previously Proposed Type III Landfill Area TW-222S3 01/31/95
Inorganics				
Aluminum	mg/L	NA	NA	NA
Arsenic	mg/L	NA	NA	NA
Barium	mg/L	NA	NA	NA
Cadmium	mg/L	NA	NA	NA
Calcium	mg/L	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA
Copper	mg/L	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500)	ND(0.00500)	ND(0.00500)
Iron	mg/L	NA	NA	NA
Lead	mg/L	NA	NA	NA
Magnesium	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Mercury	mg/L	NA	NA	NA
Nickel	mg/L	NA	NA	NA
Potassium	mg/L	NA	NA	NA
Selenium	mg/L	NA	NA	NA
Sodium	mg/L	NA	NA	NA
Thallium	mg/L	NA	NA	NA
Vanadium	mg/L	NA	NA	NA
Zinc	mg/L	NA	NA	NA
Inorganics-Dissolved				
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.1)	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.0341 (IDW)	0.0178 (IDW)	0.0205 (IDW)
Barium (Dissolved)	mg/L	ND(0.2)	0.239	0.2
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.0002)	0.00045	ND(0.0002)
Calcium (Dissolved)	mg/L	120	122	120
Chromium Total (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA
Iron (Dissolved)	mg/L	5.05	1.29	1.75
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	37.8 J	42.1 J	38.4 J
Manganese (Dissolved)	mg/L	0.119	0.108	0.132
Mercury (Dissolved)	mg/L	ND(0.0002 J)	ND(0.0002 J)	ND(0.0002 J)
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Potassium (Dissolved)	mg/L	ND(5)	ND(5)	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)
Sodium (Dissolved)	mg/L	106 J	126 J	103 J
Thallium (Dissolved)	mg/L	ND(0.002 JW)	ND(0.002 JW)	ND(0.002 JW)
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	R	R	R

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area TW-222WT 01/31/95	Previously Proposed Type III Landfill Area TW-227WT 02/03/95	Previously Proposed Type III Landfill Area X-13AR 07/18/95
Inorganics				
Aluminum	mg/L	NA	NA	NA
Arsenic	mg/L	NA	NA	NA
Barium	mg/L	NA	NA	NA
Cadmium	mg/L	NA	NA	NA
Calcium	mg/L	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA
Copper	mg/L	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500)	ND(0.00500 J)	ND(0.00500)
Iron	mg/L	NA	NA	NA
Lead	mg/L	NA	NA	NA
Magnesium	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Mercury	mg/L	NA	NA	NA
Nickel	mg/L	NA	NA	NA
Potassium	mg/L	NA	NA	NA
Selenium	mg/L	NA	NA	NA
Sodium	mg/L	NA	NA	NA
Thallium	mg/L	NA	NA	NA
Vanadium	mg/L	NA	NA	NA
Zinc	mg/L	NA	NA	NA
Inorganics-Dissolved				
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.1)	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	ND(0.001)	ND(0.001 J)	ND(0.001)
Barium (Dissolved)	mg/L	ND(0.2)	ND(0.2)	0.32
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.0002)	0.0032	ND(0.0002)
Calcium (Dissolved)	mg/L	130	153	230
Chromium Total (Dissolved)	mg/L	ND(0.05)	ND(0.05 J)	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA
Iron (Dissolved)	mg/L	7.32	ND(0.1)	9.96
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	30.1 J	38.1	72.8
Manganese (Dissolved)	mg/L	0.642	0.109	0.862
Mercury (Dissolved)	mg/L	ND(0.0002 J)	ND(0.0002)	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Potassium (Dissolved)	mg/L	ND(5)	ND(5)	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005 J)	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005)	ND(0.0005)	ND(0.001 *)
Sodium (Dissolved)	mg/L	71.1 J	18.3	70.5
Thallium (Dissolved)	mg/L	ND(0.002 JW)	ND(0.002 J)	ND(0.002)
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	0.42	0.02	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area X-13B 07/18/95	Previously Proposed Type III Landfill Area X-13CAUG 07/18/95	Previously Proposed Type III Landfill Area X-14A 07/18/95
Inorganics				
Aluminum	mg/L	NA	NA	NA
Arsenic	mg/L	NA	NA	NA
Barium	mg/L	NA	NA	NA
Cadmium	mg/L	NA	NA	NA
Calcium	mg/L	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA
Copper	mg/L	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500)	ND(0.00500)	ND(0.00500)
Iron	mg/L	NA	NA	NA
Lead	mg/L	NA	NA	NA
Magnesium	mg/L	NA	NA	NA
Manganese	mg/L	NA	NA	NA
Mercury	mg/L	NA	NA	NA
Nickel	mg/L	NA	NA	NA
Potassium	mg/L	NA	NA	NA
Selenium	mg/L	NA	NA	NA
Sodium	mg/L	NA	NA	NA
Thallium	mg/L	NA	NA	NA
Vanadium	mg/L	NA	NA	NA
Zinc	mg/L	NA	NA	NA
Inorganics-Dissolved				
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.1)	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.0221 (IDW)	0.0176 (IDW)	0.0042
Barium (Dissolved)	mg/L	0.45	0.496	ND(0.2)
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Cadmium (Dissolved)	mg/L	0.001	ND(0.0002)	ND(0.0002)
Calcium (Dissolved)	mg/L	139	133	156
Chromium Total (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA
Iron (Dissolved)	mg/L	8.16	4.11	11.8
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	43	43.8	39.5
Manganese (Dissolved)	mg/L	0.248	0.113	0.583
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Potassium (Dissolved)	mg/L	ND(5)	ND(5)	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005)	ND(0.0005 J)	ND(0.0005)
Sodium (Dissolved)	mg/L	99.6	175	81.9
Thallium (Dissolved)	mg/L	ND(0.002)	ND(0.002 J)	ND(0.002)
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Previously Proposed Type III Landfill Area X-14B 07/18/95	Previously Proposed Type III Landfill Area X-14CAUG 07/18/95	Saginaw River Area X-4AR 07/24/95	Saginaw River Area X-4AR 06/09/96	Saginaw River Area X-4AR 05/21/00
Inorganics						
Aluminum	mg/L	NA	NA	42.6 (IDW)	ND(0.315)	0.134
Arsenic	mg/L	NA	NA	0.0127 (IDW)	ND(0.00500)	ND(0.0100)
Barium	mg/L	NA	NA	0.431	ND(0.200)	0.0733 B
Cadmium	mg/L	NA	NA	0.00200 J	ND(0.000500)	ND(0.00100)
Calcium	mg/L	NA	NA	481	173	159
Chromium Total	mg/L	NA	NA	0.0700	ND(0.0500)	ND(0.00500)
Copper	mg/L	NA	NA	0.0600	ND(0.0250)	ND(0.0250)
Cyanide (total)	mg/L	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)	NA
Iron	mg/L	NA	NA	72.4 (IDW)	0.399	ND(0.193)
Lead	mg/L	NA	NA	0.0274 (IDW)	ND(0.00300)	ND(0.00300)
Magnesium	mg/L	NA	NA	141	32.1	29.0
Manganese	mg/L	NA	NA	1.50	0.0419	ND(0.0150)
Mercury	mg/L	NA	NA	ND(0.000200 J)	ND(0.000200)	ND(0.000200)
Nickel	mg/L	NA	NA	0.0530	ND(0.0500)	ND(0.0400)
Potassium	mg/L	NA	NA	7.51	ND(5.00)	1.80 BJ
Selenium	mg/L	NA	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)
Sodium	mg/L	NA	NA	20.7	21.9	20.7
Thallium	mg/L	NA	NA	ND(0.00200 J)	ND(0.00200 J)	0.00730 B (IDW)
Vanadium	mg/L	NA	NA	0.0832 (IDW)	ND(0.0200)	ND(0.0200)
Zinc	mg/L	NA	NA	4.17	ND(0.0677)	ND(0.0200)
Inorganics-Dissolved						
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.1)	0.113	ND(0.151)	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.0159 (IDW)	0.0199 (IDW)	0.0012	ND(0.005)	ND(0.01)
Barium (Dissolved)	mg/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.0739 B
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.004)
Cadmium (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0005 J)	ND(0.001)
Calcium (Dissolved)	mg/L	140	130	149	176	162
Chromium Total (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.005)
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.01)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA	ND(0.005)	NA
Iron (Dissolved)	mg/L	13.4 (IDW)	8.39	1.08	0.289	ND(0.1)
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	42.6	46.4	29.9	32.9	29.5
Manganese (Dissolved)	mg/L	0.347	0.156	0.248	0.0444	ND(0.015)
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002 J)	ND(0.0002)	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.04)
Potassium (Dissolved)	mg/L	ND(5)	ND(5)	ND(5)	ND(5)	1.74 BJ
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005 J)	ND(0.0005)	ND(0.005)
Sodium (Dissolved)	mg/L	100	131	18.1	22.9	20.9
Thallium (Dissolved)	mg/L	ND(0.002 J)	ND(0.002 J)	ND(0.002)	ND(0.002 J)	0.0046 B (IDW)
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	R	ND(0.02)	0.341	ND(0.0706)	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Date Collected:	Units	Saginaw River Area X-4AR 06/03/04	Saginaw River Area X-4CAUG 07/24/95	Saginaw River Area X-4CAUG 06/08/96	Saginaw River Area X-9AR 07/24/95	Saginaw River Area X-9AR 06/09/96	Saginaw River Area X-9AR 12/15/06	Saginaw River Area X-9BR 07/24/95
Inorganics								
Aluminum	mg/L	NA	NA	NA	0.797 (IDW)	ND(0.430)	ND(0.200)	NA
Arsenic	mg/L	NA	NA	NA	0.00160	ND(0.00500)	ND(0.00500)	NA
Barium	mg/L	NA	NA	NA	ND(0.200)	ND(0.200)	0.0940 J	NA
Cadmium	mg/L	NA	NA	NA	ND(0.000200 J)	ND(0.000500 J)	ND(0.00100)	NA
Calcium	mg/L	NA	NA	NA	164	146	168	NA
Chromium Total	mg/L	NA	NA	NA	ND(0.0500)	ND(0.0500)	ND(0.00500)	NA
Copper	mg/L	NA	NA	NA	ND(0.0250)	ND(0.0250)	0.00180 J	NA
Cyanide (total)	mg/L	NA	ND(0.00500)	NA	ND(0.00500)	ND(0.00500)	NA	ND(0.00500)
Iron	mg/L	NA	NA	NA	11.1	2.90	1.09	NA
Lead	mg/L	NA	NA	NA	ND(0.00300)	ND(0.00300)	ND(0.00300)	NA
Magnesium	mg/L	NA	NA	NA	42.6	37.2	43.4	NA
Manganese	mg/L	NA	NA	NA	0.770	0.348	0.157	NA
Mercury	mg/L	NA	NA	NA	ND(0.000200 J)	ND(0.000200)	ND(0.000200)	NA
Nickel	mg/L	NA	NA	NA	ND(0.0500)	ND(0.0500)	ND(0.0200)	NA
Potassium	mg/L	NA	NA	NA	ND(5.00)	ND(5.00)	ND(1.00)	NA
Selenium	mg/L	NA	NA	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)	NA
Sodium	mg/L	NA	NA	NA	340	57.2	55.0	NA
Thallium	mg/L	ND(0.00100)	NA	NA	ND(0.00200 J)	ND(0.00200 J)	ND(0.00100)	NA
Vanadium	mg/L	NA	NA	NA	ND(0.0200)	ND(0.0200)	ND(0.00400)	NA
Zinc	mg/L	NA	NA	NA	0.0840	ND(0.0200)	ND(0.0200)	NA
Inorganics-Dissolved								
Aluminum (Dissolved)	mg/L	NA	0.103	ND(0.1)	0.11	ND(0.1)	ND(0.2)	ND(0.1)
Antimony (Dissolved)	mg/L	NA	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.002)	ND(0.005)
Arsenic (Dissolved)	mg/L	NA	ND(0.001 J)	ND(0.005)	0.0021	ND(0.005)	ND(0.005)	ND(0.001 J)
Barium (Dissolved)	mg/L	NA	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.0912 J	ND(0.2)
Beryllium (Dissolved)	mg/L	NA	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.001)	ND(0.005)
Cadmium (Dissolved)	mg/L	NA	ND(0.0002)	0.00063	ND(0.0002)	ND(0.0005 J)	ND(0.001)	ND(0.0002)
Calcium (Dissolved)	mg/L	NA	88.5	89	145	144	166	118
Chromium Total (Dissolved)	mg/L	NA	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.005)	ND(0.05)
Cobalt (Dissolved)	mg/L	NA	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.007)	ND(0.05)
Copper (Dissolved)	mg/L	NA	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	0.00059 J	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	ND(0.005 J)	NA	ND(0.005 J)	ND(0.01)	NA
Iron (Dissolved)	mg/L	NA	1.97	1.98	9.17	3.19	0.965	3.36
Lead (Dissolved)	mg/L	NA	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	NA	23.9	23.5	38.7	36.3	42.9	37.6
Manganese (Dissolved)	mg/L	NA	0.447	0.464	0.674	0.382	0.153	0.763
Mercury (Dissolved)	mg/L	NA	ND(0.0002 J)	ND(0.0002)	ND(0.0002 J)	ND(0.0002)	ND(0.0002)	ND(0.0002 J)
Nickel (Dissolved)	mg/L	NA	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.02)	ND(0.05)
Potassium (Dissolved)	mg/L	NA	ND(5)	ND(5)	ND(5)	ND(5)	ND(1)	ND(5)
Selenium (Dissolved)	mg/L	NA	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	NA	ND(0.0005 J)	ND(0.0005)	ND(0.0005 J)	ND(0.0005)	ND(0.0002 J)	ND(0.0005 J)
Sodium (Dissolved)	mg/L	NA	65.4	79.1	37.6	57	54.5	64
Thallium (Dissolved)	mg/L	NA	ND(0.002 J)	ND(0.004 J)	ND(0.002 J)	ND(0.004 J)	ND(0.001)	ND(0.002 J)
Vanadium (Dissolved)	mg/L	NA	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.004)	ND(0.02)
Zinc (Dissolved)	mg/L	NA	0.02	ND(0.02 J)	0.051	ND(0.0355)	ND(0.02)	0.025

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Saginaw River Area X-9BR 06/08/96	Saginaw River Area X-9BR 12/15/06	Saginaw River Area X-9CAUG 07/24/95	Saginaw River Area X-9CAUG 06/08/96	Southern Drainage Channels MW-1A 07/17/95	Southern Drainage Channels MW-1B 07/15/95
Inorganics							
Aluminum	mg/L	NA	ND(0.200) [ND(0.200)]	NA	NA	NA	NA
Arsenic	mg/L	NA	ND(0.00500) [ND(0.00500)]	NA	NA	NA	NA
Barium	mg/L	NA	0.143 [0.148]	NA	NA	NA	NA
Cadmium	mg/L	NA	ND(0.00100) [ND(0.00100)]	NA	NA	NA	NA
Calcium	mg/L	NA	117 [121]	NA	NA	NA	NA
Chromium Total	mg/L	NA	ND(0.00500) [ND(0.00500)]	NA	NA	NA	NA
Copper	mg/L	NA	ND(0.00200) [0.000580 J]	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	ND(0.00500)	NA	ND(0.00500) [ND(0.00500)]	ND(0.00500)
Iron	mg/L	NA	3.07 [3.12]	NA	NA	NA	NA
Lead	mg/L	NA	ND(0.00300) [ND(0.00300)]	NA	NA	NA	NA
Magnesium	mg/L	NA	36.4 [37.6]	NA	NA	NA	NA
Manganese	mg/L	NA	0.777 [0.801]	NA	NA	NA	NA
Mercury	mg/L	NA	ND(0.000200) [ND(0.000200)]	NA	NA	NA	NA
Nickel	mg/L	NA	ND(0.0200) [ND(0.0200)]	NA	NA	NA	NA
Potassium	mg/L	NA	1.37 [1.37]	NA	NA	NA	NA
Selenium	mg/L	NA	ND(0.00500) [ND(0.00500)]	NA	NA	NA	NA
Sodium	mg/L	NA	102 [102]	NA	NA	NA	NA
Thallium	mg/L	NA	ND(0.00100) [ND(0.00100)]	NA	NA	NA	NA
Vanadium	mg/L	NA	ND(0.00400) [ND(0.00400)]	NA	NA	NA	NA
Zinc	mg/L	NA	ND(0.0200) [ND(0.0200)]	NA	NA	NA	NA
Inorganics-Dissolved							
Aluminum (Dissolved)	mg/L	0.101	ND(0.2)	0.156	ND(0.1)	NA	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.002)	ND(0.005)	ND(0.005)	0.0052 [ND(0.005)]	ND(0.005)
Arsenic (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.001 J)	ND(0.005)	0.0014 [ND(0.001)]	0.0022
Barium (Dissolved)	mg/L	ND(0.2)	0.153	ND(0.2)	ND(0.2)	ND(0.2) [ND(0.2)]	ND(0.2)
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.001)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.0005 J)	ND(0.001)	ND(0.0002)	ND(0.0005)	ND(0.0002 J) [ND(0.0002 J)]	0.00084
Calcium (Dissolved)	mg/L	130	112	122	132	NA	114
Chromium Total (Dissolved)	mg/L	ND(0.05)	ND(0.005)	ND(0.05)	ND(0.05)	ND(0.05) [ND(0.05)]	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.007)	ND(0.05)	ND(0.05)	ND(0.05) [ND(0.05)]	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.002)	ND(0.025)	ND(0.025)	ND(0.025) [ND(0.025)]	ND(0.025)
Cyanide (Dissolved)	mg/L	ND(0.005 J)	ND(0.01)	NA	ND(0.005 J)	NA	NA
Iron (Dissolved)	mg/L	2.49	4.45	7.5	8.9	NA	9.59 J
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003) [ND(0.003)]	ND(0.003)
Magnesium (Dissolved)	mg/L	42.6	34.5	38.5	40	NA	38.3
Manganese (Dissolved)	mg/L	0.813	0.717	0.628	0.615	NA	0.463
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	ND(0.0002 J)	ND(0.0002)	ND(0.0002) [ND(0.0002)]	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.02)	ND(0.05)	ND(0.05)	ND(0.05) [ND(0.05)]	ND(0.05)
Potassium (Dissolved)	mg/L	ND(5)	1.48	ND(5)	ND(5)	NA	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.0057)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005)	ND(0.0002 J)	ND(0.0005)	ND(0.0005)	ND(0.0005) [ND(0.0005)]	ND(0.0005)
Sodium (Dissolved)	mg/L	48.8	125	47.2	47	NA	115
Thallium (Dissolved)	mg/L	ND(0.004 J)	ND(0.001)	ND(0.002)	ND(0.002 J)	ND(0.002 J) [ND(0.002 J)]	ND(0.002)
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.004)	ND(0.02)	ND(0.02)	ND(0.02) [ND(0.02)]	ND(0.02)
Zinc (Dissolved)	mg/L	ND(0.02 J)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02) [ND(0.02)]	R

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-1CAUG 07/15/95	Southern Drainage Channels MW-117S1 06/20/95	Southern Drainage Channels MW-117S1 06/11/96	Southern Drainage Channels MW-117S1 05/19/00	Southern Drainage Channels MW-117S1 06/19/01
Inorganics						
Aluminum	mg/L	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500)	ND(0.00500)	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA	ND(0.000200 J)
Nickel	mg/L	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA
Inorganics-Dissolved						
Aluminum (Dissolved)	mg/L	ND(0.1)	0.117	0.12	ND(0.1)	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.0013	0.0012	NA	ND(0.01)	ND(0.01)
Barium (Dissolved)	mg/L	ND(0.2)	1.41	1.67	1.72	1.74
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	NA	ND(0.004)	ND(0.004)
Cadmium (Dissolved)	mg/L	ND(0.0002)	ND(0.0002)	NA	ND(0.001)	ND(0.001)
Calcium (Dissolved)	mg/L	129	133 J	NA	163	157
Chromium Total (Dissolved)	mg/L	ND(0.05)	ND(0.05)	NA	ND(0.005)	ND(0.005)
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.05)	NA	ND(0.04)	ND(0.04)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	NA	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA	ND(0.005)	ND(0.005)
Iron (Dissolved)	mg/L	3.99 J	5.78	8.26	8.73	9.12
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003 J)	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	48.2	42.5	50.4	52.1	51.7
Manganese (Dissolved)	mg/L	0.148	0.347	0.33	0.341	0.34
Mercury (Dissolved)	mg/L	ND(0.0002)	ND(0.0002 J)	NA	ND(0.0002)	NA
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.04)	ND(0.04)
Potassium (Dissolved)	mg/L	ND(5)	ND(5)	NA	2.33 B	2.27 BJ
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005 J)	NA	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005)	ND(0.0005)	NA	ND(0.005)	ND(0.005)
Sodium (Dissolved)	mg/L	233	101	108	120	121
Thallium (Dissolved)	mg/L	ND(0.002 J)	ND(0.002 J)	NA	0.005 B (IDW)	ND(0.01)
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.02)	NA	ND(0.05)	ND(0.05)
Zinc (Dissolved)	mg/L	ND(0.02)	R	ND(0.02)	ND(0.02)	0.0123 B

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-117S1 06/26/02	Southern Drainage Channels MW-117S1 06/19/03	Southern Drainage Channels MW-117S1 05/27/04	Southern Drainage Channels MW-117S1 06/23/05	Southern Drainage Channels MW-117S2 06/20/95
Inorganics						
Aluminum	mg/L	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	NA	ND(0.00500)
Iron	mg/L	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA
Inorganics-Dissolved						
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	0.117
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.002)	ND(0.005)
Arsenic (Dissolved)	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	0.0027	0.0082
Barium (Dissolved)	mg/L	1.74	1.8	1.78	1.53 J	0.614
Beryllium (Dissolved)	mg/L	ND(0.004)	ND(0.004)	ND(0.004)	ND(0.001)	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0005)	ND(0.0002)
Calcium (Dissolved)	mg/L	156	171	167 J	165 J	99.3 J
Chromium Total (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.002)	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.04)	ND(0.04)	ND(0.04)	0.00075 B	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.025)	0.00056 BJ	ND(0.025)
Cyanide (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.01)	NA
Iron (Dissolved)	mg/L	8.65	9.16	10.1	8.15	3.44
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	0.00038 B	ND(0.003 J)
Magnesium (Dissolved)	mg/L	49.4	52.9	51.8 J	52.6	36.2
Manganese (Dissolved)	mg/L	0.326	0.354	0.326 J	0.289 J	0.13
Mercury (Dissolved)	mg/L	ND(0.0002 J)	ND(0.0002 J)	ND(0.0002)	ND(0.0002)	ND(0.0002 J)
Nickel (Dissolved)	mg/L	ND(0.04)	ND(0.04)	ND(0.04)	0.0023	ND(0.05)
Potassium (Dissolved)	mg/L	2.49 BJ	2.54 B	2.33 J	2.39 B	36.7
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	0.0054	ND(0.005 J)
Silver (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.0005)	ND(0.0005)
Sodium (Dissolved)	mg/L	114	118	115	118	163
Thallium (Dissolved)	mg/L	ND(0.01 J)	ND(0.01)	ND(0.01)	0.00039 B	ND(0.002 J)
Vanadium (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.005)	ND(0.02)
Zinc (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)	0.0547 J	R

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-117S2 06/11/96	Southern Drainage Channels MW-117S2 12/13/06	Southern Drainage Channels MW-117WT 06/20/95	Southern Drainage Channels MW-117WT 06/11/96	Southern Drainage Channels MW-117WT 05/19/00
Inorganics						
Aluminum	mg/L	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	ND(0.00500)	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA
Inorganics-Dissolved						
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.2)	0.35 (IDW)	ND(0.1)	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.002)	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	NA	0.0135 (IDW)	0.0013	NA	ND(0.01)
Barium (Dissolved)	mg/L	0.852	1.09	2.21 (IDW)	2.52 (IDW)	3.58 (IDW)
Beryllium (Dissolved)	mg/L	NA	ND(0.001)	ND(0.005)	NA	ND(0.004)
Cadmium (Dissolved)	mg/L	NA	ND(0.001)	ND(0.0002)	NA	ND(0.001)
Calcium (Dissolved)	mg/L	NA	127	1,340 J	NA	1,200
Chromium Total (Dissolved)	mg/L	NA	ND(0.005)	ND(0.05)	NA	ND(0.005)
Cobalt (Dissolved)	mg/L	NA	ND(0.007)	ND(0.05)	NA	ND(0.04)
Copper (Dissolved)	mg/L	NA	0.00077 J	ND(0.025)	NA	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	ND(0.01)	NA	NA	ND(0.005)
Iron (Dissolved)	mg/L	7.3	7.54	100 (IDW)	124 (IDW)	149 (IDW)
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003 J)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	50.8	45.1	485	545	593
Manganese (Dissolved)	mg/L	0.0934	0.084	5.13 (IDW)	5.19 (IDW)	5.51 (IDW)
Mercury (Dissolved)	mg/L	NA	ND(0.0002)	ND(0.0002 J)	NA	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.02)	ND(0.05)	ND(0.05)	0.0233 B
Potassium (Dissolved)	mg/L	NA	3.1	6.96	NA	41.3
Selenium (Dissolved)	mg/L	NA	ND(0.005)	ND(0.005 J)	NA	ND(0.005)
Silver (Dissolved)	mg/L	NA	R	ND(0.0005)	NA	ND(0.005)
Sodium (Dissolved)	mg/L	168	195	463 (IDW)	499 (IDW)	590 (IDW)
Thallium (Dissolved)	mg/L	NA	ND(0.001)	ND(0.004 J)	NA	0.0179 (IDW)
Vanadium (Dissolved)	mg/L	NA	ND(0.004)	ND(0.02)	NA	ND(0.05)
Zinc (Dissolved)	mg/L	ND(0.02)	ND(0.02)	R	ND(0.02)	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-117WT 06/18/01	Southern Drainage Channels MW-117WT 06/26/02	Southern Drainage Channels MW-117WT 06/19/03	Southern Drainage Channels MW-117WT 12/09/04	Southern Drainage Channels MW-117WT 06/23/05
Inorganics						
Aluminum	mg/L	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA
Mercury	mg/L	ND(0.000200 J)	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA
Inorganics-Dissolved						
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	NA	ND(0.2)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.002) [ND(0.002)]	0.00029 B
Arsenic (Dissolved)	mg/L	ND(0.01)	0.0022 B	ND(0.01)	0.0041 [0.0046 J]	0.0045
Barium (Dissolved)	mg/L	3.17 (IDW)	2.97 (IDW)	3.25 (IDW)	3.11 J (IDW) [2.88 J (IDW)]	2.36 J (IDW)
Beryllium (Dissolved)	mg/L	ND(0.004)	ND(0.004)	ND(0.004)	ND(0.001) [ND(0.001)]	ND(0.001)
Cadmium (Dissolved)	mg/L	0.0018	ND(0.001)	0.0038	ND(0.0005) [ND(0.0005)]	ND(0.0005)
Calcium (Dissolved)	mg/L	1,090	1,110	1,160	NA	896 J
Chromium Total (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.002) [ND(0.002)]	0.0012 B
Cobalt (Dissolved)	mg/L	ND(0.04)	ND(0.04)	ND(0.04)	0.0036 [0.0023]	0.0025
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.0031) [ND(0.0027)]	0.0027 J
Cyanide (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.01) [ND(0.01)]	ND(0.01)
Iron (Dissolved)	mg/L	137 (IDW)	128 (IDW)	139 (IDW)	143 J (IDW) [125 J (IDW)]	122 (IDW)
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.001) [ND(0.001)]	ND(0.001)
Magnesium (Dissolved)	mg/L	550	518	584	NA	471
Manganese (Dissolved)	mg/L	4.9 (IDW)	4.85 (IDW)	5.48 (IDW)	5.15 J (IDW) [3.97 J (IDW)]	3.81 J (IDW)
Mercury (Dissolved)	mg/L	NA	ND(0.0002 J)	ND(0.0002 J)	ND(0.0002) [ND(0.0002)]	ND(0.0002)
Nickel (Dissolved)	mg/L	0.0182 B	0.018 B	0.0197 B	0.0335 J [0.0291 J]	0.0252
Potassium (Dissolved)	mg/L	39.8 J	40.5 J	47	NA	42.8
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	0.014 J [0.0143 J]	0.0161
Silver (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.0005) [ND(0.0005 J)]	ND(0.0005)
Sodium (Dissolved)	mg/L	559 (IDW)	539 (IDW)	628 (IDW)	NA	564 (IDW)
Thallium (Dissolved)	mg/L	ND(0.01)	0.0089 BJ (IDW)	ND(0.01)	ND(0.001) [ND(0.001)]	ND(0.001)
Vanadium (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.005) [ND(0.005)]	ND(0.005)
Zinc (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.054) [ND(0.0558 J)]	0.0704 J

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-117WT 12/13/06	Southern Drainage Channels MW-118S1 06/20/95	Southern Drainage Channels MW-118S1 06/11/96	Southern Drainage Channels MW-118S1 05/17/00	Southern Drainage Channels MW-118S1 06/19/01
Inorganics						
Aluminum	mg/L	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	ND(0.00500)	NA	NA	NA
Iron	mg/L	NA	NA	4.97	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	0.372	NA	NA
Mercury	mg/L	NA	NA	NA	NA	ND(0.000200 J)
Nickel	mg/L	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA
Inorganics-Dissolved						
Aluminum (Dissolved)	mg/L	ND(0.2)	0.219	ND(0.1)	ND(0.1) [ND(0.1)]	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.002)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)
Arsenic (Dissolved)	mg/L	ND(0.005)	0.0018	NA	ND(0.01) [ND(0.01)]	ND(0.01)
Barium (Dissolved)	mg/L	2.71 (IDW)	0.482	0.532	0.593 [0.612]	0.645
Beryllium (Dissolved)	mg/L	ND(0.001)	ND(0.005)	NA	ND(0.004) [ND(0.004)]	ND(0.004)
Cadmium (Dissolved)	mg/L	ND(0.001)	ND(0.0002)	NA	ND(0.001) [ND(0.001)]	ND(0.001)
Calcium (Dissolved)	mg/L	788	120 J	NA	156 [156]	151
Chromium Total (Dissolved)	mg/L	ND(0.005)	ND(0.05)	NA	ND(0.005) [ND(0.005)]	ND(0.005)
Cobalt (Dissolved)	mg/L	ND(0.007)	ND(0.05)	NA	ND(0.04) [ND(0.04)]	ND(0.04)
Copper (Dissolved)	mg/L	0.0024	ND(0.025)	NA	ND(0.025) [ND(0.025)]	ND(0.025)
Cyanide (Dissolved)	mg/L	ND(0.01)	NA	NA	ND(0.005) [ND(0.005)]	ND(0.005)
Iron (Dissolved)	mg/L	105 (IDW)	2.5	5.39	6.09 [6.15]	7.07
Lead (Dissolved)	mg/L	0.0019 J	ND(0.003 J)	ND(0.003)	ND(0.003) [ND(0.003)]	ND(0.003)
Magnesium (Dissolved)	mg/L	387	38.1	47	49.3 [49.8]	49.4
Manganese (Dissolved)	mg/L	4 (IDW)	0.347	0.383	0.42 [0.415]	0.428
Mercury (Dissolved)	mg/L	0.00011 J	ND(0.0002 J)	NA	ND(0.0002) [ND(0.0002)]	NA
Nickel (Dissolved)	mg/L	0.0187 J	ND(0.05)	ND(0.05)	ND(0.04) [ND(0.04)]	ND(0.04)
Potassium (Dissolved)	mg/L	44.7	ND(5)	NA	2.17 B [2.18 B]	2.12 BJ
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005 J)	NA	ND(0.005) [ND(0.005)]	ND(0.005)
Silver (Dissolved)	mg/L	R	ND(0.0005)	NA	ND(0.005) [ND(0.005)]	ND(0.005)
Sodium (Dissolved)	mg/L	531 (IDW)	97.3	112	121 [122]	117
Thallium (Dissolved)	mg/L	ND(0.001)	ND(0.002 J)	NA	0.0081 B (IDW) [0.0054 B (IDW)]	ND(0.01)
Vanadium (Dissolved)	mg/L	ND(0.004)	ND(0.02)	NA	ND(0.05) [ND(0.05)]	ND(0.05)
Zinc (Dissolved)	mg/L	ND(0.02)	R	ND(0.0358)	ND(0.02) [ND(0.02)]	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-118S1 06/27/02	Southern Drainage Channels MW-118S1 06/19/03	Southern Drainage Channels MW-118S1 12/09/04	Southern Drainage Channels MW-118S1 06/23/05	Southern Drainage Channels MW-118S1 12/14/06
Inorganics						
Aluminum	mg/L	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA
Inorganics-Dissolved						
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.1)	NA	ND(0.2)	ND(0.2)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.002)	ND(0.002)	ND(0.002)
Arsenic (Dissolved)	mg/L	ND(0.01)	ND(0.01)	0.0023 J	0.0019 B	ND(0.005)
Barium (Dissolved)	mg/L	0.622	0.713	0.718 J	0.676 JE	0.727
Beryllium (Dissolved)	mg/L	ND(0.004)	ND(0.004)	ND(0.001)	ND(0.001)	ND(0.001)
Cadmium (Dissolved)	mg/L	ND(0.001)	ND(0.001)	ND(0.0005)	ND(0.0005)	ND(0.001)
Calcium (Dissolved)	mg/L	151	172	NA	160 J	145
Chromium Total (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.002)	ND(0.002)	ND(0.005)
Cobalt (Dissolved)	mg/L	ND(0.04)	ND(0.04)	ND(0.001)	0.00068 B	ND(0.007)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.002)	ND(0.002)	ND(0.002)
Cyanide (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.01)	ND(0.01)	ND(0.01)
Iron (Dissolved)	mg/L	6.07	7.57	7.42 J	6.63	5.93
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.001)	ND(0.001)	ND(0.003)
Magnesium (Dissolved)	mg/L	47.9	53.7	NA	50.9	46.1
Manganese (Dissolved)	mg/L	0.408	0.476	0.405 J	0.37 J	0.401
Mercury (Dissolved)	mg/L	ND(0.0002 J)	ND(0.0002 J)	ND(0.0002)	ND(0.0002)	ND(0.0002)
Nickel (Dissolved)	mg/L	ND(0.04)	ND(0.04)	ND(0.0031 J)	0.0023	ND(0.02)
Potassium (Dissolved)	mg/L	2.38 BJ	2.51 B	NA	2.52 BE	2.4
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	0.0059 J	0.0035	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.0005 J)	ND(0.0005)	ND(0.0002 J)
Sodium (Dissolved)	mg/L	112	118	NA	112	115
Thallium (Dissolved)	mg/L	ND(0.01 J)	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)
Vanadium (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.005)	ND(0.005)	ND(0.004)
Zinc (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.0207 J)	0.0258 J	ND(0.02)

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-118S2 06/20/95	Southern Drainage Channels MW-118S2 06/11/96	Southern Drainage Channels MW-118S2 05/18/00	Southern Drainage Channels MW-118S2 12/14/06	Southern Drainage Channels MW-118WT 06/20/95
Inorganics						
Aluminum	mg/L	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500) [ND(0.00500)]	NA	NA	NA	ND(0.00500)
Iron	mg/L	NA	2.48	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA
Manganese	mg/L	NA	0.0734	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA
Inorganics-Dissolved						
Aluminum (Dissolved)	mg/L	0.227 [0.175]	ND(0.1)	NA	ND(0.2)	0.563 (IDW)
Antimony (Dissolved)	mg/L	ND(0.005) [ND(0.005)]	ND(0.005)	NA	ND(0.002)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.0084 [0.0087]	NA	NA	0.0068	0.001
Barium (Dissolved)	mg/L	0.241 [0.255]	0.221	NA	0.229	1.97
Beryllium (Dissolved)	mg/L	ND(0.005) [ND(0.005)]	NA	NA	ND(0.001)	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.0002) [ND(0.0002)]	NA	NA	ND(0.001)	ND(0.0002)
Calcium (Dissolved)	mg/L	104 J [112 J]	NA	NA	105	1,950 J
Chromium Total (Dissolved)	mg/L	ND(0.05) [ND(0.05)]	NA	NA	ND(0.005)	ND(0.05)
Cobalt (Dissolved)	mg/L	ND(0.05) [ND(0.05)]	NA	NA	ND(0.007)	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025) [ND(0.025)]	NA	NA	0.00062 J	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA	ND(0.01)	NA
Iron (Dissolved)	mg/L	1.89 [2.02]	2.45	2.3	2.16	71.5 (IDW)
Lead (Dissolved)	mg/L	ND(0.003 J) [ND(0.003 J)]	ND(0.003)	NA	ND(0.003)	ND(0.003 J)
Magnesium (Dissolved)	mg/L	38.7 [40.8]	44.1	NA	40.2	372
Manganese (Dissolved)	mg/L	0.0802 [0.0926]	0.0761	0.07	0.0761	5.46 (IDW)
Mercury (Dissolved)	mg/L	ND(0.0002 J) [ND(0.0002 J)]	NA	NA	ND(0.0002)	ND(0.0002 J)
Nickel (Dissolved)	mg/L	ND(0.05) [ND(0.05)]	ND(0.05)	NA	ND(0.02)	ND(0.05)
Potassium (Dissolved)	mg/L	ND(5) [ND(5)]	NA	NA	3.34	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005 J) [ND(0.005 J)]	NA	NA	ND(0.005)	ND(0.005 J)
Silver (Dissolved)	mg/L	ND(0.0005) [0.0005]	NA	NA	ND(0.0002 J)	ND(0.0005)
Sodium (Dissolved)	mg/L	198 [204]	201	NA	272	175
Thallium (Dissolved)	mg/L	ND(0.002 J) [ND(0.002 J)]	NA	NA	0.000025 J	ND(0.002 J)
Vanadium (Dissolved)	mg/L	ND(0.02) [ND(0.02)]	NA	NA	ND(0.004)	ND(0.02)
Zinc (Dissolved)	mg/L	ND(0.02) [R]	ND(0.02)	NA	ND(0.02)	R

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-118WT 06/11/96	Southern Drainage Channels MW-118WT 05/17/00	Southern Drainage Channels MW-118WT 06/19/01	Southern Drainage Channels MW-118WT 06/27/02
Inorganics					
Aluminum	mg/L	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	NA
Iron	mg/L	81.9 (IDW)	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA
Manganese	mg/L	4.99 (IDW)	NA	NA	NA
Mercury	mg/L	NA	NA	ND(0.000200 J) [ND(0.000200 J)]	NA
Nickel	mg/L	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA
Inorganics-Dissolved					
Aluminum (Dissolved)	mg/L	ND(0.1)	ND(0.1)	ND(0.1) [ND(0.1)]	ND(0.1) [ND(0.1)]
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005) [ND(0.005)]
Arsenic (Dissolved)	mg/L	NA	ND(0.01)	0.0051 B [0.0074 B]	0.0039 B [0.0079 B]
Barium (Dissolved)	mg/L	2.42 (IDW)	7.97 (IDW)	10.7 (IDW) [11.2 (IDW)]	8.65 (IDW) [9.2 (IDW)]
Beryllium (Dissolved)	mg/L	NA	ND(0.004)	ND(0.004) [ND(0.004)]	ND(0.004) [ND(0.004)]
Cadmium (Dissolved)	mg/L	NA	0.0015	0.0083 (IDW) [0.0086 (IDW)]	0.0025 [0.0029]
Calcium (Dissolved)	mg/L	NA	4,890	5,750 [6,040]	4,630 [4,880]
Chromium Total (Dissolved)	mg/L	NA	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005) [ND(0.005)]
Cobalt (Dissolved)	mg/L	NA	ND(0.04)	ND(0.04) [ND(0.04)]	ND(0.04) [ND(0.04)]
Copper (Dissolved)	mg/L	NA	ND(0.025)	ND(0.025) [ND(0.025)]	ND(0.025) [ND(0.025)]
Cyanide (Dissolved)	mg/L	NA	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005) [ND(0.005)]
Iron (Dissolved)	mg/L	93.1 (IDW)	261 (IDW)	330 (IDW) [344 (IDW)]	259 (IDW) [277 (IDW)]
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003) [ND(0.003)]	ND(0.003) [ND(0.003)]
Magnesium (Dissolved)	mg/L	457	1,330 (IDW)	1,760 (IDW) [1,840 (IDW)]	1,390 (IDW) [1,470 (IDW)]
Manganese (Dissolved)	mg/L	5.39 (IDW)	8.93 (IDW)	7.74 (IDW) [8.07 (IDW)]	6.25 (IDW) [6.36 (IDW)]
Mercury (Dissolved)	mg/L	NA	ND(0.0002)	NA	ND(0.0002 J) [ND(0.0002 J)]
Nickel (Dissolved)	mg/L	ND(0.05)	0.0177 B	0.0235 B [0.0244 B]	0.029 B [0.0311 B]
Potassium (Dissolved)	mg/L	NA	16.8	30.7 J [32.4 J]	40 J [43.4 J]
Selenium (Dissolved)	mg/L	NA	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005) [ND(0.005)]
Silver (Dissolved)	mg/L	NA	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005) [ND(0.005)]
Sodium (Dissolved)	mg/L	229	647 (IDW)	955 (IDW) [976 (IDW)]	925 (IDW) [970 (IDW)]
Thallium (Dissolved)	mg/L	NA	0.0268 (IDW)	ND(0.01) [0.0065 B (IDW)]	0.0188 J (IDW) [0.0078 BJ (IDW)]
Vanadium (Dissolved)	mg/L	NA	ND(0.05)	ND(0.05) [ND(0.05)]	ND(0.05) [ND(0.05)]
Zinc (Dissolved)	mg/L	ND(0.0223)	0.0178 B	ND(0.02) [ND(0.02)]	ND(0.02) [ND(0.02)]

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels MW-118WT 06/19/03	Southern Drainage Channels MW-118WT 05/27/04	Southern Drainage Channels MW-118WT 06/23/05	Southern Drainage Channels MW-118WT 12/14/06	Southern Drainage Channels TW-216S1 05/10/95
Inorganics						
Aluminum	mg/L	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	NA	ND(0.00500)
Iron	mg/L	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA
Inorganics-Dissolved						
Aluminum (Dissolved)	mg/L	ND(0.1) [ND(0.1)]	ND(0.1)	ND(0.2)	ND(0.2)	ND(0.1)
Antimony (Dissolved)	mg/L	ND(0.005) [ND(0.005)]	ND(0.005)	0.00017 B	ND(0.002)	ND(0.005)
Arsenic (Dissolved)	mg/L	ND(0.01) [ND(0.01)]	0.0032	0.0034	ND(0.005)	0.0037
Barium (Dissolved)	mg/L	5.62 (IDW) [5.42 (IDW)]	4.35 (IDW)	2.21 J (IDW)	1.4	ND(0.2)
Beryllium (Dissolved)	mg/L	ND(0.004) [ND(0.004)]	ND(0.004)	ND(0.001)	ND(0.001)	ND(0.005)
Cadmium (Dissolved)	mg/L	0.0066 (IDW) [0.006 (IDW)]	0.00072	ND(0.0005)	ND(0.001)	ND(0.0002)
Calcium (Dissolved)	mg/L	2,940 [2,840]	2,290 J	953 J	670	76.9
Chromium Total (Dissolved)	mg/L	ND(0.005) [ND(0.005)]	0.0021	0.0015 B	ND(0.005)	ND(0.05 J)
Cobalt (Dissolved)	mg/L	ND(0.04) [ND(0.04)]	ND(0.04)	0.005	0.0017 J	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025) [ND(0.025)]	ND(0.025)	0.0036 J	0.0016 J	ND(0.025)
Cyanide (Dissolved)	mg/L	ND(0.005) [ND(0.005)]	ND(0.005)	ND(0.01)	ND(0.01)	NA
Iron (Dissolved)	mg/L	173 (IDW) [166 (IDW)]	135 (IDW)	92.4 (IDW)	39.2 (IDW)	ND(0.1)
Lead (Dissolved)	mg/L	ND(0.003) [ND(0.003)]	ND(0.003)	ND(0.001)	ND(0.003)	0.0032
Magnesium (Dissolved)	mg/L	916 [883]	721 J	444	206	18.9
Manganese (Dissolved)	mg/L	4.11 (IDW) [4 (IDW)]	3.08 J (IDW)	1.56 J	1.05	0.0386
Mercury (Dissolved)	mg/L	ND(0.0002 J) [ND(0.0002 J)]	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002 J)
Nickel (Dissolved)	mg/L	0.0362 B [0.0348 B]	0.039	0.0434	0.0253	ND(0.05)
Potassium (Dissolved)	mg/L	37.2 [35.2]	33.9 J	29.4	19.2	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005) [ND(0.005)]	ND(0.005)	0.0163	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.005) [ND(0.005)]	ND(0.005)	ND(0.0005)	ND(0.0002 J)	ND(0.0005)
Sodium (Dissolved)	mg/L	764 (IDW) [735 (IDW)]	662 (IDW)	541 (IDW)	408 (IDW)	62.9
Thallium (Dissolved)	mg/L	ND(0.01) [ND(0.01)]	ND(0.01)	0.000089 B	ND(0.001)	ND(0.002 J)
Vanadium (Dissolved)	mg/L	ND(0.05) [ND(0.05)]	0.0015	ND(0.005)	ND(0.004)	ND(0.02)
Zinc (Dissolved)	mg/L	ND(0.02) [ND(0.02)]	ND(0.02)	0.0673 J	ND(0.02)	R

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels TW-216S2 05/11/95	Southern Drainage Channels TW-216WT 05/10/95	Southern Drainage Channels TW-217S1 05/10/95	Southern Drainage Channels TW-217S2 05/10/95	Southern Drainage Channels TW-217WT 05/09/95
Inorganics						
Aluminum	mg/L	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500) [ND(0.00500)]	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Iron	mg/L	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA	NA
Inorganics-Dissolved						
Aluminum (Dissolved)	mg/L	ND(0.1) [ND(0.1)]	ND(0.1)	ND(0.1)	ND(0.1)	0.196
Antimony (Dissolved)	mg/L	ND(0.005) [ND(0.005)]	0.0053	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.0096 [0.0082]	0.0145 (IDW)	0.001	0.0075	0.0051
Barium (Dissolved)	mg/L	0.522 [0.545]	ND(0.2)	0.326	0.791	ND(0.2)
Beryllium (Dissolved)	mg/L	ND(0.005) [ND(0.005)]	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.0002) [ND(0.0002)]	0.00021	ND(0.0002)	ND(0.0002 J)	ND(0.0002)
Calcium (Dissolved)	mg/L	138 [144]	116	136	147	118
Chromium Total (Dissolved)	mg/L	ND(0.05 J) [ND(0.05 J)]	ND(0.05 J)	ND(0.05 J)	ND(0.05 J)	ND(0.05 J)
Cobalt (Dissolved)	mg/L	ND(0.05) [ND(0.05)]	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025) [ND(0.025)]	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA	NA	NA
Iron (Dissolved)	mg/L	7.07 [5.12]	1.14	1.07	1.61	2.77
Lead (Dissolved)	mg/L	ND(0.003) [ND(0.003)]	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	51.1 [53.5]	30.5	43.5	52.2	29.3
Manganese (Dissolved)	mg/L	0.0966 [0.104]	0.867	0.11	0.0748	0.94
Mercury (Dissolved)	mg/L	ND(0.0002 J) [ND(0.0002 J)]	ND(0.0002 J)	ND(0.0002 J)	ND(0.0002 J)	ND(0.0002 J)
Nickel (Dissolved)	mg/L	ND(0.05) [ND(0.05)]	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Potassium (Dissolved)	mg/L	ND(5) [ND(5)]	ND(5)	ND(5)	ND(5)	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005) [ND(0.005)]	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005) [ND(0.0005)]	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
Sodium (Dissolved)	mg/L	223 [228]	57.2	106	181	49.7
Thallium (Dissolved)	mg/L	ND(0.002 J) [ND(0.002 J)]	ND(0.002 J)	ND(0.002 J)	ND(0.002 J)	ND(0.002 J)
Vanadium (Dissolved)	mg/L	ND(0.02) [ND(0.02)]	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	0.844 [0.877]	0.217	1.01	0.866	R

See Generic Notes in Table 14.

Table 4. Target Analyte List Inorganic Constituents Detected in Groundwater, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	Southern Drainage Channels TW-218S1 05/09/95	Southern Drainage Channels TW-218S2 05/09/95	Southern Drainage Channels TW-218S3 05/09/95	Southern Drainage Channels TW-218WT 05/09/95
Inorganics					
Aluminum	mg/L	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA
Calcium	mg/L	NA	NA	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA
Copper	mg/L	NA	NA	NA	NA
Cyanide (total)	mg/L	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Iron	mg/L	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA
Nickel	mg/L	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA
Selenium	mg/L	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA
Thallium	mg/L	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA
Zinc	mg/L	NA	NA	NA	NA
Inorganics-Dissolved					
Aluminum (Dissolved)	mg/L	ND(0.1)	0.132	0.104	0.254 (IDW)
Antimony (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Arsenic (Dissolved)	mg/L	0.0091	0.0045	0.0025	0.011 (IDW)
Barium (Dissolved)	mg/L	0.338	1.2	0.34	ND(0.2)
Beryllium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cadmium (Dissolved)	mg/L	ND(0.0002 J)	ND(0.0002)	ND(0.0002 J)	ND(0.0002 J)
Calcium (Dissolved)	mg/L	124	158	120	236
Chromium Total (Dissolved)	mg/L	ND(0.05 J)	ND(0.05 J)	ND(0.05 J)	ND(0.05 J)
Cobalt (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Copper (Dissolved)	mg/L	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
Cyanide (Dissolved)	mg/L	NA	NA	NA	NA
Iron (Dissolved)	mg/L	3.37	1.12	0.325	5.48
Lead (Dissolved)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)
Magnesium (Dissolved)	mg/L	39.1	49.6	44.2	64.7
Manganese (Dissolved)	mg/L	0.188	0.18	0.0842	2.18 (IDW)
Mercury (Dissolved)	mg/L	ND(0.0002 J)	ND(0.0002 J)	ND(0.0002 J)	ND(0.0002 J)
Nickel (Dissolved)	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Potassium (Dissolved)	mg/L	ND(5)	ND(5)	ND(5)	ND(5)
Selenium (Dissolved)	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Silver (Dissolved)	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
Sodium (Dissolved)	mg/L	96.8	100	204	63.6
Thallium (Dissolved)	mg/L	ND(0.002 J)	ND(0.002 J)	ND(0.002 J)	ND(0.002 J)
Vanadium (Dissolved)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
Zinc (Dissolved)	mg/L	1.73	0.781	0.313	0.409

See Generic Notes in Table 14.

Table 5. Volatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Sample Depth (ft BGS): / Date Collected:	Units	Generic MDEQ Criteria Values						Drum Remediation/Wetland Area MW-126WT 14 - 16 02/08/95	Drum Remediation/Wetland Area TP-2 8 - 8.5 03/23/95
		GCCP	IDC	IDWP	IPSIC	ISVIA	IVSICI		
Volatile Organics									
1,1,2-Trichloroethane	mg/kg	420	840	0.1	250,000	24	57	ND(0.0057)	ND(0.0063)
1,1-Dichloroethane	mg/kg	890 {C}	890 {C}	50	15,000,000	430	2,500	0.0058	ND(0.0063)
1,2-Dichloroethene (total)	mg/kg	--	--	--	--	--	--	0.025	ND(0.0063)
2-Hexanone	mg/kg	2,500 {C}	2,500 {C}	58	1,200,000	1,800	1,300	ND(0.057)	ND(0.063)
Acetone	mg/kg	110,000 {I,C}	73,000 {I}	42 {I}	170,000,000 {I}	110,000 {I,C}	160,000 {I}	ND(0.020)	ND(0.011 J)
Benzene	mg/kg	220 {I}	400 {I,C}	0.1 {I}	470,000 {I}	8.4 {I}	45 {I}	ND(0.0057)	ND(0.0063)
Bromoform	mg/kg	870 {C}	870 {C}	1.6 {W}	3,600,000	770	3,100	ND(0.0057)	ND(0.0063)
Chlorobenzene	mg/kg	260 {I,C}	260 {I,C}	2 {I}	2,100,000 {I}	220 {I}	920 {I}	ND(0.0057)	ND(0.0063)
cis-1,2-Dichloroethene	mg/kg	640 {C}	640 {C}	1.4	1,000,000	41	210	0.025	ND(0.0063)
Ethylbenzene	mg/kg	140 {I,C}	140 {I,C}	1.5 {I}	13,000,000 {I}	140 {I,C}	2,400 {I}	ND(0.0057)	0.0039 J
Methylene Chloride	mg/kg	2,300 {C}	2,300 {C}	0.1	8,300,000	240	700	0.018	0.016
Styrene	mg/kg	270	520 {C}	2.7	6,900,000	520 {C}	3,300	ND(0.0057)	ND(0.0063)
Tetrachloroethene	mg/kg	88 {C}	88 {C}	0.1	6,800,000	60	600	ND(0.0057)	ND(0.0063)
Toluene	mg/kg	250 {I,C}	250 {I,C}	16 {I}	12,000,000 {I}	250 {I,C}	3,300 {I}	ND(0.0057)	ND(0.0063)
trans-1,3-Dichloropropene	mg/kg	--	--	--	--	--	--	ND(0.0057)	ND(0.0063)
Trichloroethene	mg/kg	440	500 {C,DD}	0.1	2,300,000	37	260	ND(0.0057)	ND(0.0063)
Total 1,3-Dichloropropenes	mg/kg	110	240	0.7	590,000	5.4	60	ND(0.0057)	ND(0.0063)
Total Xylenes	mg/kg	150 {I,C}	150 {I,C}	5.6 {I}	130,000,000 {I}	150 {I,C}	54,000 {I}	ND(0.0057)	0.014

See Generic Notes in Table 14.

Table 5. Volatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Drum Remediation/Wetland Area TP-6 8 - 8.5 03/22/95	Drum Remediation/Wetland Area TP-12 7.8 - 8 03/23/95	Drum Remediation/Wetland Area WMB-1 3 - 3.5 01/22/97	Drum Remediation/Wetland Area WMB-2 3 - 3.5 01/22/97
Volatile Organics					
1,1,2-Trichloroethane	mg/kg	ND(38)	ND(0.74)	ND(0.0059)	ND(0.0071)
1,1-Dichloroethane	mg/kg	ND(38)	ND(0.74)	ND(0.0059)	ND(0.0071)
1,2-Dichloroethene (total)	mg/kg	ND(38)	ND(0.74)	NA	NA
2-Hexanone	mg/kg	ND(380 J)	ND(7.4 J)	ND(0.059)	ND(0.071)
Acetone	mg/kg	ND(380)	ND(7.4)	ND(0.059)	ND(0.071)
Benzene	mg/kg	ND(38)	ND(0.74)	ND(0.0059)	ND(0.0071)
Bromoform	mg/kg	ND(38)	ND(0.74)	ND(0.0059)	ND(0.0071)
Chlorobenzene	mg/kg	ND(38)	ND(0.74)	ND(0.0059)	ND(0.0071)
cis-1,2-Dichloroethene	mg/kg	ND(38)	ND(0.74)	0.0074	ND(0.0071)
Ethylbenzene	mg/kg	170 (GCCP, IDC, IDWP, ISVIA)	ND(0.74)	ND(0.0059)	ND(0.0071)
Methylene Chloride	mg/kg	ND(38)	ND(0.74)	ND(0.0059)	ND(0.0071)
Styrene	mg/kg	ND(38)	ND(0.74)	ND(0.0059)	ND(0.0071)
Tetrachloroethene	mg/kg	ND(38)	ND(0.74)	ND(0.0059)	ND(0.0071)
Toluene	mg/kg	ND(38)	ND(0.74)	ND(0.0059)	ND(0.0071)
trans-1,3-Dichloropropene	mg/kg	ND(38)	ND(0.74)	ND(0.0059)	ND(0.0071)
Trichloroethene	mg/kg	ND(38)	ND(0.74)	ND(0.0059)	ND(0.0071)
Total 1,3-Dichloropropenes	mg/kg	ND(38)	ND(0.74)	ND(0.0059)	ND(0.0071)
Total Xylenes	mg/kg	1,300 (GCCP, IDC, IDWP, ISVIA)	ND(0.74)	ND(0.0059)	ND(0.0071)

See Generic Notes in Table 14.

Table 5. Volatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Drum Remediation/Wetland Area WMB-3 5 - 5.5 01/22/97	Drum Remediation/Wetland Area WMB-4 0.5 - 1 01/22/97	Drum Remediation/Wetland Area WMB-5 0.5 - 1 01/22/97	Drum Remediation/Wetland Area WMB-6 4 - 4.5 01/22/97
Volatile Organics					
1,1,2-Trichloroethane	mg/kg	ND(0.0061)	ND(0.0072)	ND(0.0069)	ND(0.0068)
1,1-Dichloroethane	mg/kg	ND(0.0061)	ND(0.0072)	ND(0.0069)	ND(0.0068)
1,2-Dichloroethene (total)	mg/kg	NA	NA	NA	NA
2-Hexanone	mg/kg	ND(0.061)	ND(0.072)	ND(0.069)	ND(0.068)
Acetone	mg/kg	ND(0.061)	ND(0.072)	ND(0.069)	ND(0.068)
Benzene	mg/kg	ND(0.0061)	ND(0.0072)	ND(0.0069)	ND(0.0068)
Bromoform	mg/kg	ND(0.0061)	ND(0.0072)	ND(0.0069)	ND(0.0068)
Chlorobenzene	mg/kg	ND(0.0061)	ND(0.0072)	ND(0.0069)	ND(0.0068)
cis-1,2-Dichloroethene	mg/kg	ND(0.0061)	ND(0.0072)	ND(0.0069)	ND(0.0068)
Ethylbenzene	mg/kg	ND(0.0061)	ND(0.0072)	ND(0.0069)	ND(0.0068)
Methylene Chloride	mg/kg	ND(0.0061)	ND(0.0072)	ND(0.0069)	ND(0.0068)
Styrene	mg/kg	ND(0.0061)	ND(0.0072)	ND(0.0069)	ND(0.0068)
Tetrachloroethene	mg/kg	ND(0.0061)	ND(0.0072)	ND(0.0069)	ND(0.0068)
Toluene	mg/kg	ND(0.0061)	ND(0.0072)	ND(0.0069)	ND(0.0068)
trans-1,3-Dichloropropene	mg/kg	ND(0.0061)	ND(0.0072)	ND(0.0069)	ND(0.0068)
Trichloroethene	mg/kg	ND(0.0061)	ND(0.0072)	ND(0.0069)	ND(0.0068)
Total 1,3-Dichloropropenes	mg/kg	ND(0.0061)	ND(0.0072)	ND(0.0069)	ND(0.0068)
Total Xylenes	mg/kg	ND(0.0061)	ND(0.0072)	ND(0.0069)	ND(0.0068)

See Generic Notes in Table 14.

Table 5. Volatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Eastern Property Extension BH01 0 - 2 11/26/97	Eastern Property Extension BH02 2 - 4 11/26/97	Eastern Property Extension BH03 2 - 4 11/26/97	Eastern Property Extension BH04 2 - 4 11/26/97	Eastern Property Extension BH05 2 - 4 11/26/97	Eastern Property Extension BH06 2 - 4 11/26/97	Eastern Property Extension SS-007-CR 0 - 0.5 12/01/97	Eastern Property Extension SS-008-CR 0 - 0.5 12/01/97	Eastern Property Extension SS-013-CR 0 - 0.5 12/01/97	Eastern Property Extension SS-014-CR 0 - 0.5 12/01/97
Volatile Organics											
1,1,2-Trichloroethane	mg/kg	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010)	ND(0.010)
1,1-Dichloroethane	mg/kg	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010)	ND(0.010)
1,2-Dichloroethene (total)	mg/kg	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010)	ND(0.010)
2-Hexanone	mg/kg	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10 J)	ND(0.10 J)	ND(0.10 J)	ND(0.10 J)	ND(0.10)	ND(0.10)
Acetone	mg/kg	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10 J)	ND(0.10 J)	ND(0.10 J)	ND(0.10 J)	ND(0.10)	ND(0.10)
Benzene	mg/kg	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010)	ND(0.010)
Bromoform	mg/kg	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010)	ND(0.010)
Chlorobenzene	mg/kg	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010)	ND(0.010)
cis-1,2-Dichloroethene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	mg/kg	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010)	ND(0.010)
Methylene Chloride	mg/kg	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010)	ND(0.010)
Styrene	mg/kg	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010)	ND(0.010)
Tetrachloroethene	mg/kg	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010)	ND(0.010)
Toluene	mg/kg	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010)	ND(0.010)
trans-1,3-Dichloropropene	mg/kg	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010)	ND(0.010)
Trichloroethene	mg/kg	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010 J)	ND(0.010)	ND(0.010)
Total 1,3-Dichloropropenes	mg/kg	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Total Xylenes	mg/kg	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030 J)	ND(0.030 J)	ND(0.030 J)	ND(0.030 J)	ND(0.030)	ND(0.030)

See Generic Notes in Table 14.

Table 5. Volatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Eastern Property Extension SS-015-CR 0 - 0.5 12/01/97	Eastern Property Extension SS-016-CR 0 - 0.5 12/01/97	Green Point Landfill SB-313 4 - 6 06/07/95	Green Point Landfill SB-389 0 - 0.5 08/11/00	Green Point Landfill SB-390 0 - 0.5 08/11/00	Green Point Landfill SB-391 0 - 0.5 08/11/00	Green Point Landfill SB-392 0 - 0.5 08/11/00
Volatile Organics								
1,1,2-Trichloroethane	mg/kg	ND(0.010)	ND(0.010)	ND(0.0056)	R	ND(0.0087 J)	ND(0.0071)	ND(0.0068)
1,1-Dichloroethane	mg/kg	ND(0.010)	ND(0.010)	ND(0.0056)	ND(0.0058)	ND(0.0087)	ND(0.0071)	ND(0.0068)
1,2-Dichloroethene (total)	mg/kg	ND(0.010)	ND(0.010)	ND(0.0056)	ND(0.0058)	ND(0.0087)	ND(0.0071)	ND(0.0068)
2-Hexanone	mg/kg	ND(0.10)	ND(0.10)	ND(0.056 J)	R	ND(0.035 J)	ND(0.028)	ND(0.027)
Acetone	mg/kg	ND(0.10)	ND(0.10)	0.0055 J	ND(0.023)	ND(0.035)	ND(0.028)	ND(0.027)
Benzene	mg/kg	ND(0.010)	ND(0.010)	0.0024 J	ND(0.0058)	ND(0.0087)	ND(0.0071)	ND(0.0068)
Bromoform	mg/kg	ND(0.010)	ND(0.010)	ND(0.0056)	R	ND(0.0087 J)	ND(0.0071)	ND(0.0068)
Chlorobenzene	mg/kg	ND(0.010)	ND(0.010)	ND(0.0056)	R	ND(0.0087 J)	ND(0.0071)	ND(0.0068)
cis-1,2-Dichloroethene	mg/kg	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	mg/kg	ND(0.010)	ND(0.010)	ND(0.0056)	R	ND(0.0087 J)	ND(0.0071)	ND(0.0068)
Methylene Chloride	mg/kg	ND(0.010)	ND(0.010)	0.0041 J	0.086 J	0.020	ND(0.0071)	ND(0.0068)
Styrene	mg/kg	ND(0.010)	ND(0.010)	ND(0.0056)	R	ND(0.0087 J)	ND(0.0071)	ND(0.0068)
Tetrachloroethene	mg/kg	ND(0.010)	ND(0.010)	ND(0.0056)	R	ND(0.0087 J)	ND(0.0071)	ND(0.0068)
Toluene	mg/kg	ND(0.010)	ND(0.010)	ND(0.0056)	R	ND(0.0087 J)	ND(0.0071)	ND(0.0068)
trans-1,3-Dichloropropene	mg/kg	ND(0.010)	ND(0.010)	ND(0.0056)	R	ND(0.0087 J)	ND(0.0071)	ND(0.0068)
Trichloroethene	mg/kg	ND(0.010)	ND(0.010)	ND(0.0056)	ND(0.0058)	ND(0.0087)	ND(0.0071)	ND(0.0068)
Total 1,3-Dichloropropenes	mg/kg	ND(0.010)	ND(0.010)	ND(0.0056)	0	ND(0.0087)	ND(0.0071)	ND(0.0068)
Total Xylenes	mg/kg	ND(0.030)	ND(0.030)	0.011	R	ND(0.0087 J)	ND(0.0071)	ND(0.0068)

See Generic Notes in Table 14.

Table 5. Volatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Green Point Landfill SB-393 0 - 0.5 08/11/00	Green Point Landfill SB-394 0 - 0.5 08/11/00	Green Point Landfill SB-395 0 - 0.5 08/11/00	Green Point Landfill SB-396 0 - 0.5 08/11/00	Green Point Landfill SB-397 0 - 0.5 08/11/00	Green Point Landfill SB-398 0 - 0.5 08/11/00	Green Point Landfill SB-399 0 - 0.5 08/11/00
Volatile Organics								
1,1,2-Trichloroethane	mg/kg	ND(0.0067)	ND(0.0067)	ND(0.0067)	R	ND(0.0070)	ND(0.0061)	ND(0.0062)
1,1-Dichloroethane	mg/kg	0.0039 J	ND(0.0067)	ND(0.0067)	ND(0.015)	ND(0.0070)	ND(0.0061)	ND(0.0062)
1,2-Dichloroethene (total)	mg/kg	0.031	ND(0.0067)	ND(0.0067)	ND(0.015)	ND(0.0070)	ND(0.0061)	ND(0.0062)
2-Hexanone	mg/kg	ND(0.027)	ND(0.027)	ND(0.027)	R	ND(0.028)	ND(0.024)	ND(0.025)
Acetone	mg/kg	ND(0.027)	ND(0.027)	ND(0.027)	ND(0.061)	ND(0.028)	ND(0.024)	ND(0.025)
Benzene	mg/kg	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.015)	ND(0.0070)	ND(0.0061)	ND(0.0062)
Bromoform	mg/kg	ND(0.0067)	ND(0.0067)	ND(0.0067)	R	ND(0.0070)	ND(0.0061)	ND(0.0062)
Chlorobenzene	mg/kg	ND(0.0067)	ND(0.0067)	ND(0.0067)	R	ND(0.0070)	ND(0.0061)	ND(0.0062)
cis-1,2-Dichloroethene	mg/kg	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	mg/kg	ND(0.0067)	ND(0.0067)	ND(0.0067)	R	ND(0.0070)	ND(0.0061)	ND(0.0062)
Methylene Chloride	mg/kg	0.078	ND(0.0067)	ND(0.0067)	0.30 J (IDWP)	0.0047 J	0.022	0.0027 J
Styrene	mg/kg	ND(0.0067)	ND(0.0067)	ND(0.0067)	R	ND(0.0070)	ND(0.0061)	ND(0.0062)
Tetrachloroethene	mg/kg	ND(0.0067)	ND(0.0067)	ND(0.0067)	R	ND(0.0070)	ND(0.0061)	ND(0.0062)
Toluene	mg/kg	ND(0.0067)	ND(0.0067)	ND(0.0067)	R	ND(0.0070)	ND(0.0061)	ND(0.0062)
trans-1,3-Dichloropropene	mg/kg	ND(0.0067)	ND(0.0067)	ND(0.0067)	R	ND(0.0070)	ND(0.0061)	ND(0.0062)
Trichloroethene	mg/kg	0.0039 J	ND(0.0067)	ND(0.0067)	ND(0.015)	ND(0.0070)	ND(0.0061)	ND(0.0062)
Total 1,3-Dichloropropenes	mg/kg	ND(0.0067)	ND(0.0067)	ND(0.0067)	0	ND(0.0070)	ND(0.0061)	ND(0.0062)
Total Xylenes	mg/kg	ND(0.0067)	ND(0.0067)	ND(0.0067)	R	ND(0.0070)	ND(0.0061)	ND(0.0062)

See Generic Notes in Table 14.

Table 5. Volatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Green Point Landfill SB-400 0 - 0.5 08/11/00	Green Point Landfill SB-406 0 - 0.5 08/11/00	Green Point Landfill SB-412 0 - 0.5 08/11/00	Green Point Landfill SB-418 0 - 0.5 08/11/00	Previously Proposed Type III Landfill Area TP1 0 - 4 05/22/98
Volatile Organics						
1,1,2-Trichloroethane	mg/kg	ND(0.0080)	R	ND(0.0088)	ND(0.0066) [ND(0.0069)]	ND(0.0050)
1,1-Dichloroethane	mg/kg	ND(0.0080)	ND(0.0054)	ND(0.0088)	ND(0.0066) [ND(0.0069)]	ND(0.0050)
1,2-Dichloroethene (total)	mg/kg	ND(0.0080)	ND(0.0054)	ND(0.0088)	ND(0.0066) [ND(0.0069)]	ND(0.0050)
2-Hexanone	mg/kg	ND(0.032)	R	ND(0.035)	ND(0.026) [ND(0.028)]	ND(0.020)
Acetone	mg/kg	ND(0.032)	ND(0.022)	ND(0.035)	ND(0.026) [ND(0.028)]	ND(0.020)
Benzene	mg/kg	ND(0.0080)	ND(0.0054)	ND(0.0088)	ND(0.0066) [ND(0.0069)]	ND(0.0050)
Bromoform	mg/kg	ND(0.0080)	R	ND(0.0088)	ND(0.0066) [ND(0.0069)]	ND(0.0050)
Chlorobenzene	mg/kg	ND(0.0080)	R	ND(0.0088)	ND(0.0066) [ND(0.0069)]	ND(0.0050)
cis-1,2-Dichloroethene	mg/kg	NA	NA	NA	NA	NA
Ethylbenzene	mg/kg	ND(0.0080)	R	ND(0.0088)	ND(0.0066) [ND(0.0069)]	ND(0.0050)
Methylene Chloride	mg/kg	0.011	0.081 J	0.0036 J	ND(0.0066) [ND(0.0069)]	0.019
Styrene	mg/kg	ND(0.0080)	R	ND(0.0088)	ND(0.0066) [ND(0.0069)]	ND(0.0050)
Tetrachloroethene	mg/kg	ND(0.0080)	R	ND(0.0088)	ND(0.0066) [ND(0.0069)]	ND(0.0050)
Toluene	mg/kg	ND(0.0080)	R	ND(0.0088)	ND(0.0066) [ND(0.0069)]	ND(0.0050)
trans-1,3-Dichloropropene	mg/kg	ND(0.0080)	R	ND(0.0088)	ND(0.0066) [ND(0.0069)]	ND(0.0050)
Trichloroethene	mg/kg	ND(0.0080)	ND(0.0054)	ND(0.0088)	ND(0.0066) [ND(0.0069)]	ND(0.0050)
Total 1,3-Dichloropropenes	mg/kg	ND(0.0080)	0	ND(0.0088)	ND(0.0066) [ND(0.0069)]	ND(0.0050)
Total Xylenes	mg/kg	ND(0.0080)	R	ND(0.0088)	ND(0.0066) [ND(0.0069)]	ND(0.0050)

See Generic Notes in Table 14.

Table 5. Volatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Previously Proposed Type III Landfill Area TP1 4 - 8 05/22/98	Previously Proposed Type III Landfill Area TP2 0 - 4 05/22/98	Previously Proposed Type III Landfill Area TP2 4 - 8 05/22/98
Volatile Organics				
1,1,2-Trichloroethane	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dichloroethene (total)	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Hexanone	mg/kg	ND(0.020)	ND(0.020)	ND(0.020)
Acetone	mg/kg	ND(0.020)	ND(0.020)	ND(0.020)
Benzene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromoform	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
cis-1,2-Dichloroethene	mg/kg	NA	NA	NA
Ethylbenzene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	mg/kg	0.026	0.031	0.027
Styrene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
trans-1,3-Dichloropropene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total 1,3-Dichloropropenes	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Xylenes	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 5. Volatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Previously Proposed Type III Landfill Area TP3 0 - 4 05/22/98	Previously Proposed Type III Landfill Area TP3 4 - 8 05/22/98	Previously Proposed Type III Landfill Area TP4 0 - 4 05/22/98
Volatile Organics				
1,1,2-Trichloroethane	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dichloroethene (total)	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Hexanone	mg/kg	ND(0.020)	ND(0.020)	ND(0.020)
Acetone	mg/kg	ND(0.020)	ND(0.020)	ND(0.020)
Benzene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromoform	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
cis-1,2-Dichloroethene	mg/kg	NA	NA	NA
Ethylbenzene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	mg/kg	0.0077	0.028	0.024
Styrene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
trans-1,3-Dichloropropene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total 1,3-Dichloropropenes	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Xylenes	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 5. Volatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Previously Proposed Type III Landfill Area TP4 4 - 8 05/22/98	Previously Proposed Type III Landfill Area TP5 0 - 4 05/22/98	Previously Proposed Type III Landfill Area TP5 4 - 8 05/22/98
Volatile Organics				
1,1,2-Trichloroethane	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dichloroethene (total)	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Hexanone	mg/kg	ND(0.020)	ND(0.020)	ND(0.020)
Acetone	mg/kg	ND(0.020)	ND(0.020)	ND(0.020)
Benzene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromoform	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
cis-1,2-Dichloroethene	mg/kg	NA	NA	NA
Ethylbenzene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	mg/kg	0.049	0.054	0.022
Styrene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
trans-1,3-Dichloropropene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total 1,3-Dichloropropenes	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Xylenes	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 5. Volatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Previously Proposed Type III Landfill Area TP6 0 - 4 05/22/98	Previously Proposed Type III Landfill Area TP6 4 - 8 05/22/98	Previously Proposed Type III Landfill Area TP7 0 - 4 05/22/98
Volatile Organics				
1,1,2-Trichloroethane	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dichloroethene (total)	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Hexanone	mg/kg	ND(0.020)	ND(0.020)	ND(0.020)
Acetone	mg/kg	ND(0.020)	ND(0.020)	ND(0.020)
Benzene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromoform	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
cis-1,2-Dichloroethene	mg/kg	NA	NA	NA
Ethylbenzene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	mg/kg	0.069	0.020	0.015
Styrene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
trans-1,3-Dichloropropene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total 1,3-Dichloropropenes	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total Xylenes	mg/kg	ND(0.0050)	ND(0.0050)	ND(0.0050)

See Generic Notes in Table 14.

Table 6. Semivolatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Generic MDEQ Criteria Values						Drum Remediation/Wetland Area MW-126WT 14 - 16 02/08/95	Drum Remediation/Wetland Area TP-2 8 - 8.5 03/23/95
		GCCP	IDC	IDWP	IPSIC	ISVIA	IVSICI		
Semivolatile Organics									
1,3,5-Trinitrobenzene	mg/kg	--	--	--	--	--	--	R	NA
2-Methylnaphthalene	mg/kg	5,500	26,000	170	{ID}	{ID}	{ID}	ND(0.19)	9.4 J
2-Methylphenol	mg/kg	--	--	--	--	--	--	ND(0.19)	ND(84)
4-Methylphenol	mg/kg	--	--	--	--	--	--	ND(0.19)	ND(84)
Acenaphthene	mg/kg	970	130,000	880	6,200,000	350,000	97,000	ND(0.19)	57 J
Anthracene	mg/kg	41	730,000	41	29,000,000	1,000,000 {D}	1,600,000	ND(0.19)	190 (GCCP,IDWP)
Benzo(a)anthracene	mg/kg	{NLL}	80 {Q}	{NLL}	{ID}	{NLV}	{NLV}	NA	630 (IDC)
Benzo(a)pyrene	mg/kg	{NLL}	8 {Q}	{NLL}	1,900 {Q}	{NLV}	{NLV}	ND(0.19)	600 (IDC)
Benzo(b)fluoranthene	mg/kg	{NLL}	80 {Q}	{NLL}	{ID}	{ID}	{ID}	ND(0.19)	680 (IDC)
Benzo(g,h,i)perylene	mg/kg	{NLL}	7,000	{NLL}	350,000	{NLV}	{NLV}	ND(0.19 J)	360
Benzo(k)fluoranthene	mg/kg	{NLL}	800 {Q}	{NLL}	{ID}	{NLV}	{NLV}	ND(0.19)	230
bis(2-Ethylhexyl)phthalate	mg/kg	{NLL}	10,000 {C}	{NLL}	890,000	{NLV}	{NLV}	ND(0.19)	ND(84)
Carbazole	mg/kg	820	2,400	39	{ID}	{NLV}	{NLV}	ND(0.19)	97 (IDWP)
Chrysene	mg/kg	{NLL}	8,000 {Q}	{NLL}	{ID}	{ID}	{ID}	ND(0.19)	620
Dibenzo(a,h)anthracene	mg/kg	{NLL}	8 {Q}	{NLL}	{ID}	{NLV}	{NLV}	ND(0.19 J)	87 (IDC)
Dibenzofuran	mg/kg	{ID}	{ID}	{ID}	{ID}	{ID}	{ID}	ND(0.19)	42 J
Di-n-Butylphthalate	mg/kg	760 {C}	760 {C}	760 {C}	1,500,000	{NLV}	{NLV}	ND(0.20)	ND(84)
Fluoranthene	mg/kg	730	130,000	730	4,100,000	1,000,000 {D}	890,000	ND(0.19)	1,000 (GCCP,IDWP)
Fluorene	mg/kg	890	87,000	890	4,100,000	1,000,000 {D}	150,000	ND(0.19)	43 J
Indeno(1,2,3-cd)pyrene	mg/kg	{NLL}	80 {Q}	{NLL}	{ID}	{NLV}	{NLV}	ND(0.19)	330 (IDC)
Naphthalene	mg/kg	2,100	52,000	100	88,000	470	350	ND(0.19)	38 J
Phenanthrene	mg/kg	1,100	5,200	160	2,900	5,100	190	ND(0.19)	630 (IDWP,IVSICI)
Phenol	mg/kg	12,000 {C}	12,000 {C,DD}	260	18,000,000	{NLV}	{NLV}	ND(0.19)	ND(84)
Pyrene	mg/kg	480	84,000	480	2,900,000	1,000,000 {D}	780,000	ND(0.19)	840 (GCCP,IDWP)
Total Methylphenols	mg/kg	16,000 {J}	36,000 {J}	20 {J}	2,900,000 {J}	{NLV}	{NLV}	ND(0.19)	ND(84)

See Generic Notes in Table 14.

Table 6. Semivolatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Drum Remediation/Wetland Area TP-6 8 - 8.5 03/22/95	Drum Remediation/Wetland Area TP-12 7.8 - 8 03/23/95	Drum Remediation/Wetland Area WMB-1 3 - 3.5 01/22/97	Drum Remediation/Wetland Area WMB-2 3 - 3.5 01/22/97
Semivolatile Organics					
1,3,5-Trinitrobenzene	mg/kg	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	3.7 J	8.0 J	ND(0.19)	ND(0.23)
2-Methylphenol	mg/kg	ND(4.1)	ND(24)	ND(0.19)	ND(0.23)
4-Methylphenol	mg/kg	ND(4.1)	ND(24)	ND(0.19)	ND(0.23)
Acenaphthene	mg/kg	0.51 J	3.7 J	ND(0.19)	ND(0.23)
Anthracene	mg/kg	0.74 J	5.8 J	ND(0.19)	0.077 J
Benzo(a)anthracene	mg/kg	1.7 J	19 J	0.14 J	0.25
Benzo(a)pyrene	mg/kg	1.4 J	17 J (DC)	0.21	0.27
Benzo(b)fluoranthene	mg/kg	2.2 J	20 J	0.24	0.34
Benzo(g,h,i)perylene	mg/kg	0.95 J	11 J	0.18 J	0.17 J
Benzo(k)fluoranthene	mg/kg	0.75 J	6.2 J	0.090 J	0.15 J
bis(2-Ethylhexyl)phthalate	mg/kg	7.4	11 J	ND(0.19)	0.11 J
Carbazole	mg/kg	ND(4.1)	3.2 J	ND(0.19)	ND(0.23)
Chrysene	mg/kg	2.2 J	27	0.18 J	0.21 J
Dibenzo(a,h)anthracene	mg/kg	ND(4.1)	ND(24)	ND(0.19)	ND(0.23)
Dibenzofuran	mg/kg	0.56 J	3.1 J	ND(0.19)	ND(0.23)
Di-n-Butylphthalate	mg/kg	3.4 J	4.6 J	ND(0.19)	ND(0.23)
Fluoranthene	mg/kg	4.1	44	0.29	0.38
Fluorene	mg/kg	1.2 J	5.1 J	ND(0.19)	ND(0.23)
Indeno(1,2,3-cd)pyrene	mg/kg	0.88 J	8.9 J	0.32	0.35
Naphthalene	mg/kg	19	12 J	ND(0.19)	ND(0.23)
Phenanthrene	mg/kg	3.6 J	35	0.16 J	0.30
Phenol	mg/kg	ND(4.1)	ND(24)	ND(0.19)	ND(0.23)
Pyrene	mg/kg	2.7 J	38	0.26	0.34
Total Methylphenols	mg/kg	ND(4.1)	ND(24)	ND(0.19)	ND(0.23)

See Generic Notes in Table 14.

Table 6. Semivolatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Drum Remediation/Wetland Area WMB-3 5 - 5.5 01/22/97	Drum Remediation/Wetland Area WMB-4 0.5 - 1 01/22/97	Drum Remediation/Wetland Area WMB-5 0.5 - 1 01/22/97	Drum Remediation/Wetland Area WMB-6 4 - 4.5 01/22/97
Semivolatile Organics					
1,3,5-Trinitrobenzene	mg/kg	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	0.075 J	ND(0.24)	ND(0.23)	ND(0.22)
2-Methylphenol	mg/kg	ND(0.20)	ND(0.24)	ND(0.23)	ND(0.22)
4-Methylphenol	mg/kg	ND(0.20)	ND(0.24)	ND(0.23)	ND(0.22)
Acenaphthene	mg/kg	ND(0.20)	ND(0.24)	ND(0.23)	ND(0.22)
Anthracene	mg/kg	ND(0.20)	ND(0.24)	ND(0.23)	ND(0.22)
Benzo(a)anthracene	mg/kg	ND(0.20)	0.055 J	ND(0.23)	ND(0.22)
Benzo(a)pyrene	mg/kg	ND(0.20)	0.084 J	ND(0.23)	ND(0.22)
Benzo(b)fluoranthene	mg/kg	ND(0.20)	0.096 J	ND(0.23)	ND(0.22)
Benzo(g,h,i)perylene	mg/kg	ND(0.20)	0.053 J	ND(0.23)	ND(0.22)
Benzo(k)fluoranthene	mg/kg	ND(0.20)	ND(0.24)	ND(0.23)	ND(0.22)
bis(2-Ethylhexyl)phthalate	mg/kg	ND(0.20)	ND(0.24)	ND(0.23)	ND(0.22)
Carbazole	mg/kg	ND(0.20)	ND(0.24)	ND(0.23)	ND(0.22)
Chrysene	mg/kg	ND(0.20)	0.072 J	ND(0.23)	ND(0.22)
Dibenzo(a,h)anthracene	mg/kg	ND(0.20)	ND(0.24)	ND(0.23)	ND(0.22)
Dibenzofuran	mg/kg	ND(0.20)	ND(0.24)	ND(0.23)	ND(0.22)
Di-n-Butylphthalate	mg/kg	ND(0.20)	ND(0.24)	ND(0.23)	ND(0.22)
Fluoranthene	mg/kg	ND(0.20)	ND(0.24)	ND(0.23)	ND(0.22)
Fluorene	mg/kg	ND(0.20)	ND(0.24)	ND(0.23)	ND(0.22)
Indeno(1,2,3-cd)pyrene	mg/kg	ND(0.20)	ND(0.24)	ND(0.23)	ND(0.22)
Naphthalene	mg/kg	ND(0.20)	ND(0.24)	ND(0.23)	ND(0.22)
Phenanthrene	mg/kg	ND(0.20)	ND(0.24)	ND(0.23)	ND(0.22)
Phenol	mg/kg	ND(0.20)	ND(0.24)	ND(0.23)	ND(0.22)
Pyrene	mg/kg	ND(0.20)	0.10 J	ND(0.23)	ND(0.22)
Total Methylphenols	mg/kg	ND(0.20)	ND(0.24)	ND(0.23)	ND(0.22)

See Generic Notes in Table 14.

Table 6. Semivolatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Eastern Property Extension BH01 0 - 2 11/26/97	Eastern Property Extension BH02 2 - 4 11/26/97	Eastern Property Extension BH03 2 - 4 11/26/97	Eastern Property Extension BH04 2 - 4 11/26/97	Eastern Property Extension BH05 2 - 4 11/26/97	Eastern Property Extention BH06 2 - 4 11/26/97	Eastern Property Extention SS-007-CR 0 - 0.5 12/01/97
Semivolatile Organics								
1,3,5-Trinitrobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	0.86	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	1.7
2-Methylphenol	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(1.3)
4-Methylphenol	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(1.3)
Acenaphthene	mg/kg	R	R	R	R	R	R	R
Anthracene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(1.3)
Benzo(a)anthracene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(1.3)
Benzo(a)pyrene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(1.3)
Benzo(b)fluoranthene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(1.3)
Benzo(g,h,i)perylene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(1.3)
Benzo(k)fluoranthene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(1.3)
bis(2-Ethylhexyl)phthalate	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(1.3)
Carbazole	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(1.3)
Chrysene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(1.3)
Dibenzo(a,h)anthracene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(1.3)
Dibenzofuran	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(1.3)
Di-n-Butylphthalate	mg/kg	ND(0.33)	1.6	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(1.3)
Fluoranthene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(1.3)
Fluorene	mg/kg	R	R	R	R	R	R	R
Indeno(1,2,3-cd)pyrene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(1.3)
Naphthalene	mg/kg	0.63	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(1.3)
Phenanthrene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	3.3
Phenol	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(1.3)
Pyrene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	7.6
Total Methylphenols	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(1.3)

See Generic Notes in Table 14.

Table 6. Semivolatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Eastern Property Extention SS-008-CR 0 - 0.5 12/01/97	Eastern Property Extention SS-009-CR 0 - 0.5 12/01/97	Eastern Property Extention SS-010-CR 0 - 0.5 12/01/97	Eastern Property Extention SS-015-CR 0 - 0.5 12/01/97	Eastern Property Extention SS-016-CR 0 - 0.5 12/01/97	Green Point Landfill SB-313 4 - 6 06/07/95	Green Point Landfill SB-389 0 - 0.5 08/11/00
Semivolatile Organics								
1,3,5-Trinitrobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	24	ND(0.33)	ND(0.33)	0.41	0.74	0.34 J	0.30 J
2-Methylphenol	mg/kg	ND(1.2)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.74)	ND(0.39)
4-Methylphenol	mg/kg	ND(1.2)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	0.25 J	ND(0.39)
Acenaphthene	mg/kg	R	R	R	R	R	ND(0.74)	ND(0.39)
Anthracene	mg/kg	ND(1.2)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.74)	ND(0.39)
Benzo(a)anthracene	mg/kg	ND(1.2)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	0.19 J	0.061 J
Benzo(a)pyrene	mg/kg	ND(1.2)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.74)	0.043 J
Benzo(b)fluoranthene	mg/kg	ND(1.2)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.74)	0.082 J
Benzo(g,h,i)perylene	mg/kg	ND(1.2)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	0.078 J	ND(0.39)
Benzo(k)fluoranthene	mg/kg	ND(1.2)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.74)	ND(0.39)
bis(2-Ethylhexyl)phthalate	mg/kg	ND(1.2)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	0.50 J	ND(0.39)
Carbazole	mg/kg	ND(1.2)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.74)	ND(0.39)
Chrysene	mg/kg	ND(1.2)	ND(0.33)	ND(0.33)	0.39	ND(0.33)	0.29 J	0.13 J
Dibenzo(a,h)anthracene	mg/kg	ND(1.2)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.74)	ND(0.39)
Dibenzofuran	mg/kg	ND(1.2)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.74)	0.075 J
Di-n-Butylphthalate	mg/kg	2.6	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.74)	ND(0.39)
Fluoranthene	mg/kg	ND(1.2)	ND(0.33)	ND(0.33)	0.34	ND(0.33)	ND(0.74)	0.13 J
Fluorene	mg/kg	5.4 J	R	R	R	R	ND(0.74)	ND(0.39)
Indeno(1,2,3-cd)pyrene	mg/kg	ND(1.2)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.74)	ND(0.39)
Naphthalene	mg/kg	5.5	ND(0.33)	ND(0.33)	ND(0.33)	0.47	ND(0.74)	0.27 J
Phenanthrene	mg/kg	4.7	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.74)	0.41
Phenol	mg/kg	ND(1.2)	ND(0.33)	ND(0.33)	ND(0.33)	0.57	ND(0.74)	ND(0.39)
Pyrene	mg/kg	3.8	ND(0.33)	ND(0.33)	0.34	ND(0.33)	0.41 J	0.12 J
Total Methylphenols	mg/kg	ND(1.2)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.74)	ND(0.39)

See Generic Notes in Table 14.

Table 6. Semivolatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Green Point Landfill SB-390 0 - 0.5 08/11/00	Green Point Landfill SB-391 0 - 0.5 08/11/00	Green Point Landfill SB-392 0 - 0.5 08/11/00	Green Point Landfill SB-393 0 - 0.5 08/11/00	Green Point Landfill SB-394 0 - 0.5 08/11/00	Green Point Landfill SB-395 0 - 0.5 08/11/00	Green Point Landfill SB-396 0 - 0.5 08/11/00
Semivolatile Organics								
1,3,5-Trinitrobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	ND(0.44)	ND(0.44)	ND(0.44)	1.5
2-Methylphenol	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	ND(0.44)	ND(0.44)	ND(0.44)	0.077 J
4-Methylphenol	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	ND(0.44)	ND(0.44)	ND(0.44)	ND(0.60)
Acenaphthene	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	ND(0.44)	ND(0.44)	ND(0.44)	ND(0.60)
Anthracene	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	0.11 J	ND(0.44)	ND(0.44)	ND(0.60)
Benzo(a)anthracene	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	0.55	ND(0.44)	ND(0.44)	0.079 J
Benzo(a)pyrene	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	0.69	ND(0.44)	ND(0.44)	ND(0.60)
Benzo(b)fluoranthene	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	1.1	0.053 J	ND(0.44)	0.099 J
Benzo(g,h,i)perylene	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	0.40 J	ND(0.44)	ND(0.44)	ND(0.60)
Benzo(k)fluoranthene	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	0.37 J	ND(0.44)	ND(0.44)	ND(0.60)
bis(2-Ethylhexyl)phthalate	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	ND(0.44)	ND(0.44)	ND(0.44)	0.16 J
Carbazole	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	0.079 J	ND(0.44)	ND(0.44)	0.22 J
Chrysene	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	0.76	ND(0.44)	ND(0.44)	0.12 J
Dibenzo(a,h)anthracene	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	0.11 J	ND(0.44)	ND(0.44)	ND(0.60)
Dibenzofuran	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	ND(0.44)	ND(0.44)	ND(0.44)	0.23 J
Di-n-Butylphthalate	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	ND(0.44)	ND(0.44)	ND(0.44)	ND(0.60)
Fluoranthene	mg/kg	ND(0.58)	ND(0.47)	0.064 J	1.5	0.059 J	ND(0.44)	0.16 J
Fluorene	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	ND(0.44)	ND(0.44)	ND(0.44)	0.074 J
Indeno(1,2,3-cd)pyrene	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	0.42 J	ND(0.44)	ND(0.44)	ND(0.60)
Naphthalene	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	ND(0.44)	ND(0.44)	ND(0.44)	0.88
Phenanthrene	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	0.55	ND(0.44)	ND(0.44)	0.64
Phenol	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	ND(0.44)	ND(0.44)	ND(0.44)	1.6
Pyrene	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	1.2	ND(0.44)	ND(0.44)	0.15 J
Total Methylphenols	mg/kg	ND(0.58)	ND(0.47)	ND(0.45)	ND(0.44)	ND(0.44)	ND(0.44)	0.077 J

See Generic Notes in Table 14.

Table 6. Semivolatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Green Point Landfill SB-397 0 - 0.5 08/11/00	Green Point Landfill SB-398 0 - 0.5 08/11/00	Green Point Landfill SB-399 0 - 0.5 08/11/00	Green Point Landfill SB-400 0 - 0.5 08/11/00	Green Point Landfill SB-406 0 - 0.5 08/11/00	Green Point Landfill SB-412 0 - 0.5 08/11/00	Green Point Landfill SB-418 0 - 0.5 08/11/00
Semivolatile Organics								
1,3,5-Trinitrobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	0.26 J	ND(0.40)	ND(0.41)	ND(0.53)	0.73	0.24 J	ND(0.43) [ND(0.46)]
2-Methylphenol	mg/kg	ND(0.46)	ND(0.40)	ND(0.41)	ND(0.53)	0.040 J	ND(0.58)	ND(0.43) [ND(0.46)]
4-Methylphenol	mg/kg	ND(0.46)	ND(0.40)	ND(0.41)	ND(0.53)	ND(0.36)	ND(0.58)	ND(0.43) [ND(0.46)]
Acenaphthene	mg/kg	ND(0.46)	ND(0.40)	ND(0.41)	ND(0.53)	ND(0.36)	ND(0.58)	ND(0.43) [ND(0.46)]
Anthracene	mg/kg	ND(0.46)	ND(0.40)	ND(0.41)	ND(0.53)	ND(0.36)	ND(0.58)	ND(0.43) [ND(0.46)]
Benzo(a)anthracene	mg/kg	ND(0.46)	0.096 J	ND(0.41)	ND(0.53)	0.040 J	ND(0.58)	ND(0.43) [ND(0.46)]
Benzo(a)pyrene	mg/kg	ND(0.46)	0.13 J	0.049 J	ND(0.53)	ND(0.36)	ND(0.58)	ND(0.43) [ND(0.46)]
Benzo(b)fluoranthene	mg/kg	ND(0.46)	0.17 J	0.066 J	ND(0.53)	0.047 J	ND(0.58)	ND(0.43) [ND(0.46)]
Benzo(g,h,i)perylene	mg/kg	ND(0.46)	0.079 J	ND(0.41)	ND(0.53)	ND(0.36)	ND(0.58)	ND(0.43) [ND(0.46)]
Benzo(k)fluoranthene	mg/kg	ND(0.46)	0.064 J	ND(0.41)	ND(0.53)	ND(0.36)	ND(0.58)	ND(0.43) [ND(0.46)]
bis(2-Ethylhexyl)phthalate	mg/kg	ND(0.46)	ND(0.40)	ND(0.41)	ND(0.53)	ND(0.36)	ND(0.58)	ND(0.43) [ND(0.46)]
Carbazole	mg/kg	ND(0.46)	ND(0.40)	ND(0.41)	ND(0.53)	ND(0.36)	ND(0.58)	ND(0.43) [ND(0.46)]
Chrysene	mg/kg	ND(0.46)	0.11 J	ND(0.41)	ND(0.53)	0.063 J	ND(0.58)	ND(0.43) [ND(0.46)]
Dibenzo(a,h)anthracene	mg/kg	ND(0.46)	ND(0.40)	ND(0.41)	ND(0.53)	ND(0.36)	ND(0.58)	ND(0.43) [ND(0.46)]
Dibenzofuran	mg/kg	0.061 J	ND(0.40)	ND(0.41)	ND(0.53)	0.13 J	ND(0.58)	ND(0.43) [ND(0.46)]
Di-n-Butylphthalate	mg/kg	ND(0.46)	ND(0.40)	ND(0.41)	ND(0.53)	ND(0.36)	ND(0.58)	ND(0.43) [ND(0.46)]
Fluoranthene	mg/kg	ND(0.46)	0.18 J	0.085 J	ND(0.53)	0.085 J	ND(0.58)	ND(0.43) [ND(0.46)]
Fluorene	mg/kg	ND(0.46)	ND(0.40)	ND(0.41)	ND(0.53)	ND(0.36)	ND(0.58)	ND(0.43) [ND(0.46)]
Indeno(1,2,3-cd)pyrene	mg/kg	ND(0.46)	0.081 J	ND(0.41)	ND(0.53)	ND(0.36)	ND(0.58)	ND(0.43) [ND(0.46)]
Naphthalene	mg/kg	0.19 J	ND(0.40)	ND(0.41)	ND(0.53)	0.47	0.16 J	ND(0.43) [ND(0.46)]
Phenanthrene	mg/kg	0.19 J	0.093 J	ND(0.41)	ND(0.53)	0.36	0.12 J	ND(0.43) [ND(0.46)]
Phenol	mg/kg	ND(0.46)	ND(0.40)	ND(0.41)	ND(0.53)	0.14 J	ND(0.58)	ND(0.43) [ND(0.46)]
Pyrene	mg/kg	ND(0.46)	0.14 J	ND(0.41)	ND(0.53)	0.079 J	ND(0.58)	ND(0.43) [ND(0.46)]
Total Methylphenols	mg/kg	ND(0.46)	ND(0.40)	ND(0.41)	ND(0.53)	0.040 J	ND(0.58)	ND(0.43) [ND(0.46)]

See Generic Notes in Table 14.

Table 6. Semivolatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Previously Proposed Type III Landfill Area TP1 0 - 4 05/22/98	Previously Proposed Type III Landfill Area TP1 4 - 8 05/22/98	Previously Proposed Type III Landfill Area TP2 0 - 4 05/22/98
Semivolatile Organics				
1,3,5-Trinitrobenzene	mg/kg	NA	NA	NA
2-Methylnaphthalene	mg/kg	0.85	1.1	1.0
2-Methylphenol	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
4-Methylphenol	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Acenaphthene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Anthracene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(a)anthracene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(a)pyrene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(b)fluoranthene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(g,h,i)perylene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(k)fluoranthene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
bis(2-Ethylhexyl)phthalate	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Carbazole	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Chrysene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Dibenzo(a,h)anthracene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Dibenzofuran	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Di-n-Butylphthalate	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Fluoranthene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Fluorene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Indeno(1,2,3-cd)pyrene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Naphthalene	mg/kg	0.69	0.87	0.70
Phenanthrene	mg/kg	0.47	0.63	0.53
Phenol	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Pyrene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Total Methylphenols	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)

See Generic Notes in Table 14.

Table 6. Semivolatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Previously Proposed Type III Landfill Area TP2 4 - 8 05/22/98	Previously Proposed Type III Landfill Area TP3 0 - 4 05/22/98	Previously Proposed Type III Landfill Area TP3 4 - 8 05/22/98
Semivolatile Organics				
1,3,5-Trinitrobenzene	mg/kg	NA	NA	NA
2-Methylnaphthalene	mg/kg	1.2	0.67	1.1
2-Methylphenol	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
4-Methylphenol	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Acenaphthene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Anthracene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(a)anthracene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(a)pyrene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(b)fluoranthene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(g,h,i)perylene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(k)fluoranthene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
bis(2-Ethylhexyl)phthalate	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Carbazole	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Chrysene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Dibenzo(a,h)anthracene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Dibenzofuran	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Di-n-Butylphthalate	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Fluoranthene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Fluorene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Indeno(1,2,3-cd)pyrene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Naphthalene	mg/kg	0.76	0.47	0.88
Phenanthrene	mg/kg	0.49	0.35	0.53
Phenol	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Pyrene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Total Methylphenols	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)

See Generic Notes in Table 14.

Table 6. Semivolatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Previously Proposed Type III Landfill Area TP4 0 - 4 05/22/98	Previously Proposed Type III Landfill Area TP4 4 - 8 05/22/98	Previously Proposed Type III Landfill Area TP5 0 - 4 05/22/98
Semivolatile Organics				
1,3,5-Trinitrobenzene	mg/kg	NA	NA	NA
2-Methylnaphthalene	mg/kg	0.80	1.5	0.71
2-Methylphenol	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
4-Methylphenol	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Acenaphthene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Anthracene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(a)anthracene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(a)pyrene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(b)fluoranthene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(g,h,i)perylene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(k)fluoranthene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
bis(2-Ethylhexyl)phthalate	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Carbazole	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Chrysene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Dibenzo(a,h)anthracene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Dibenzofuran	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Di-n-Butylphthalate	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Fluoranthene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Fluorene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Indeno(1,2,3-cd)pyrene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Naphthalene	mg/kg	0.47	0.92	0.50
Phenanthrene	mg/kg	0.33	0.57	0.46
Phenol	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Pyrene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Total Methylphenols	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)

See Generic Notes in Table 14.

Table 6. Semivolatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Previously Proposed Type III Landfill Area TP5 4 - 8 05/22/98	Previously Proposed Type III Landfill Area TP6 0 - 4 05/22/98	Previously Proposed Type III Landfill Area TP6 4 - 8 05/22/98
Semivolatile Organics				
1,3,5-Trinitrobenzene	mg/kg	NA	NA	NA
2-Methylnaphthalene	mg/kg	1.1	1.6	1.6
2-Methylphenol	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
4-Methylphenol	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Acenaphthene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Anthracene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(a)anthracene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(a)pyrene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(b)fluoranthene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(g,h,i)perylene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(k)fluoranthene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
bis(2-Ethylhexyl)phthalate	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Carbazole	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Chrysene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Dibenzo(a,h)anthracene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Dibenzofuran	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Di-n-Butylphthalate	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Fluoranthene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Fluorene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Indeno(1,2,3-cd)pyrene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Naphthalene	mg/kg	0.66	1.1	1.1
Phenanthrene	mg/kg	0.45	0.69	0.73
Phenol	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Pyrene	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)
Total Methylphenols	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)

See Generic Notes in Table 14.

Table 6. Semivolatile Organic Compounds Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Previously Proposed Type III Landfill Area TP7 0 - 4 05/22/98
Semivolatile Organics		
1,3,5-Trinitrobenzene	mg/kg	NA
2-Methylnaphthalene	mg/kg	0.58
2-Methylphenol	mg/kg	ND(0.33)
4-Methylphenol	mg/kg	ND(0.33)
Acenaphthene	mg/kg	ND(0.33)
Anthracene	mg/kg	ND(0.33)
Benzo(a)anthracene	mg/kg	ND(0.33)
Benzo(a)pyrene	mg/kg	ND(0.33)
Benzo(b)fluoranthene	mg/kg	ND(0.33)
Benzo(g,h,i)perylene	mg/kg	ND(0.33)
Benzo(k)fluoranthene	mg/kg	ND(0.33)
bis(2-Ethylhexyl)phthalate	mg/kg	ND(0.33)
Carbazole	mg/kg	ND(0.33)
Chrysene	mg/kg	ND(0.33)
Dibenzo(a,h)anthracene	mg/kg	ND(0.33)
Dibenzofuran	mg/kg	ND(0.33)
Di-n-Butylphthalate	mg/kg	ND(0.33)
Fluoranthene	mg/kg	ND(0.33)
Fluorene	mg/kg	ND(0.33)
Indeno(1,2,3-cd)pyrene	mg/kg	ND(0.33)
Naphthalene	mg/kg	0.37
Phenanthrene	mg/kg	ND(0.33)
Phenol	mg/kg	ND(0.33)
Pyrene	mg/kg	ND(0.33)
Total Methylphenols	mg/kg	ND(0.33)

See Generic Notes in Table 14.

Table 7. PCB's, Pesticides, Herbicides, Dioxins/Furans Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area Location ID Sample Depth(ft BGS): Date Collected:	Units	GCCP	IDC	IDWP	IPSIC	ISVIA	IVSICI	Drum Remediation/Wetland Area MW-126WT 14 - 16 02/08/95	Drum Remediation/Wetland Area TP-2 8 - 8.5 03/23/95
PCBs									
Aroclor-1248	mg/kg	--	--	--	--	--	--	ND(0.19)	ND(2.1)
Aroclor-1254	mg/kg	--	--	--	--	--	--	ND(0.19)	ND(4.2)
Aroclor-1260	mg/kg	--	--	--	--	--	--	ND(0.19)	ND(4.2)
Total PCBs	mg/kg	{NLL}	16 {J,T}	{NLL}	6,500 {J,T}	16,000 {J,T}	810 {J,T}	ND(0.19)	ND(4.2)
Organochlorine Pesticides									
None Detected	--	--	--	--	--	--	--	--	--
Organophosphate Pesticides									
None Detected	--	--	--	--	--	--	--	--	NA
Herbicides									
None Detected	--	--	--	--	--	--	--	--	NA
Dioxins/Furans									
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/kg	--	--	--	--	--	--	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/kg	--	--	--	--	--	--	NA	NA
1,2,3,4,6,7,8-HpCDD	mg/kg	--	--	--	--	--	--	NA	NA
1,2,3,4,6,7,8-HpCDF	mg/kg	--	--	--	--	--	--	NA	NA
1,2,3,4,7,8,9-HpCDF	mg/kg	--	--	--	--	--	--	NA	NA
1,2,3,4,7,8-HxCDF	mg/kg	--	--	--	--	--	--	NA	NA
1,2,3,6,7,8-HxCDD	mg/kg	--	--	--	--	--	--	NA	NA
1,2,3,6,7,8-HxCDF	mg/kg	--	--	--	--	--	--	NA	NA
1,2,3,7,8-PeCDF	mg/kg	--	--	--	--	--	--	NA	NA
2,3,4,6,7,8-HxCDF	mg/kg	--	--	--	--	--	--	NA	NA
2,3,4,7,8-PeCDF	mg/kg	--	--	--	--	--	--	NA	NA
2,3,7,8-TCDD	mg/kg	--	--	--	--	--	--	ND(0.00000068)	NA
2,3,7,8-TCDF	mg/kg	--	--	--	--	--	--	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/kg	--	--	--	--	--	--	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/kg	--	--	--	--	--	--	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/kg	--	--	--	--	--	--	ND(0.00000054)	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/kg	--	--	--	--	--	--	ND(0.0000019)	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/kg	--	--	--	--	--	--	ND(0.00000073)	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/kg	--	--	--	--	--	--	ND(0.00000042)	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/kg	--	--	--	--	--	--	ND(0.000001)	NA
Total TEQ	mg/kg	{NLL}	0.00099 {O}	{NLL}	0.089 {O}	{NLV}	{NLV}	NA	NA
TPH									
Total Petroleum Hydrocarbons	mg/kg	--	--	--	--	--	--	NA	NA
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	--	--	--	--	--	--	NA	NA
Miscellaneous									
Total Solids	%	--	--	--	--	--	--	87.5	79.5

See Generic Notes in Table 14.

Table 7. PCB's, Pesticides, Herbicides, Dioxins/Furans Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area Location ID Sample Depth(ft BGS): Date Collected:	Units	Drum Remediation/Wetland Area TP-6 8 - 8.5 03/22/95	Drum Remediation/Wetland Area TP-12 7.8 - 8 03/23/95	Drum Remediation/Wetland Area WMB-1 3 - 3.5 01/22/97
PCBs				
Aroclor-1248	mg/kg	7.9	21	ND(0.19)
Aroclor-1254	mg/kg	ND(4.1)	ND(7.9)	ND(0.19)
Aroclor-1260	mg/kg	ND(4.1)	ND(7.9)	ND(0.19)
Total PCBs	mg/kg	7.9	21 (IDC)	ND(0.19)
Organochlorine Pesticides				
None Detected	--	--	--	NA
Organophosphate Pesticides				
None Detected	--	NA	NA	NA
Herbicides				
None Detected	--	NA	NA	NA
Dioxins/Furans				
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/kg	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/kg	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	mg/kg	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	mg/kg	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	mg/kg	NA	NA	NA
1,2,3,4,7,8-HxCDF	mg/kg	NA	NA	NA
1,2,3,6,7,8-HxCDD	mg/kg	NA	NA	NA
1,2,3,6,7,8-HxCDF	mg/kg	NA	NA	NA
1,2,3,7,8-PeCDF	mg/kg	NA	NA	NA
2,3,4,6,7,8-HxCDF	mg/kg	NA	NA	NA
2,3,4,7,8-PeCDF	mg/kg	NA	NA	NA
2,3,7,8-TCDD	mg/kg	NA	NA	NA
2,3,7,8-TCDF	mg/kg	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/kg	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/kg	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/kg	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/kg	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/kg	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/kg	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/kg	NA	NA	NA
Total TEQ	mg/kg	NA	NA	NA
TPH				
Total Petroleum Hydrocarbons	mg/kg	NA	NA	NA
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NA	NA	NA
Miscellaneous				
Total Solids	%	81.1	84.6	84.8

Table 7. PCB's, Pesticides, Herbicides, Dioxins/Furans Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area Location ID Sample Depth(ft BGS): Date Collected:	Units	Drum Remediation/Wetland Area WMB-2 3 - 3.5 01/22/97	Drum Remediation/Wetland Area WMB-3 5 - 5.5 01/22/97	Drum Remediation/Wetland Area WMB-4 0.5 - 1 01/22/97
PCBs				
Aroclor-1248	mg/kg	ND(0.23)	ND(0.20)	ND(0.24)
Aroclor-1254	mg/kg	ND(0.23)	ND(0.20)	ND(0.24)
Aroclor-1260	mg/kg	ND(0.23)	ND(0.20)	ND(0.24)
Total PCBs	mg/kg	ND(0.23)	ND(0.20)	ND(0.24)
Organochlorine Pesticides				
None Detected	--	NA	NA	NA
Organophosphate Pesticides				
None Detected	--	NA	NA	NA
Herbicides				
None Detected	--	NA	NA	NA
Dioxins/Furans				
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/kg	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/kg	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	mg/kg	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	mg/kg	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	mg/kg	NA	NA	NA
1,2,3,4,7,8-HxCDF	mg/kg	NA	NA	NA
1,2,3,6,7,8-HxCDD	mg/kg	NA	NA	NA
1,2,3,6,7,8-HxCDF	mg/kg	NA	NA	NA
1,2,3,7,8-PeCDF	mg/kg	NA	NA	NA
2,3,4,6,7,8-HxCDF	mg/kg	NA	NA	NA
2,3,4,7,8-PeCDF	mg/kg	NA	NA	NA
2,3,7,8-TCDD	mg/kg	NA	NA	NA
2,3,7,8-TCDF	mg/kg	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/kg	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/kg	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/kg	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/kg	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/kg	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/kg	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/kg	NA	NA	NA
Total TEQ	mg/kg	NA	NA	NA
TPH				
Total Petroleum Hydrocarbons	mg/kg	NA	NA	NA
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NA	NA	NA
Miscellaneous				
Total Solids	%	70.8	82.5	69.7

See Generic Notes in Table 14.

Table 7. PCB's, Pesticides, Herbicides, Dioxins/Furans Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area Location ID Sample Depth(ft BGS): Date Collected:	Units	Drum Remediation/Wetland Area WMB-5 0.5 - 1 01/22/97	Drum Remediation/Wetland Area WMB-6 4 - 4.5 01/22/97	Eastern Property Extention BH1 0 - 1 03/06/07	Eastern Property Extention BH01 0 - 2 11/26/97
PCBs					
Aroclor-1248	mg/kg	ND(0.23)	ND(0.22)	NA	ND(0.33)
Aroclor-1254	mg/kg	ND(0.23)	ND(0.22)	NA	ND(0.33)
Aroclor-1260	mg/kg	ND(0.23)	ND(0.22)	NA	ND(0.33)
Total PCBs	mg/kg	ND(0.23)	ND(0.22)	NA	ND(0.33)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	--
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/kg	NA	NA	0.000044	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/kg	NA	NA	0.00014	NA
1,2,3,4,6,7,8-HpCDD	mg/kg	NA	NA	0.000015	NA
1,2,3,4,6,7,8-HpCDF	mg/kg	NA	NA	0.000033	NA
1,2,3,4,7,8,9-HpCDF	mg/kg	NA	NA	ND(0.0000019)	NA
1,2,3,4,7,8-HxCDF	mg/kg	NA	NA	0.00002	NA
1,2,3,6,7,8-HxCDD	mg/kg	NA	NA	ND(0.0000011)	NA
1,2,3,6,7,8-HxCDF	mg/kg	NA	NA	0.0000048 J	NA
1,2,3,7,8-PeCDF	mg/kg	NA	NA	0.000036	NA
2,3,4,6,7,8-HxCDF	mg/kg	NA	NA	ND(0.000002)	NA
2,3,4,7,8-PeCDF	mg/kg	NA	NA	0.000026	NA
2,3,7,8-TCDD	mg/kg	NA	NA	0.0000008 J	NA
2,3,7,8-TCDF	mg/kg	NA	NA	0.000069	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/kg	NA	NA	0.000059 J	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/kg	NA	NA	0.000029 J	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/kg	NA	NA	0.000035 J	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/kg	NA	NA	0.0000033 J	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/kg	NA	NA	0.0001 J	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/kg	NA	NA	0.00015 J	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/kg	NA	NA	0.0000019 J	NA
Total TEQ	mg/kg	NA	NA	0.000025644	NA
TPH					
Total Petroleum Hydrocarbons	mg/kg	NA	NA	NA	NA
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NA	NA	NA	NA
Miscellaneous					
Total Solids	%	72.2	73.4	78.3	NA

See Generic Notes in Table 14.

Table 7. PCB's, Pesticides, Herbicides, Dioxins/Furans Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area Location ID Sample Depth(ft BGS): Date Collected:	Units	Eastern Property Extention BH1 1 - 2 03/06/07	Eastern Property Extention BH2 0 - 1 03/06/07	Eastern Property Extention BH2 1 - 2 03/06/07	Eastern Property Extention BH02 2 - 4 11/26/97
PCBs					
Aroclor-1248	mg/kg	NA	NA	NA	ND(0.33)
Aroclor-1254	mg/kg	NA	NA	NA	ND(0.33)
Aroclor-1260	mg/kg	NA	NA	NA	ND(0.33)
Total PCBs	mg/kg	NA	NA	NA	ND(0.33)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	--
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/kg	ND(0.00000085)	0.000078	0.000058	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/kg	0.0000088 J	0.00026	0.00025	NA
1,2,3,4,6,7,8-HpCDD	mg/kg	ND(0.0000006)	0.00003	0.000019	NA
1,2,3,4,6,7,8-HpCDF	mg/kg	ND(0.00000054)	0.000069	0.000046	NA
1,2,3,4,7,8,9-HpCDF	mg/kg	ND(0.00000029)	0.0000065 J	0.0000048 J	NA
1,2,3,4,7,8-HxCDF	mg/kg	ND(0.00000036)	0.000075	0.000056	NA
1,2,3,6,7,8-HxCDD	mg/kg	ND(0.00000028)	ND(0.0000022)	ND(0.0000017)	NA
1,2,3,6,7,8-HxCDF	mg/kg	ND(0.00000019)	0.000017	0.000012	NA
1,2,3,7,8-PeCDF	mg/kg	ND(0.00000041)	0.00014	0.0001	NA
2,3,4,6,7,8-HxCDF	mg/kg	ND(0.0000002)	0.0000066 J	0.0000047 J	NA
2,3,4,7,8-PeCDF	mg/kg	ND(0.00000037)	0.000092	0.000068	NA
2,3,7,8-TCDD	mg/kg	ND(0.00000028)	0.00000097 J	0.00000087 J	NA
2,3,7,8-TCDF	mg/kg	ND(0.00000045)	0.00026	0.0002	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/kg	ND(0.00000054)	0.00012 J	0.000085 J	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/kg	ND(0.00000084)	0.000057 J	0.000036 J	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/kg	ND(0.00000036)	0.00014 J	0.0001 J	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/kg	ND(0.00000039)	0.0000098 J	0.0000041 J	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/kg	ND(0.0000006)	0.00041 J	0.00031 J	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/kg	ND(0.00000045)	0.00049 J	0.00039 J	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/kg	ND(0.00000028)	0.0000039 J	0.0000038 J	NA
Total TEQ	mg/kg	0.0000000088	0.000091223	0.000068146	NA
TPH					
Total Petroleum Hydrocarbons	mg/kg	NA	NA	NA	NA
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NA	NA	NA	NA
Miscellaneous					
Total Solids	%	75.3	71.4	76.3	NA

See Generic Notes in Table 14.

Table 7. PCB's, Pesticides, Herbicides, Dioxins/Furans Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area Location ID Sample Depth(ft BGS): Date Collected:	Units	Eastern Property Extention BH3 0 - 1 03/06/07	Eastern Property Extention BH3 1 - 2 03/06/07	Eastern Property Extention BH03 2 - 4 11/26/97	Eastern Property Extention BH4 0 - 1 03/06/07
PCBs					
Aroclor-1248	mg/kg	NA	NA	8.4	NA
Aroclor-1254	mg/kg	NA	NA	ND(0.33)	NA
Aroclor-1260	mg/kg	NA	NA	1.5	NA
Total PCBs	mg/kg	NA	NA	9.9	NA
Organochlorine Pesticides					
None Detected	--	NA	NA	--	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/kg	0.00015	ND(0.0000012) [ND(0.0000018)]	NA	0.0000074 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/kg	0.00046	0.0000074 J [0.0000083 J]	NA	0.000033
1,2,3,4,6,7,8-HpCDD	mg/kg	0.000049	ND(0.00000074) [ND(0.00000088)]	NA	0.0000035 J
1,2,3,4,6,7,8-HpCDF	mg/kg	0.00015	ND(0.0000011) [ND(0.0000017)]	NA	0.0000072
1,2,3,4,7,8,9-HpCDF	mg/kg	0.0000098	ND(0.00000026) [ND(0.00000028)]	NA	ND(0.00000027)
1,2,3,4,7,8-HxCDF	mg/kg	0.00012	ND(0.00000079) [ND(0.0000026)]	NA	ND(0.000002)
1,2,3,6,7,8-HxCDD	mg/kg	0.0000034 J	ND(0.00000034) [ND(0.00000031)]	NA	ND(0.00000032)
1,2,3,6,7,8-HxCDF	mg/kg	0.000025	ND(0.00000033) [ND(0.00000059)]	NA	ND(0.00000062)
1,2,3,7,8-PeCDF	mg/kg	0.00019	ND(0.0000011) [0.0000037 J]	NA	ND(0.000003)
2,3,4,6,7,8-HxCDF	mg/kg	0.000011	ND(0.00000019) [ND(0.00000023)]	NA	ND(0.00000022)
2,3,4,7,8-PeCDF	mg/kg	0.00014	ND(0.00000079) [ND(0.0000024)]	NA	ND(0.0000019)
2,3,7,8-TCDD	mg/kg	0.0000013 J	ND(0.00000021) [ND(0.00000023)]	NA	ND(0.00000025)
2,3,7,8-TCDF	mg/kg	0.00038	0.0000018 [0.0000044]	NA	0.0000041
Total Heptachlorodibenzofuran (HpCDF)	mg/kg	0.00027 J	ND(0.0000011) [ND(0.0000017)]	NA	0.000012 J
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/kg	0.000086 J	ND(0.00000074) [ND(0.00000091)]	NA	0.0000035 J
Total Hexachlorodibenzofuran (HxCDF)	mg/kg	0.00023 J	ND(0.00000079) [ND(0.0000026)]	NA	ND(0.000002)
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/kg	0.000024 J	ND(0.00000045) [ND(0.0000007)]	NA	ND(0.00000075)
Total Pentachlorodibenzofuran (PeCDF)	mg/kg	0.0006 J	ND(0.0000011) [0.0000037 J]	NA	ND(0.000003)
Total Tetrachlorodibenzofuran (TCDF)	mg/kg	0.0007 J	0.0000036 J [0.0000091 J]	NA	0.000008 J
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/kg	0.0000079 J	ND(0.00000021) [ND(0.00000033)]	NA	ND(0.00000025)
Total TEQ	mg/kg	0.000137438	0.0000001874 [0.0000006283]	NA	0.0000005574
TPH					
Total Petroleum Hydrocarbons	mg/kg	NA	NA	NA	NA
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NA	NA	NA	NA
Miscellaneous					
Total Solids	%	73.6	79.4 [78]	NA	79.1

See Generic Notes in Table 14.

Table 7. PCB's, Pesticides, Herbicides, Dioxins/Furans Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area Location ID Sample Depth(ft BGS): Date Collected:	Units	Eastern Property Extention BH4 1 - 2 03/06/07	Eastern Property Extention BH04 2 - 4 11/26/97	Eastern Property Extention BH5 0 - 1 03/06/07	Eastern Property Extention BH5 1 - 2 03/06/07
PCBs					
Aroclor-1248	mg/kg	NA	ND(0.33)	NA	NA
Aroclor-1254	mg/kg	NA	ND(0.33)	NA	NA
Aroclor-1260	mg/kg	NA	ND(0.33)	NA	NA
Total PCBs	mg/kg	NA	ND(0.33)	NA	NA
Organochlorine Pesticides					
None Detected	--	NA	--	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/kg	ND(0.00000048)	NA	0.00026	ND(0.00000094)
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/kg	ND(0.0000036)	NA	0.00057	ND(0.0000046)
1,2,3,4,6,7,8-HpCDD	mg/kg	ND(0.00000051)	NA	0.000058	ND(0.00000043)
1,2,3,4,6,7,8-HpCDF	mg/kg	ND(0.00000033)	NA	0.00033	ND(0.0000018)
1,2,3,4,7,8,9-HpCDF	mg/kg	ND(0.00000025)	NA	0.0000089	ND(0.00000032)
1,2,3,4,7,8-HxCDF	mg/kg	ND(0.0000002)	NA	0.000092	ND(0.00000029)
1,2,3,6,7,8-HxCDD	mg/kg	ND(0.00000034)	NA	0.0000043 J	ND(0.00000032)
1,2,3,6,7,8-HxCDF	mg/kg	ND(0.00000018)	NA	0.00002	ND(0.00000019)
1,2,3,7,8-PeCDF	mg/kg	ND(0.00000024)	NA	0.00015	ND(0.00000035)
2,3,4,6,7,8-HxCDF	mg/kg	ND(0.00000022)	NA	0.000009	ND(0.00000023)
2,3,4,7,8-PeCDF	mg/kg	ND(0.00000024)	NA	0.0001	ND(0.00000027)
2,3,7,8-TCDD	mg/kg	ND(0.00000024)	NA	0.0000012 J	ND(0.00000024)
2,3,7,8-TCDF	mg/kg	ND(0.00000024)	NA	0.00028	ND(0.00000035)
Total Heptachlorodibenzofuran (HpCDF)	mg/kg	ND(0.00000042)	NA	0.00051 J	ND(0.0000018)
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/kg	ND(0.00000083)	NA	0.0001 J	ND(0.00000061)
Total Hexachlorodibenzofuran (HxCDF)	mg/kg	ND(0.00000022)	NA	0.00021 J	ND(0.00000043)
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/kg	ND(0.00000046)	NA	0.000025 J	ND(0.00000051)
Total Pentachlorodibenzofuran (PeCDF)	mg/kg	ND(0.00000077)	NA	0.00045 J	ND(0.00000078)
Total Tetrachlorodibenzofuran (TCDF)	mg/kg	ND(0.00000024)	NA	0.00057 J	ND(0.00000035)
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/kg	ND(0.00000024)	NA	0.0000088 J	ND(0.00000024)
Total TEQ	mg/kg	ND	NA	0.000104029	ND
TPH					
Total Petroleum Hydrocarbons	mg/kg	NA	NA	NA	NA
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NA	NA	NA	NA
Miscellaneous					
Total Solids	%	76.3	NA	75.7	79.1

See Generic Notes in Table 14.

Table 7. PCB's, Pesticides, Herbicides, Dioxins/Furans Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area Location ID Sample Depth(ft BGS): Date Collected:	Units	Eastern Property Extention BH05 2 - 4 11/26/97	Eastern Property Extention BH6 0 - 1 03/06/07	Eastern Property Extention BH6 1 - 2 03/06/07	Eastern Property Extention BH06 2 - 4 11/26/97
PCBs					
Aroclor-1248	mg/kg	ND(0.33)	NA	NA	ND(0.33)
Aroclor-1254	mg/kg	ND(0.33)	NA	NA	0.73
Aroclor-1260	mg/kg	ND(0.33)	NA	NA	ND(0.33)
Total PCBs	mg/kg	ND(0.33)	NA	NA	0.73
Organochlorine Pesticides					
None Detected	--	--	NA	NA	--
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/kg	NA	0.000087	ND(0.0000011)	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/kg	NA	0.00027 J	0.0000095 J	NA
1,2,3,4,6,7,8-HpCDD	mg/kg	NA	0.000031	ND(0.00000087)	NA
1,2,3,4,6,7,8-HpCDF	mg/kg	NA	0.000091	ND(0.00000078)	NA
1,2,3,4,7,8,9-HpCDF	mg/kg	NA	0.0000058 J	ND(0.00000048)	NA
1,2,3,4,7,8-HxCDF	mg/kg	NA	0.000074	ND(0.00000099)	NA
1,2,3,6,7,8-HxCDD	mg/kg	NA	ND(0.0000017)	ND(0.00000045)	NA
1,2,3,6,7,8-HxCDF	mg/kg	NA	0.000017	ND(0.00000042)	NA
1,2,3,7,8-PeCDF	mg/kg	NA	0.00011	ND(0.0000013)	NA
2,3,4,6,7,8-HxCDF	mg/kg	NA	0.0000069	ND(0.00000033)	NA
2,3,4,7,8-PeCDF	mg/kg	NA	0.000078	ND(0.00000071)	NA
2,3,7,8-TCDD	mg/kg	NA	0.00000075 J	ND(0.0000003)	NA
2,3,7,8-TCDF	mg/kg	NA	0.00019	0.0000019	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/kg	NA	0.00015 J	ND(0.00000078)	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/kg	NA	0.000056 J	ND(0.000001)	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/kg	NA	0.00014 J	ND(0.00000099)	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/kg	NA	0.0000085 J	ND(0.0000013)	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/kg	NA	0.00034 J	ND(0.0000013)	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/kg	NA	0.00041 J	0.0000039 J	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/kg	NA	0.0000034 J	ND(0.0000003)	NA
Total TEQ	mg/kg	NA	0.000075675	0.0000001995	NA
TPH					
Total Petroleum Hydrocarbons	mg/kg	NA	NA	NA	NA
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NA	NA	NA	NA
Miscellaneous					
Total Solids	%	NA	78.4	77.7	NA

See Generic Notes in Table 14.

Table 7. PCB's, Pesticides, Herbicides, Dioxins/Furans Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area Location ID Sample Depth(ft BGS): Date Collected:	Units	Eastern Property Extention SS-007-CR 0 - 0.5 12/01/97	Eastern Property Extention SS-008-CR 0 - 0.5 12/01/97	Eastern Property Extention SS-009-CR 0 - 0.5 12/01/97	Eastern Property Extention SS-010-CR 0 - 0.5 12/01/97
PCBs					
Aroclor-1248	mg/kg	ND(0.33 J)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1254	mg/kg	ND(0.33 J)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1260	mg/kg	ND(0.33 J)	ND(0.33)	ND(0.33)	ND(0.33)
Total PCBs	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Organochlorine Pesticides					
None Detected	--	NA	NA	--	--
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	--	--
Dioxins/Furans					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/kg	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/kg	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	mg/kg	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	mg/kg	NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	mg/kg	NA	NA	NA	NA
1,2,3,4,7,8-HxCDF	mg/kg	NA	NA	NA	NA
1,2,3,6,7,8-HxCDD	mg/kg	NA	NA	NA	NA
1,2,3,6,7,8-HxCDF	mg/kg	NA	NA	NA	NA
1,2,3,7,8-PeCDF	mg/kg	NA	NA	NA	NA
2,3,4,6,7,8-HxCDF	mg/kg	NA	NA	NA	NA
2,3,4,7,8-PeCDF	mg/kg	NA	NA	NA	NA
2,3,7,8-TCDD	mg/kg	NA	NA	0.00077 SJ	0.000092 J
2,3,7,8-TCDF	mg/kg	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/kg	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/kg	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/kg	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/kg	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/kg	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/kg	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/kg	NA	NA	NA	NA
Total TEQ	mg/kg	NA	NA	NA	NA
TPH					
Total Petroleum Hydrocarbons	mg/kg	24,000	23,000	NA	NA
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NA	NA	NA	NA
Miscellaneous					
Total Solids	%	79.7	83.4	NA	NA

See Generic Notes in Table 14.

Table 7. PCB's, Pesticides, Herbicides, Dioxins/Furans Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area Location ID Sample Depth(ft BGS): Date Collected:	Units	Eastern Property Extention SS-011-CR 0 - 0.5 12/01/97	Eastern Property Extention SS-012-CR 0 - 0.5 12/01/97	Eastern Property Extention SS-015-CR 0 - 0.5 12/01/97	Eastern Property Extention SS-016-CR 0 - 0.5 12/01/97
PCBs					
Aroclor-1248	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1254	mg/kg	1.0	0.52	ND(0.33)	ND(0.33)
Aroclor-1260	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Total PCBs	mg/kg	1.0	0.52	ND(0.33)	ND(0.33)
Organochlorine Pesticides					
None Detected	--	--	--	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	--	--	NA	NA
Dioxins/Furans					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/kg	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/kg	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	mg/kg	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	mg/kg	NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	mg/kg	NA	NA	NA	NA
1,2,3,4,7,8-HxCDF	mg/kg	NA	NA	NA	NA
1,2,3,6,7,8-HxCDD	mg/kg	NA	NA	NA	NA
1,2,3,6,7,8-HxCDF	mg/kg	NA	NA	NA	NA
1,2,3,7,8-PeCDF	mg/kg	NA	NA	NA	NA
2,3,4,6,7,8-HxCDF	mg/kg	NA	NA	NA	NA
2,3,4,7,8-PeCDF	mg/kg	NA	NA	NA	NA
2,3,7,8-TCDD	mg/kg	NA	NA	NA	NA
2,3,7,8-TCDF	mg/kg	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/kg	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/kg	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/kg	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/kg	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/kg	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/kg	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/kg	NA	NA	NA	NA
Total TEQ	mg/kg	NA	NA	NA	NA
TPH					
Total Petroleum Hydrocarbons	mg/kg	NA	NA	NA	NA
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NA	NA	NA	NA
Miscellaneous					
Total Solids	%	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 7. PCB's, Pesticides, Herbicides, Dioxins/Furans Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area Location ID Sample Depth(ft BGS): Date Collected:	Units	Eastern Property Extention SS-017-CR 0 - 0.5 12/01/97	Eastern Property Extention SS-018-CR 0 - 0.5 12/01/97	Green Point Landfill SB-313 4 - 6 06/07/95	Green Point Landfill SB-389 0 - 0.5 08/11/00	Green Point Landfill SB-390 0 - 0.5 08/11/00
PCBs						
Aroclor-1248	mg/kg	ND(0.33)	ND(0.33)	3.7	ND(0.039)	ND(0.058)
Aroclor-1254	mg/kg	ND(0.33)	1.2	ND(1.9)	0.16	ND(0.058)
Aroclor-1260	mg/kg	ND(0.33)	ND(0.33)	ND(1.9)	ND(0.039)	ND(0.058)
Total PCBs	mg/kg	ND(0.33)	1.2	3.7	0.16	ND(0.058)
Organochlorine Pesticides						
None Detected	--	NA	NA	NA	NA	NA
Organophosphate Pesticides						
None Detected	--	NA	NA	NA	NA	NA
Herbicides						
None Detected	--	NA	NA	NA	NA	NA
Dioxins/Furans						
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/kg	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/kg	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	mg/kg	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	mg/kg	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	mg/kg	NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDF	mg/kg	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDD	mg/kg	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDF	mg/kg	NA	NA	NA	NA	NA
1,2,3,7,8-PeCDF	mg/kg	NA	NA	NA	NA	NA
2,3,4,6,7,8-HxCDF	mg/kg	NA	NA	NA	NA	NA
2,3,4,7,8-PeCDF	mg/kg	NA	NA	NA	NA	NA
2,3,7,8-TCDD	mg/kg	NA	NA	NA	NA	NA
2,3,7,8-TCDF	mg/kg	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/kg	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/kg	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/kg	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/kg	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/kg	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/kg	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/kg	NA	NA	NA	NA	NA
Total TEQ	mg/kg	NA	NA	NA	NA	NA
TPH						
Total Petroleum Hydrocarbons	mg/kg	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NA	NA	1,400	NA	NA
Miscellaneous						
Total Solids	%	NA	NA	89.3	85.6	57.3

See Generic Notes in Table 14.

Table 7. PCB's, Pesticides, Herbicides, Dioxins/Furans Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area Location ID Sample Depth(ft BGS): Date Collected:	Units	Green Point Landfill SB-391 0 - 0.5 08/11/00	Green Point Landfill SB-392 0 - 0.5 08/11/00	Green Point Landfill SB-393 0 - 0.5 08/11/00	Green Point Landfill SB-394 0 - 0.5 08/11/00	Green Point Landfill SB-395 0 - 0.5 08/11/00	Green Point Landfill SB-396 0 - 0.5 08/11/00
PCBs							
Aroclor-1248	mg/kg	ND(0.047)	ND(0.045)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.060)
Aroclor-1254	mg/kg	ND(0.047)	ND(0.045)	0.069	ND(0.044)	ND(0.044)	0.038 J
Aroclor-1260	mg/kg	ND(0.047)	ND(0.045)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.060)
Total PCBs	mg/kg	ND(0.047)	ND(0.045)	0.069	ND(0.044)	ND(0.044)	0.038 J
Organochlorine Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	--	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/kg	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/kg	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	mg/kg	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	mg/kg	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	mg/kg	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDF	mg/kg	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDD	mg/kg	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDF	mg/kg	NA	NA	NA	NA	NA	NA
1,2,3,7,8-PeCDF	mg/kg	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-HxCDF	mg/kg	NA	NA	NA	NA	NA	NA
2,3,4,7,8-PeCDF	mg/kg	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD	mg/kg	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDF	mg/kg	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/kg	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/kg	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/kg	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/kg	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/kg	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/kg	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/kg	NA	NA	NA	NA	NA	NA
Total TEQ	mg/kg	NA	NA	NA	NA	NA	NA
TPH							
Total Petroleum Hydrocarbons	mg/kg	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NA	NA	NA	NA	NA	NA
Miscellaneous							
Total Solids	%	70.5	73.7	74.5	74.2	74.4	54.6

See Generic Notes in Table 14.

Table 7. PCB's, Pesticides, Herbicides, Dioxins/Furans Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area Location ID Sample Depth(ft BGS): Date Collected:	Units	Green Point Landfill SB-397 0 - 0.5 08/11/00	Green Point Landfill SB-398 0 - 0.5 08/11/00	Green Point Landfill SB-399 0 - 0.5 08/11/00	Green Point Landfill SB-400 0 - 0.5 08/11/00	Green Point Landfill SB-406 0 - 0.5 08/11/00	Green Point Landfill SB-412 0 - 0.5 08/11/00
PCBs							
Aroclor-1248	mg/kg	ND(0.046)	ND(0.040)	ND(0.041)	ND(0.053)	ND(0.036)	ND(0.058)
Aroclor-1254	mg/kg	0.030 J	ND(0.040)	0.046	ND(0.053)	0.028 J	ND(0.058)
Aroclor-1260	mg/kg	ND(0.046)	ND(0.040)	ND(0.041)	ND(0.053)	ND(0.036)	ND(0.058)
Total PCBs	mg/kg	0.030 J	ND(0.040)	0.046	ND(0.053)	0.028 J	ND(0.058)
Organochlorine Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
None Detected	--	NA	NA	NA	NA	NA	NA
Herbicides							
None Detected	--	NA	NA	NA	NA	NA	NA
Dioxins/Furans							
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/kg	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/kg	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	mg/kg	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	mg/kg	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	mg/kg	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDF	mg/kg	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDD	mg/kg	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDF	mg/kg	NA	NA	NA	NA	NA	NA
1,2,3,7,8-PeCDF	mg/kg	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-HxCDF	mg/kg	NA	NA	NA	NA	NA	NA
2,3,4,7,8-PeCDF	mg/kg	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD	mg/kg	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDF	mg/kg	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/kg	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/kg	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/kg	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/kg	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/kg	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/kg	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/kg	NA	NA	NA	NA	NA	NA
Total TEQ	mg/kg	NA	NA	NA	NA	NA	NA
TPH							
Total Petroleum Hydrocarbons	mg/kg	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NA	NA	NA	NA	NA	NA
Miscellaneous							
Total Solids	%	71.1	82.3	80.2	62.3	91.8	56.5

See Generic Notes in Table 14.

Table 7. PCB's, Pesticides, Herbicides, Dioxins/Furans Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area Location ID Sample Depth(ft BGS): Date Collected:	Units	Green Point Landfill SB-418 0 - 0.5 08/11/00	Previously Proposed Type III Landfill Area TP1 0 - 4 05/22/98	Previously Proposed Type III Landfill Area TP1 4 - 8 05/22/98
PCBs				
Aroclor-1248	mg/kg	ND(0.043) [ND(0.046)]	ND(0.017)	ND(0.017)
Aroclor-1254	mg/kg	ND(0.043) [ND(0.046)]	0.13	0.23
Aroclor-1260	mg/kg	ND(0.043) [ND(0.046)]	ND(0.033)	ND(0.033)
Total PCBs	mg/kg	ND(0.043) [ND(0.046)]	0.13	0.23
Organochlorine Pesticides				
None Detected	--	NA	NA	NA
Organophosphate Pesticides				
None Detected	--	NA	NA	NA
Herbicides				
None Detected	--	NA	NA	NA
Dioxins/Furans				
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/kg	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/kg	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	mg/kg	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	mg/kg	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	mg/kg	NA	NA	NA
1,2,3,4,7,8-HxCDF	mg/kg	NA	NA	NA
1,2,3,6,7,8-HxCDD	mg/kg	NA	NA	NA
1,2,3,6,7,8-HxCDF	mg/kg	NA	NA	NA
1,2,3,7,8-PeCDF	mg/kg	NA	NA	NA
2,3,4,6,7,8-HxCDF	mg/kg	NA	NA	NA
2,3,4,7,8-PeCDF	mg/kg	NA	NA	NA
2,3,7,8-TCDD	mg/kg	NA	NA	NA
2,3,7,8-TCDF	mg/kg	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/kg	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/kg	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/kg	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/kg	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/kg	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/kg	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/kg	NA	NA	NA
Total TEQ	mg/kg	NA	NA	NA
TPH				
Total Petroleum Hydrocarbons	mg/kg	NA	NA	NA
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NA	NA	NA
Miscellaneous				
Total Solids	%	76.2 [72]	85.5	83.5

See Generic Notes in Table 14.

Table 7. PCB's, Pesticides, Herbicides, Dioxins/Furans Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area Location ID Sample Depth(ft BGS): Date Collected:	Units	Previously Proposed Type III Landfill Area TP2 0 - 4 05/22/98	Previously Proposed Type III Landfill Area TP2 4 - 8 05/22/98	Previously Proposed Type III Landfill Area TP3 0 - 4 05/22/98
PCBs				
Aroclor-1248	mg/kg	ND(0.017)	ND(0.017)	ND(0.017)
Aroclor-1254	mg/kg	ND(0.033)	0.059	0.14
Aroclor-1260	mg/kg	0.039	ND(0.033)	ND(0.033)
Total PCBs	mg/kg	0.039	0.059	0.14
Organochlorine Pesticides				
None Detected	--	NA	NA	NA
Organophosphate Pesticides				
None Detected	--	NA	NA	NA
Herbicides				
None Detected	--	NA	NA	NA
Dioxins/Furans				
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/kg	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/kg	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	mg/kg	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	mg/kg	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	mg/kg	NA	NA	NA
1,2,3,4,7,8-HxCDF	mg/kg	NA	NA	NA
1,2,3,6,7,8-HxCDD	mg/kg	NA	NA	NA
1,2,3,6,7,8-HxCDF	mg/kg	NA	NA	NA
1,2,3,7,8-PeCDF	mg/kg	NA	NA	NA
2,3,4,6,7,8-HxCDF	mg/kg	NA	NA	NA
2,3,4,7,8-PeCDF	mg/kg	NA	NA	NA
2,3,7,8-TCDD	mg/kg	NA	NA	NA
2,3,7,8-TCDF	mg/kg	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/kg	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/kg	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/kg	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/kg	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/kg	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/kg	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/kg	NA	NA	NA
Total TEQ	mg/kg	NA	NA	NA
TPH				
Total Petroleum Hydrocarbons	mg/kg	NA	NA	NA
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NA	NA	NA
Miscellaneous				
Total Solids	%	82.3	77.9	89.5

See Generic Notes in Table 14.

Table 7. PCB's, Pesticides, Herbicides, Dioxins/Furans Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area Location ID Sample Depth(ft BGS): Date Collected:	Units	Previously Proposed Type III Landfill Area TP3 4 - 8 05/22/98	Previously Proposed Type III Landfill Area TP4 0 - 4 05/22/98	Previously Proposed Type III Landfill Area TP4 4 - 8 05/22/98
PCBs				
Aroclor-1248	mg/kg	ND(0.017)	ND(0.017)	ND(0.017)
Aroclor-1254	mg/kg	0.12	0.053	0.054
Aroclor-1260	mg/kg	ND(0.033)	ND(0.033)	ND(0.033)
Total PCBs	mg/kg	0.12	0.053	0.054
Organochlorine Pesticides				
None Detected	--	NA	NA	NA
Organophosphate Pesticides				
None Detected	--	NA	NA	NA
Herbicides				
None Detected	--	NA	NA	NA
Dioxins/Furans				
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/kg	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/kg	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	mg/kg	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	mg/kg	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	mg/kg	NA	NA	NA
1,2,3,4,7,8-HxCDF	mg/kg	NA	NA	NA
1,2,3,6,7,8-HxCDD	mg/kg	NA	NA	NA
1,2,3,6,7,8-HxCDF	mg/kg	NA	NA	NA
1,2,3,7,8-PeCDF	mg/kg	NA	NA	NA
2,3,4,6,7,8-HxCDF	mg/kg	NA	NA	NA
2,3,4,7,8-PeCDF	mg/kg	NA	NA	NA
2,3,7,8-TCDD	mg/kg	NA	NA	NA
2,3,7,8-TCDF	mg/kg	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/kg	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/kg	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/kg	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/kg	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/kg	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/kg	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/kg	NA	NA	NA
Total TEQ	mg/kg	NA	NA	NA
TPH				
Total Petroleum Hydrocarbons	mg/kg	NA	NA	NA
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NA	NA	NA
Miscellaneous				
Total Solids	%	84.3	83.3	85.4

See Generic Notes in Table 14.

Table 7. PCB's, Pesticides, Herbicides, Dioxins/Furans Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area Location ID Sample Depth(ft BGS): Date Collected:	Units	Previously Proposed Type III Landfill Area TP5 0 - 4 05/22/98	Previously Proposed Type III Landfill Area TP5 4 - 8 05/22/98	Previously Proposed Type III Landfill Area TP6 0 - 4 05/22/98
PCBs				
Aroclor-1248	mg/kg	ND(0.017)	ND(0.017)	ND(0.017)
Aroclor-1254	mg/kg	0.049	0.18	ND(0.033)
Aroclor-1260	mg/kg	ND(0.033)	ND(0.033)	0.073
Total PCBs	mg/kg	0.049	0.18	0.073
Organochlorine Pesticides				
None Detected	--	NA	NA	NA
Organophosphate Pesticides				
None Detected	--	NA	NA	NA
Herbicides				
None Detected	--	NA	NA	NA
Dioxins/Furans				
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/kg	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/kg	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	mg/kg	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	mg/kg	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	mg/kg	NA	NA	NA
1,2,3,4,7,8-HxCDF	mg/kg	NA	NA	NA
1,2,3,6,7,8-HxCDD	mg/kg	NA	NA	NA
1,2,3,6,7,8-HxCDF	mg/kg	NA	NA	NA
1,2,3,7,8-PeCDF	mg/kg	NA	NA	NA
2,3,4,6,7,8-HxCDF	mg/kg	NA	NA	NA
2,3,4,7,8-PeCDF	mg/kg	NA	NA	NA
2,3,7,8-TCDD	mg/kg	NA	NA	NA
2,3,7,8-TCDF	mg/kg	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/kg	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/kg	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/kg	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/kg	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/kg	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/kg	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/kg	NA	NA	NA
Total TEQ	mg/kg	NA	NA	NA
TPH				
Total Petroleum Hydrocarbons	mg/kg	NA	NA	NA
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NA	NA	NA
Miscellaneous				
Total Solids	%	86.7	77.5	77.7

See Generic Notes in Table 14.

Table 7. PCB's, Pesticides, Herbicides, Dioxins/Furans Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area Location ID Sample Depth(ft BGS): Date Collected:	Units	Previously Proposed Type III Landfill Area TP6 4 - 8 05/22/98	Previously Proposed Type III Landfill Area TP7 0 - 4 05/22/98	Saginaw River Area MW-183WT 8 - 8.5 07/24/00
PCBs				
Aroclor-1248	mg/kg	ND(0.017)	ND(0.017)	ND(0.042)
Aroclor-1254	mg/kg	ND(0.033)	ND(0.033)	ND(0.042)
Aroclor-1260	mg/kg	0.053	0.10	ND(0.042)
Total PCBs	mg/kg	0.053	0.10	ND(0.042)
Organochlorine Pesticides				
None Detected	--	NA	NA	NA
Organophosphate Pesticides				
None Detected	--	NA	NA	NA
Herbicides				
None Detected	--	NA	NA	NA
Dioxins/Furans				
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/kg	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/kg	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	mg/kg	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	mg/kg	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	mg/kg	NA	NA	NA
1,2,3,4,7,8-HxCDF	mg/kg	NA	NA	NA
1,2,3,6,7,8-HxCDD	mg/kg	NA	NA	NA
1,2,3,6,7,8-HxCDF	mg/kg	NA	NA	NA
1,2,3,7,8-PeCDF	mg/kg	NA	NA	NA
2,3,4,6,7,8-HxCDF	mg/kg	NA	NA	NA
2,3,4,7,8-PeCDF	mg/kg	NA	NA	NA
2,3,7,8-TCDD	mg/kg	NA	NA	NA
2,3,7,8-TCDF	mg/kg	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/kg	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/kg	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/kg	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/kg	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/kg	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/kg	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/kg	NA	NA	NA
Total TEQ	mg/kg	NA	NA	NA
TPH				
Total Petroleum Hydrocarbons	mg/kg	NA	NA	NA
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NA	NA	NA
Miscellaneous				
Total Solids	%	80.9	78.9	78.1

See Generic Notes in Table 14.

Table 8. Inorganic Constituents Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Generic MDEQ Criteria Values						Drum Remediation/Wetland Area MW-126WT 14 - 16 02/08/95	Drum Remediation/Wetland Area TP-2 8 - 8.5 03/23/95
		GCCP	IDC	IDWP	IPSIC	ISVIA	IVSICI		
Inorganics									
Aluminum	mg/kg	1,000,000 {B,D}	370,000 {B,DD}	6,900 {SDBL}	{ID}	{NLV}	{NLV}	NA	6,250 J
Antimony	mg/kg	49,000	670	4.3	5,900	{NLV}	{NLV}	ND(0.286 J)	ND(1.57)
Arsenic	mg/kg	2,000	37	23	910	{NLV}	{NLV}	2.33 J	30.0 (IDWP)
Barium	mg/kg	1,000,000 {B,D}	130,000 {B}	1,300 {B}	150,000 {B}	{NLV}	{NLV}	64.6 J	290 J
Beryllium	mg/kg	1,000,000 {D}	1,600	51	590	{NLV}	{NLV}	0.686	1.20
Cadmium	mg/kg	230,000 {B}	2,100 {B}	6 {B}	2,200 {B}	{NLV}	{NLV}	0.0783	2.60
Calcium	mg/kg	--	--	--	--	--	--	NA	29,000
Chromium Total	mg/kg	140,000	9,200	30	240	{NLV}	{NLV}	23.8	121 (IDWP)
Cobalt	mg/kg	48,000	9,000	6.8 {SDBL}	5,900	{NLV}	{NLV}	9.37 (IDWP)	13.5 (IDWP)
Copper	mg/kg	1,000,000 {B,D}	73,000 {B}	5,800 {B}	59,000 {B}	{NLV}	{NLV}	13.9	6,250 J (IDWP)
Cyanide (total)	mg/kg	250 {P,R}	250 {P,R}	4 {P,R}	250 {P,R}	{NLV}	{NLV}	ND(0.290)	NA
Iron	mg/kg	1,000,000 {B,D}	580,000 {B}	12,000 {SDBL}	{ID}	{NLV}	{NLV}	NA	62,000 (IDWP)
Lead	mg/kg	{ID}	900 {B,DD}	700 {B}	44,000 {B}	{NLV}	{NLV}	5.33 J	532
Magnesium	mg/kg	1,000,000 {B,D}	1,000,000 {B,D}	22,000 {B}	2,900,000 {B}	{NLV}	{NLV}	NA	2,260
Manganese	mg/kg	180,000 {B}	90,000 {B}	440 {SDBL}	1,500 {B}	{NLV}	{NLV}	NA	2,360 J (IDWP,IPSIC)
Mercury	mg/kg	47 {B,Z}	580 {B,Z}	1.7 {B,Z}	8,800 {B,Z}	89 {B,Z}	62 {B,Z}	ND(0.0572 J)	0.753
Nickel	mg/kg	1,000,000 {B,D}	150,000 {B}	100 {B}	16,000 {B}	{NLV}	{NLV}	20.9	185 (IDWP)
Potassium	mg/kg	--	--	--	--	--	--	NA	708
Selenium	mg/kg	78,000 {B}	9,600 {B}	4 {B}	59,000 {B}	{NLV}	{NLV}	ND(0.286 J)	ND(3.15)
Silver	mg/kg	200,000 {B}	9,000 {B}	13 {B}	2,900 {B}	{NLV}	{NLV}	ND(0.286)	7.69
Sodium	mg/kg	1,000,000 {D}	1,000,000 {D}	7,000	{ID}	{NLV}	{NLV}	NA	ND(629)
Thallium	mg/kg	15,000 {B}	130 {B}	2.3 {B}	{ID}	{NLV}	{NLV}	ND(0.286 W)	0.365
Vanadium	mg/kg	1,000,000 {D}	5,500 {DD}	990	{ID}	{NLV}	{NLV}	34.1	27.2
Zinc	mg/kg	1,000,000 {B,D}	630,000 {B}	5,000 {B}	{ID}	{NLV}	{NLV}	31.6 J	1,440 J

See Generic Notes in Table 14.

Table 8. Inorganic Constituents Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Drum Remediation/Wetland Area TP-6 8 - 8.5 03/22/95	Drum Remediation/Wetland Area TP-12 7.8 - 8 03/23/95	Drum Remediation/Wetland Area WMB-1 3 - 3.5 01/22/97	Drum Remediation/Wetland Area WMB-2 3 - 3.5 01/22/97
Inorganics					
Aluminum	mg/kg	4,920 J	3,090 J	5,120	8,300 (IDWP)
Antimony	mg/kg	5.82 (IDWP)	224 (IDWP)	ND(0.295)	1.46
Arsenic	mg/kg	15.7	28.9 (IDWP)	2.25	3.68 Wa
Barium	mg/kg	141 J	204 J	37.9	145
Beryllium	mg/kg	0.987	0.828	ND(0.590)	ND(0.707)
Cadmium	mg/kg	1.96	1.38	0.0743 Wa	0.509 Wb
Calcium	mg/kg	29,300	9,760	5,750	85,600
Chromium Total	mg/kg	216 (IDWP)	321 (IDWP,IPSIC)	7.96	49.5 (IDWP)
Cobalt	mg/kg	18.8 (IDWP)	27.7 (IDWP)	ND(5.90)	ND(7.07)
Copper	mg/kg	232 J	901 J	5.84	104
Cyanide (total)	mg/kg	NA	NA	ND(0.180)	ND(0.210)
Iron	mg/kg	15,600 (IDWP)	26,700 (IDWP)	6,280	44,600 (IDWP)
Lead	mg/kg	3,070 (IDC,IDWP)	1,810 (IDC,IDWP)	3.66	233
Magnesium	mg/kg	6,270	1,150	1,650	6,940
Manganese	mg/kg	2,810 J (IDWP,IPSIC)	3,670 J (IDWP,IPSIC)	204	1,170 (IDWP)
Mercury	mg/kg	0.331	0.968	ND(0.0590)	ND(0.0707)
Nickel	mg/kg	389 (IDWP)	959 (IDWP)	5.28	20.5
Potassium	mg/kg	795	ND(591)	827	12,100
Selenium	mg/kg	3.23	ND(5.91)	ND(0.295)	ND(0.707 G)
Silver	mg/kg	ND(3.08)	ND(5.91)	ND(0.295)	ND(0.353)
Sodium	mg/kg	ND(617)	ND(591)	ND(590 L)	925
Thallium	mg/kg	ND(0.308 J)	ND(0.296 J)	ND(0.295)	0.883 GWa
Vanadium	mg/kg	29.2	24.8	11.6	21.7
Zinc	mg/kg	361 J	212 J	14.7 MBD	255 MBB

See Generic Notes in Table 14.

Table 8. Inorganic Constituents Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Drum Remediation/Wetland Area WMB-3 5 - 5.5 01/22/97	Drum Remediation/Wetland Area WMB-4 0.5 - 1 01/22/97	Drum Remediation/Wetland Area WMB-5 0.5 - 1 01/22/97	Drum Remediation/Wetland Area WMB-6 4 - 4.5 01/22/97	Eastern Property Extention BH01 0 - 2 11/26/97
Inorganics						
Aluminum	mg/kg	4,480	14,700 (IDWP)	9,990 (IDWP)	7,200 (IDWP)	2,000
Antimony	mg/kg	ND(0.303)	0.536	ND(0.346)	ND(0.340)	ND(0.500)
Arsenic	mg/kg	1.68 Wa	5.80	6.90	4.83	0.750
Barium	mg/kg	28.8	98.8	69.9	58.7	19.0
Beryllium	mg/kg	ND(0.606)	ND(0.717)	ND(0.692)	ND(0.681)	ND(0.220)
Cadmium	mg/kg	0.0787 Wb	0.341	0.305	0.123	0.130
Calcium	mg/kg	7,250	18,000	17,300	51,900	4,100
Chromium Total	mg/kg	7.73	22.6	16.4	11.3	6.20
Cobalt	mg/kg	ND(6.06)	ND(7.17)	ND(6.92)	7.82 (IDWP)	0.930
Copper	mg/kg	6.16	18.0	13.4	6.28	4.40
Cyanide (total)	mg/kg	ND(0.180)	ND(0.220)	ND(0.210)	ND(0.200)	NA
Iron	mg/kg	6,800	14,300 (IDWP)	12,000	11,900	7,600
Lead	mg/kg	4.11	13.4	12.4	4.43	6.20 J
Magnesium	mg/kg	2,100	6,860	6,320	12,800	870
Manganese	mg/kg	114	299	351	323	200 J
Mercury	mg/kg	ND(0.0606)	0.0772	ND(0.0692)	ND(0.0681)	ND(0.100)
Nickel	mg/kg	5.03	14.5	11.4	11.1	4.40
Potassium	mg/kg	721	2,540	1,650	1,320	210
Selenium	mg/kg	ND(0.303)	ND(0.359)	ND(0.346)	ND(0.340)	ND(0.500)
Silver	mg/kg	ND(0.303)	ND(0.359)	ND(0.346)	ND(0.340)	ND(0.500 J)
Sodium	mg/kg	ND(606)	ND(717)	ND(692)	ND(681)	140
Thallium	mg/kg	ND(0.303)	ND(0.359)	ND(0.346)	ND(0.340)	ND(0.500)
Vanadium	mg/kg	9.64	32.2	23.4	21.9	3.30
Zinc	mg/kg	24.3 MBD	52.8 MBB	44.2 MBB	23.3 MBD	35.0 J

See Generic Notes in Table 14.

Table 8. Inorganic Constituents Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Eastern Property Extention BH02 2 - 4 11/26/97	Eastern Property Extention BH03 2 - 4 11/26/97	Eastern Property Extention BH04 2 - 4 11/26/97	Eastern Property Extention BH05 2 - 4 11/26/97	Eastern Property Extention BH06 2 - 4 11/26/97	Eastern Property Extention SS-007-CR 0 - 0.5 12/01/97	Eastern Property Extention SS-008-CR 0 - 0.5 12/01/97	Eastern Property Extention SS-009-CR 0 - 0.5 12/01/97	Eastern Property Extention SS-010-CR 0 - 0.5 12/01/97	Eastern Property Extention SS-013-CR 0 - 0.5 12/01/97
Inorganics											
Aluminum	mg/kg	10,000 (IDWP)	10,000 (IDWP)	10,000 (IDWP)	7,400 (IDWP)	9,000 (IDWP)	NA	NA	NA	NA	NA
Antimony	mg/kg	ND(0.500)	0.520	ND(0.500)	ND(0.500)	ND(0.500)	NA	NA	NA	NA	NA
Arsenic	mg/kg	2.00	3.90	1.10	1.60	2.60	1.70 J	1.10 J	7.30 J	14.0 J	1.80 J
Barium	mg/kg	140	78.0	140	61.0	76.0	84.0	56.0	57.0	110	41.0
Beryllium	mg/kg	0.400	0.820	0.640	0.450	0.550	NA	NA	NA	NA	NA
Cadmium	mg/kg	0.170	0.140	0.100	0.130	0.160	4.00 J	0.360 J	0.350 J	0.640 J	0.200 J
Calcium	mg/kg	50,000	40,000	50,000	20,000	40,000	NA	NA	NA	NA	NA
Chromium Total	mg/kg	120 (IDWP)	220 (IDWP)	120 (IDWP)	52.0 (IDWP)	86.0 (IDWP)	50.0 (IDWP)	44.0 (IDWP)	11.0	17.0	31.0 (IDWP)
Cobalt	mg/kg	3.00	4.20	1.30	1.20	2.90	NA	NA	NA	NA	NA
Copper	mg/kg	16.0	260	13.0	11.0	19.0	51.0	15.0	13.0	14.0	19.0
Cyanide (total)	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	mg/kg	30,000 (IDWP)	100,000 (IDWP)	30,000 (IDWP)	10,000	30,000 (IDWP)	NA	NA	NA	NA	NA
Lead	mg/kg	6.40 J	15.0 J	11.0 J	5.80 J	10.0 J	200 J	11.0 J	15.0 J	23.0 J	19.0 J
Magnesium	mg/kg	9,200	820	1,700	950	9,800	NA	NA	NA	NA	NA
Manganese	mg/kg	230	9,800 J (IDWP,IPSIC)	10,000 J (IDWP,IPSIC)	4,900 J (IDWP,IPSIC)	6,800 J (IDWP,IPSIC)	NA	NA	NA	NA	NA
Mercury	mg/kg	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)
Nickel	mg/kg	7.40	45.0	7.10	7.80	10.0	NA	NA	NA	NA	NA
Potassium	mg/kg	1,300	1,000	1,000	570	930	NA	NA	NA	NA	NA
Selenium	mg/kg	ND(0.500)	ND(0.500)	ND(0.500)	0.540	0.510	ND(0.500 J)	ND(0.500 J)	ND(0.500 J)	ND(0.840 J)	ND(0.500 J)
Silver	mg/kg	ND(0.500 J)	ND(0.500 J)	ND(0.500 J)	ND(0.500 J)	ND(0.500 J)	R	R	R	R	R
Sodium	mg/kg	460	430	590	370	310	NA	NA	NA	NA	NA
Thallium	mg/kg	ND(0.500)	ND(0.500)	ND(0.500)	ND(0.500)	ND(0.500)	NA	NA	NA	NA	NA
Vanadium	mg/kg	31.0	34.0	15.0	8.40	24.0	220	110	52.0	72.0	83.0
Zinc	mg/kg	37.0 J	27.0 J	37.0 J	27.0 J	49.0 J	NA	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 8. Inorganic Constituents Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Eastern Property Extention SS-014-CR 0 - 0.5 12/01/97	Eastern Property Extention SS-015-CR 0 - 0.5 12/01/97	Eastern Property Extention SS-016-CR 0 - 0.5 12/01/97	Eastern Property Extention SS-017-CR 0 - 0.5 12/01/97	Eastern Property Extention SS-018-CR 0 - 0.5 12/01/97	Green Point Landfill SB-389 0 - 0.5 08/11/00	Green Point Landfill SB-390 0 - 0.5 08/11/00	Green Point Landfill SB-391 0 - 0.5 08/11/00
Inorganics									
Aluminum	mg/kg	NA	NA	NA	NA	NA	8,760 (IDWP)	7,680 (IDWP)	6,200
Antimony	mg/kg	NA	NA	NA	NA	NA	ND(7.00 J)	ND(10.5 J)	ND(8.50 J)
Arsenic	mg/kg	0.870 J	1.40 J	1.00 J	4.10 J	2.30 J	6.00	4.20	3.50
Barium	mg/kg	22.0	42.0	13.0	40.0	33.0	57.5	55.1	51.1
Beryllium	mg/kg	NA	NA	NA	NA	NA	ND(0.580)	ND(0.870)	ND(0.710)
Cadmium	mg/kg	0.100 J	0.160 J	0.150 J	0.0910 J	0.0580 J	ND(0.580)	ND(0.870)	0.140 B
Calcium	mg/kg	NA	NA	NA	NA	NA	13,000	7,070	5,030
Chromium Total	mg/kg	18.0	62.0 (IDWP)	9.70	8.10	11.0	44.5 (IDWP)	12.9	11.6
Cobalt	mg/kg	NA	NA	NA	NA	NA	3.20 B	3.40 B	3.30 B
Copper	mg/kg	27.0	76.0	16.0	13.0	12.0	30.0	12.7	13.4
Cyanide (total)	mg/kg	NA	NA	NA	NA	NA	0.330 B	ND(0.870)	ND(0.710)
Iron	mg/kg	NA	NA	NA	NA	NA	27,000 (IDWP)	9,340	8,210
Lead	mg/kg	13.0 J	11.0 J	12.0 J	12.0 J	2.30 J	20.9	11.9	10.4
Magnesium	mg/kg	NA	NA	NA	NA	NA	1,670	3,170	2,690
Manganese	mg/kg	NA	NA	NA	NA	NA	1,930 J (IDWP,IPSIC)	151 J	125 J
Mercury	mg/kg	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)	0.0170 B	0.0370 B	0.0340 B
Nickel	mg/kg	NA	NA	NA	NA	NA	14.5	10.3	10.0
Potassium	mg/kg	NA	NA	NA	NA	NA	1,230	1,100	1,010
Selenium	mg/kg	ND(0.500 J)	ND(0.500 J)	ND(0.500 J)	ND(0.500 J)	ND(0.500 J)	2.10	1.10	0.610 B
Silver	mg/kg	R	R	R	R	R	ND(1.20)	ND(1.70)	ND(1.40)
Sodium	mg/kg	NA	NA	NA	NA	NA	149 B	134 B	ND(709)
Thallium	mg/kg	NA	NA	NA	NA	NA	3.60 (IDWP)	0.910 B	ND(1.40)
Vanadium	mg/kg	36.0	83.0	35.0	41.0	13.0	14.3	16.9	14.2
Zinc	mg/kg	NA	NA	NA	NA	NA	41.9 J	35.4 J	33.7 J

See Generic Notes in Table 14.

Table 8. Inorganic Constituents Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Green Point Landfill SB-392 0 - 0.5 08/11/00	Green Point Landfill SB-393 0 - 0.5 08/11/00	Green Point Landfill SB-394 0 - 0.5 08/11/00	Green Point Landfill SB-395 0 - 0.5 08/11/00	Green Point Landfill SB-396 0 - 0.5 08/11/00	Green Point Landfill SB-397 0 - 0.5 08/11/00	Green Point Landfill SB-398 0 - 0.5 08/11/00
Inorganics								
Aluminum	mg/kg	6,930 (IDWP)	10,700 (IDWP)	5,940	7,810 (IDWP)	11,500 (IDWP)	8,550 (IDWP)	5,580
Antimony	mg/kg	ND(8.10 J)	0.830 JB	ND(8.10 J)	ND(8.10 J)	ND(11.0 J)	ND(8.40 J)	ND(7.30 J)
Arsenic	mg/kg	3.40	3.60	2.60	7.50	6.00	5.10	5.00
Barium	mg/kg	50.5	95.6	41.7	62.0	61.9	45.0	37.6
Beryllium	mg/kg	ND(0.680)	ND(0.670)	ND(0.670)	ND(0.670)	ND(0.920)	ND(0.700)	ND(0.610)
Cadmium	mg/kg	ND(0.680)	ND(0.670)	ND(0.670)	ND(0.670)	ND(0.920)	ND(0.700)	ND(0.610)
Calcium	mg/kg	47,400	72,800	2,880	17,200	16,100	12,300	2,160
Chromium Total	mg/kg	13.1	184 (IDWP)	10.0	14.1	28.2	17.6	10.1
Cobalt	mg/kg	4.20 B	3.10 B	3.00 B	4.90 B	4.40 B	3.70 B	3.80 B
Copper	mg/kg	10.7	501	6.20	11.7	28.3	12.6	365
Cyanide (total)	mg/kg	ND(0.680)	2.70	ND(0.670)	ND(0.670)	ND(0.920)	ND(0.700)	ND(0.610)
Iron	mg/kg	10,600	29,100 (IDWP)	8,390	13,200 (IDWP)	28,000 (IDWP)	17,900 (IDWP)	10,900
Lead	mg/kg	9.30	64.5	7.60	12.2	27.8	13.0	20.9
Magnesium	mg/kg	12,500	3,170	1,640	7,820	5,940	5,310	1,600
Manganese	mg/kg	208 J	7,840 J (IDWP,IPSIC)	61.1 J	392 J	404 J	281 J	217 J
Mercury	mg/kg	0.0330 B	0.0170 B	0.0150 B	0.0370 B	ND(0.180)	ND(0.140)	0.0190 B
Nickel	mg/kg	11.9	9.40	7.70	11.7	20.1	13.7	16.4
Potassium	mg/kg	1,290	1,160	708	1,360	1,210	938	427 B
Selenium	mg/kg	0.630 B	1.10 BG	ND(0.670)	0.740	1.90	0.910	0.640
Silver	mg/kg	ND(1.40)	0.550 BG	ND(1.30)	ND(1.30)	ND(1.80)	ND(1.40)	0.370 B
Sodium	mg/kg	332 B	548 B	179 B	ND(672)	426 B	316 B	ND(608)
Thallium	mg/kg	1.10 B	2.30 BG	ND(1.30)	ND(1.30)	1.90	1.60	ND(1.20)
Vanadium	mg/kg	17.5	26.1	13.9	18.0	13.0	13.1	13.4
Zinc	mg/kg	27.9 J	103 J	20.3 J	38.8 J	432 J	84.1 J	43.0 J

See Generic Notes in Table 14.

Table 8. Inorganic Constituents Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Green Point Landfill SB-399 0 - 0.5 08/11/00	Green Point Landfill SB-400 0 - 0.5 08/11/00	Green Point Landfill SB-406 0 - 0.5 08/11/00	Green Point Landfill SB-412 0 - 0.5 08/11/00	Green Point Landfill SB-418 0 - 0.5 08/11/00
Inorganics						
Aluminum	mg/kg	6,070	6,350	7,940 (IDWP)	13,400 (IDWP)	10,400 (IDWP) [8,960 (IDWP)]
Antimony	mg/kg	ND(7.50 J)	ND(9.60 J)	0.600 JB	ND(10.6 J)	ND(7.90 J) [ND(8.30 J)]
Arsenic	mg/kg	3.70	4.60	3.90	6.80	6.80 [7.50]
Barium	mg/kg	55.4	53.4	56.4	89.9	69.4 [67.2]
Beryllium	mg/kg	ND(0.620)	ND(0.800)	ND(0.540)	ND(0.880)	ND(0.660) [ND(0.690)]
Cadmium	mg/kg	ND(0.620)	ND(0.800)	ND(0.540)	0.280 B	0.220 B [0.200 B]
Calcium	mg/kg	23,000	12,500	35,500	25,900 J	24,700 J [22,900 J]
Chromium Total	mg/kg	83.7 (IDWP)	12.6	32.9 (IDWP)	24.4	17.9 [15.9]
Cobalt	mg/kg	3.00 B	4.60 B	4.00 B	7.80 B (IDWP)	5.90 B [5.60 B]
Copper	mg/kg	15.1	12.6	25.8	21.9	14.5 [13.6]
Cyanide (total)	mg/kg	ND(0.620)	ND(0.800)	0.350 B	ND(0.880)	ND(0.660) [ND(0.690)]
Iron	mg/kg	18,600 (IDWP)	10,800	22,900 (IDWP)	21,700 (IDWP)	15,400 (IDWP) [14,800 (IDWP)]
Lead	mg/kg	37.2	12.1	30.9	17.4	12.8 [12.3]
Magnesium	mg/kg	2,020	5,420	11,400	13,200 J	11,800 J [10,600 J]
Manganese	mg/kg	3,550 J (IDWP,IPSIC)	220 J	678 J (IDWP)	341 J	373 J [419 J]
Mercury	mg/kg	0.0160 B	0.0510 B	ND(0.110)	0.0660 B	0.0480 B [0.0410 B]
Nickel	mg/kg	9.90	11.5	15.5	21.3	15.0 [14.9]
Potassium	mg/kg	519 B	885	1,210	2,290	1,780 [1,350]
Selenium	mg/kg	1.80	0.740 B	1.10	ND(0.880)	ND(0.660) [ND(0.690)]
Silver	mg/kg	ND(1.20)	ND(1.60)	ND(1.10)	ND(1.80)	ND(1.30) [ND(1.40)]
Sodium	mg/kg	111 B	177 B	300 B	ND(884)	ND(656) [ND(695)]
Thallium	mg/kg	5.90 (IDWP)	1.40 B	1.70	2.00	1.00 B [1.50]
Vanadium	mg/kg	15.3	15.1	12.3	28.3	22.8 [20.6]
Zinc	mg/kg	34.6 J	37.0 J	403 J	114 J	55.6 J [53.0 J]

See Generic Notes in Table 14.

Table 8. Inorganic Constituents Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Previously Proposed Type III Landfill Area TP1 0 - 4 05/22/98	Previously Proposed Type III Landfill Area TP1 4 - 8 05/22/98	Previously Proposed Type III Landfill Area TP2 0 - 4 05/22/98
Inorganics				
Aluminum	mg/kg	4,910	5,490	6,320
Antimony	mg/kg	ND(6.00)	ND(6.00)	ND(6.00)
Arsenic	mg/kg	2.10	2.20	2.70
Barium	mg/kg	30.0	24.5	38.8
Beryllium	mg/kg	ND(0.500)	ND(0.500)	ND(0.500)
Cadmium	mg/kg	ND(0.500)	ND(0.500)	ND(0.500)
Calcium	mg/kg	5,540	4,810	7,230
Chromium Total	mg/kg	16.6	13.9	16.2
Cobalt	mg/kg	ND(5.00)	ND(5.00)	ND(5.00)
Copper	mg/kg	16.1 L	9.00	10.1
Cyanide (total)	mg/kg	ND(0.500)	ND(0.500)	ND(0.500)
Iron	mg/kg	15,400 L (IDWP)	13,200 (IDWP)	15,900 (IDWP)
Lead	mg/kg	11.6	10.5	6.70
Magnesium	mg/kg	1,610 L	1,470	3,160
Manganese	mg/kg	1,190 L (IDWP)	272	316
Mercury	mg/kg	ND(0.100)	ND(0.100)	ND(0.100)
Nickel	mg/kg	13.6	10.2	10.6
Potassium	mg/kg	NA	ND(500)	535
Selenium	mg/kg	ND(0.500)	0.720	1.00
Silver	mg/kg	ND(1.00)	ND(1.00)	ND(1.00)
Sodium	mg/kg	ND(500)	ND(500)	ND(500)
Thallium	mg/kg	ND(1.00)	ND(1.00)	ND(1.00)
Vanadium	mg/kg	6.20	5.90	8.30
Zinc	mg/kg	231 L	118	145

See Generic Notes in Table 14.

Table 8. Inorganic Constituents Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Previously Proposed Type III Landfill Area TP2 4 - 8 05/22/98	Previously Proposed Type III Landfill Area TP3 0 - 4 05/22/98	Previously Proposed Type III Landfill Area TP3 4 - 8 05/22/98
Inorganics				
Aluminum	mg/kg	4,860	4,160	4,380
Antimony	mg/kg	ND(6.00)	ND(6.00)	ND(6.00)
Arsenic	mg/kg	2.80	2.10	2.00
Barium	mg/kg	43.2	21.6	21.9
Beryllium	mg/kg	ND(0.500)	ND(0.500)	ND(0.500)
Cadmium	mg/kg	ND(0.500)	ND(0.500)	ND(0.500)
Calcium	mg/kg	2,650	3,150	3,410
Chromium Total	mg/kg	13.4	9.90	9.90
Cobalt	mg/kg	ND(5.00)	ND(5.00)	ND(5.00)
Copper	mg/kg	9.00	7.60	7.60
Cyanide (total)	mg/kg	ND(0.500)	ND(0.500)	ND(0.500)
Iron	mg/kg	14,400 (IDWP)	11,100	11,100
Lead	mg/kg	8.10	8.40	9.80
Magnesium	mg/kg	1,590	1,160	1,180
Manganese	mg/kg	247	220	226
Mercury	mg/kg	ND(0.100)	ND(0.100)	ND(0.100)
Nickel	mg/kg	8.90	7.20	6.90
Potassium	mg/kg	ND(500)	ND(500)	ND(500)
Selenium	mg/kg	ND(0.500)	ND(0.500)	ND(0.500)
Silver	mg/kg	ND(1.00)	ND(1.00)	ND(1.00)
Sodium	mg/kg	ND(500)	ND(500)	ND(500)
Thallium	mg/kg	ND(1.00)	ND(1.00)	ND(1.00)
Vanadium	mg/kg	6.80	5.50	5.40
Zinc	mg/kg	104	112	130

See Generic Notes in Table 14.

Table 8. Inorganic Constituents Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Previously Proposed Type III Landfill Area TP4 0 - 4 05/22/98	Previously Proposed Type III Landfill Area TP4 4 - 8 05/22/98	Previously Proposed Type III Landfill Area TP5 0 - 4 05/22/98
Inorganics				
Aluminum	mg/kg	4,390	4,630	4,090
Antimony	mg/kg	ND(6.00)	ND(6.00)	ND(6.00)
Arsenic	mg/kg	2.10	2.30	2.00
Barium	mg/kg	30.1	28.3	30.7
Beryllium	mg/kg	ND(0.500)	ND(0.500)	ND(0.500)
Cadmium	mg/kg	ND(0.500)	ND(0.500)	ND(0.500)
Calcium	mg/kg	2,170	2,980	2,260
Chromium Total	mg/kg	13.1	13.0	12.6
Cobalt	mg/kg	ND(5.00)	ND(5.00)	ND(5.00)
Copper	mg/kg	10.2	8.10	14.2
Cyanide (total)	mg/kg	ND(0.500)	ND(0.500)	ND(0.500)
Iron	mg/kg	12,900 (IDWP)	13,500 (IDWP)	13,600 (IDWP)
Lead	mg/kg	11.1	6.10	10.7
Magnesium	mg/kg	1,320	1,380	1,260
Manganese	mg/kg	280	198	250
Mercury	mg/kg	ND(0.100)	ND(0.100)	ND(0.100)
Nickel	mg/kg	8.70	8.50	8.70
Potassium	mg/kg	ND(500)	ND(500)	ND(500)
Selenium	mg/kg	ND(0.500)	ND(0.500)	ND(0.500)
Silver	mg/kg	ND(1.00)	ND(1.00)	ND(1.00)
Sodium	mg/kg	ND(500)	ND(500)	ND(500)
Thallium	mg/kg	ND(1.00)	ND(1.00)	ND(1.00)
Vanadium	mg/kg	6.60	6.80	5.40
Zinc	mg/kg	263	138	409

See Generic Notes in Table 14.

Table 8. Inorganic Constituents Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Previously Proposed Type III Landfill Area TP5 4 - 8 05/22/98	Previously Proposed Type III Landfill Area TP6 0 - 4 05/22/98	Previously Proposed Type III Landfill Area TP6 4 - 8 05/22/98
Inorganics				
Aluminum	mg/kg	4,380	6,600	5,150
Antimony	mg/kg	ND(6.00)	ND(6.00)	ND(6.00)
Arsenic	mg/kg	2.40	3.00	2.40
Barium	mg/kg	30.0	42.7	32.8
Beryllium	mg/kg	ND(0.500)	ND(0.500)	ND(0.500)
Cadmium	mg/kg	ND(0.500)	ND(0.500)	ND(0.500)
Calcium	mg/kg	3,220	3,800	2,230
Chromium Total	mg/kg	14.5	17.7	12.5
Cobalt	mg/kg	ND(5.00)	ND(5.00)	ND(5.00)
Copper	mg/kg	9.40	14.7	8.20
Cyanide (total)	mg/kg	ND(0.500)	ND(0.500)	ND(0.500)
Iron	mg/kg	13,800 (IDWP)	18,100 (IDWP)	13,100 (IDWP)
Lead	mg/kg	11.4	13.7	6.40
Magnesium	mg/kg	1,390	1,940	1,520
Manganese	mg/kg	207	410	248
Mercury	mg/kg	ND(0.100)	ND(0.100)	ND(0.100)
Nickel	mg/kg	10.0	10.6	7.40
Potassium	mg/kg	ND(500)	ND(500)	ND(500)
Selenium	mg/kg	ND(0.500)	ND(0.500)	ND(0.500)
Silver	mg/kg	ND(1.00)	ND(1.00)	ND(1.00)
Sodium	mg/kg	ND(500)	ND(500)	ND(500)
Thallium	mg/kg	ND(1.00)	ND(1.00)	ND(1.00)
Vanadium	mg/kg	6.30	7.90	7.40
Zinc	mg/kg	505	351	164

See Generic Notes in Table 14.

Table 8. Inorganic Constituents Detected in Soil, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Previously Proposed Type III Landfill Area TP7 0 - 4 05/22/98	Saginaw River Area MW-183WT 8 - 8.5 07/24/00
Inorganics			
Aluminum	mg/kg	7,100 (IDWP)	4,830
Antimony	mg/kg	ND(6.00)	ND(7.70 J)
Arsenic	mg/kg	3.70	5.20 J
Barium	mg/kg	44.1	39.9
Beryllium	mg/kg	ND(0.500)	ND(0.640)
Cadmium	mg/kg	ND(0.500)	0.0900 B
Calcium	mg/kg	4,460	31,200
Chromium Total	mg/kg	28.7	10.4
Cobalt	mg/kg	ND(5.00)	3.70 B
Copper	mg/kg	25.8	6.50
Cyanide (total)	mg/kg	ND(0.500)	ND(0.640)
Iron	mg/kg	23,400 (IDWP)	11,800
Lead	mg/kg	15.2	ND(3.90)
Magnesium	mg/kg	2,160	11,600
Manganese	mg/kg	424	333
Mercury	mg/kg	ND(0.100)	0.0290 BJ
Nickel	mg/kg	17.3	8.10
Potassium	mg/kg	ND(500)	649
Selenium	mg/kg	ND(0.500)	ND(0.640)
Silver	mg/kg	ND(1.00)	ND(1.30)
Sodium	mg/kg	ND(500)	ND(640)
Thallium	mg/kg	ND(1.00)	ND(1.30)
Vanadium	mg/kg	8.30	13.9
Zinc	mg/kg	555	26.9 J

See Generic Notes in Table 14.

Table 9. Organic and Inorganic Constituents Detected in Surface Water, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	GCC	Green Point Landfill SW-13 06/14/95	Southern Drainage Channels SW-09 06/14/95	Southern Drainage Channels SW-10 06/14/95	Southern Drainage Channels SW-11 06/14/95
Volatile Organics						
Acetone	mg/L	31,000 {I}	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Chlorobenzene	mg/L	86 {I}	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	150	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	200	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Methylene Chloride	mg/L	220	0.00040 J	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	22	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Semivolatile Organics						
bis(2-Ethylhexyl)phthalate	mg/L	0.32 {AA}	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Phenol	mg/L	29,000	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Inorganics						
Aluminum	mg/L	64,000 {B}	0.267 J	0.282 J	0.951 J	1.88 J [2.63]
Antimony	mg/L	68	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500) [ND(0.00500)]
Arsenic	mg/L	4.3	0.00380	0.00240	0.00610	0.00350 [0.00460]
Barium	mg/L	14,000 {B}	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200) [ND(0.200)]
Beryllium	mg/L	290	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500) [ND(0.00500)]
Cadmium	mg/L	190 {B}	ND(0.000200)	ND(0.000200 J)	ND(0.000200 J)	ND(0.000400 J) [ND(0.000400 J)]
Calcium	mg/L	- -	112	68.1	65.9	131 [138]
Chromium Total	mg/L	460	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500) [ND(0.0500)]
Copper	mg/L	7,400 {B}	ND(0.0250)	ND(0.0250)	ND(0.0250)	ND(0.0250) [ND(0.0250)]
Cyanide (total)	mg/L	57 {P,R}	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500) [ND(0.00500 J)]
Iron	mg/L	58,000 {B}	0.934	0.535	2.46	2.53 [3.20]
Magnesium	mg/L	1,000,000 {B,D	101	15.4	37.9	46.7 [49.2]
Manganese	mg/L	9,100 {B}	0.525	0.519	0.382	0.324 [0.340]
Mercury	mg/L	0.056 {B,Z,S}	ND(0.000200)	0.000390	ND(0.000200)	ND(0.000200) [ND(0.000200 J)]
Nickel	mg/L	74,000 {B}	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500) [ND(0.0500)]
Potassium	mg/L	- -	85.3	6.53	ND(5.00)	16.8 [17.7]
Sodium	mg/L	1,000,000 {D}	353	49.2	71.4	109 [111]
Thallium	mg/L	13 {B}	ND(0.00200 J)	ND(0.00200 J)	ND(0.00200)	ND(0.00200 J) [ND(0.00200 J)]
Zinc	mg/L	110,000 {B}	ND(0.0200)	ND(0.0200)	0.0203	0.0236 [R]

See Generic Notes in Table 14.

Table 9. Organic and Inorganic Constituents Detected in Surface Water, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	GCC	Southern Drainage Channels SW-12 06/14/95	Southern Drainage Channels SW-14 06/14/95	Southern Drainage Channels SW-15 06/14/95	Southern Drainage Channels SW-17 06/15/95
Volatile Organics						
Acetone	mg/L	31,000 {I}	ND(0.050)	ND(0.050 J)	ND(0.050 J)	ND(0.050 J)
Chlorobenzene	mg/L	86 {I}	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	150	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	200	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Methylene Chloride	mg/L	220	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	mg/L	22	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Semivolatile Organics						
bis(2-Ethylhexyl)phthalate	mg/L	0.32 {AA}	ND(0.0050)	ND(0.0067)	ND(0.0050)	ND(0.0050)
Phenol	mg/L	29,000	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Inorganics						
Aluminum	mg/L	64,000 {B}	1.89 J	0.923	0.584	0.281
Antimony	mg/L	68	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Arsenic	mg/L	4.3	0.00350	0.00620	0.00380	0.00320
Barium	mg/L	14,000 {B}	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)
Beryllium	mg/L	290	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Cadmium	mg/L	190 {B}	ND(0.000400 J)	ND(0.000200 J)	ND(0.000200 J)	ND(0.000200 J)
Calcium	mg/L	- -	143	112	103	124
Chromium Total	mg/L	460	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	mg/L	7,400 {B}	ND(0.0250)	ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide (total)	mg/L	57 {P,R}	ND(0.00500)	ND(0.00500 J)	ND(0.00500 J)	ND(0.00500 J)
Iron	mg/L	58,000 {B}	2.71	1.49	1.16	1.66
Magnesium	mg/L	1,000,000 {B,D	55.4	45.5	43.5	53.5
Manganese	mg/L	9,100 {B}	0.442	0.163	0.155	0.363
Mercury	mg/L	0.056 {B,Z,S}	ND(0.000200)	ND(0.000200 J)	ND(0.000200 J)	ND(0.000200 J)
Nickel	mg/L	74,000 {B}	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Potassium	mg/L	- -	21.8	19.9	19.2	8.79
Sodium	mg/L	1,000,000 {D}	130	98.1	93.1	47.7
Thallium	mg/L	13 {B}	ND(0.00200 J)	ND(0.00200 J)	ND(0.00200 J)	ND(0.00200 J)
Zinc	mg/L	110,000 {B}	ND(0.0200)	0.0449	0.0206	R

See Generic Notes in Table 14.

Table 9. Organic and Inorganic Constituents Detected in Surface Water, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	GCC	Southern Drainage Channels SW-26 08/10/00	Southern Drainage Channels SW-27 08/10/00	Southern Drainage Channels SW-28 08/10/00	Southern Drainage Channels SW-29 08/10/00
Volatile Organics						
Acetone	mg/L	31,000 {I}	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Chlorobenzene	mg/L	86 {I}	ND(0.0010)	0.000066 J	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	150	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,2-Dichloroethene	mg/L	200	ND(0.00050)	0.00011 J	ND(0.00050)	ND(0.00050)
Methylene Chloride	mg/L	220	ND(0.0027)	ND(0.0025)	ND(0.0028)	ND(0.0023)
Trichloroethene	mg/L	22	0.00042 J	ND(0.0010)	ND(0.0010)	ND(0.0010)
Semivolatile Organics						
bis(2-Ethylhexyl)phthalate	mg/L	0.32 {AA}	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Phenol	mg/L	29,000	ND(0.0050)	ND(0.0050)	0.0015 J	ND(0.0050) [ND(0.0050)]
Inorganics						
Aluminum	mg/L	64,000 {B}	ND(0.100)	0.0623 B	0.319	0.0585 B [0.0642 B]
Antimony	mg/L	68	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500) [0.00240 B]
Arsenic	mg/L	4.3	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100) [ND(0.0100)]
Barium	mg/L	14,000 {B}	0.0574 B	0.393	0.0748 B	0.0916 B [0.0913 B]
Beryllium	mg/L	290	ND(0.00400)	ND(0.00400)	ND(0.00400)	ND(0.00400) [ND(0.00400)]
Cadmium	mg/L	190 {B}	0.000300 B	0.000360 B	ND(0.00100)	0.000340 B [ND(0.00100)]
Calcium	mg/L	- -	69.5	92.2	76.1	86.7 [89.3]
Chromium Total	mg/L	460	ND(0.00500)	ND(0.00500)	0.00170 B	ND(0.00500) [ND(0.00500)]
Copper	mg/L	7,400 {B}	0.00800 B	0.00850 B	ND(0.0250)	0.0137 B [0.0156 B]
Cyanide (total)	mg/L	57 {P,R}	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500) [ND(0.00500)]
Iron	mg/L	58,000 {B}	1.24	4.11	1.40	0.655 [0.609]
Magnesium	mg/L	1,000,000 {B,D}	28.9	38.7	28.0	36.6 [35.6]
Manganese	mg/L	9,100 {B}	0.244	0.355	0.360	0.144 [0.139]
Mercury	mg/L	0.056 {B,Z,S}	ND(0.000200)	ND(0.000200)	ND(0.000200)	ND(0.000200) [ND(0.000200)]
Nickel	mg/L	74,000 {B}	ND(0.0400)	0.00590 B	0.00330 B	0.00400 B [0.00400 B]
Potassium	mg/L	- -	15.5	31.1	20.9	25.3 [27.3]
Sodium	mg/L	1,000,000 {D}	80.1	192	90.0	132 [133]
Thallium	mg/L	13 {B}	ND(0.0100)	0.00860 B	0.00760 B	ND(0.0100) [0.00550 B]
Zinc	mg/L	110,000 {B}	ND(0.0200)	ND(0.0200)	ND(0.0200)	ND(0.0200) [ND(0.0200)]

See Generic Notes in Table 14.

Table 9. Organic and Inorganic Constituents Detected in Surface Water, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Date Collected:	Units	GCC	Southern Drainage Channels SW-31 08/10/00	Southern Drainage Channels SW-32 08/10/00	Submarine Pond SW-19 06/15/95	Submarine Pond SW-20 06/15/95	Submarine Pond SW-21 06/15/95	UNKNOWN SW-33 08/11/00
Volatile Organics								
Acetone	mg/L	31,000 {I}	ND(0.010)	ND(0.010)	0.0026 J	ND(0.050 J)	ND(0.050 J)	ND(0.010)
Chlorobenzene	mg/L	86 {I}	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	mg/L	150	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.0011
cis-1,2-Dichloroethene	mg/L	200	ND(0.00050)	ND(0.00050)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.00050)
Methylene Chloride	mg/L	220	ND(0.0022)	ND(0.0026)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0054)
Trichloroethene	mg/L	22	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Semivolatile Organics								
bis(2-Ethylhexyl)phthalate	mg/L	0.32 {AA}	ND(0.0050)	ND(0.0053)	ND(0.0050)	)(0.0050) [ND(0.005	ND(0.0050)	0.0041 J
Phenol	mg/L	29,000	ND(0.0050)	ND(0.0050)	ND(0.0050)	)(0.0050) [ND(0.005	ND(0.0050)	ND(0.0050)
Inorganics								
Aluminum	mg/L	64,000 {B}	0.640	1.88	0.131	0.150 [ND(0.100)]	ND(0.100)	0.671
Antimony	mg/L	68	ND(0.00500)	ND(0.00500)	ND(0.00500)	0.00500) [ND(0.005	ND(0.00500)	ND(0.00500)
Arsenic	mg/L	4.3	0.00430 B	ND(0.0100)	0.00280	0.00250 [0.00210]	0.00260	ND(0.0100)
Barium	mg/L	14,000 {B}	0.0846 B	0.130	ND(0.200)	0.202 [ND(0.200)]	ND(0.200)	0.0118 B
Beryllium	mg/L	290	ND(0.00400)	ND(0.00400)	ND(0.00500)	0.00500) [ND(0.005	ND(0.00500)	0.000940 B
Cadmium	mg/L	190 {B}	ND(0.00100)	ND(0.00100)	ND(0.000200)	.000200) [ND(0.000	ND(0.000200)	ND(0.00100)
Calcium	mg/L	- -	102	111	48.6	54.6 [52.4]	52.1	4.07 B
Chromium Total	mg/L	460	0.00220 B	0.00160 B	ND(0.0500)	)(0.0500) [ND(0.050	ND(0.0500)	ND(0.00500)
Copper	mg/L	7,400 {B}	ND(0.0250)	ND(0.0250)	ND(0.0250)	)(0.0250) [ND(0.025	ND(0.0250)	0.00420 B
Cyanide (total)	mg/L	57 {P,R}	ND(0.00500)	ND(0.00500)	ND(0.00500 J)	)(0.00500 J) [0.0100	ND(0.00500 J)	ND(0.00500)
Iron	mg/L	58,000 {B}	1.48	1.07	R	R [R]	R	ND(0.100)
Magnesium	mg/L	1,000,000 {B,D}	46.8	35.5	82.6	91.6 [88.3]	88.2	ND(0.100)
Manganese	mg/L	9,100 {B}	0.149	0.240	0.0281	0.0272 [0.0255]	0.0243	0.000990 B
Mercury	mg/L	0.056 {B,Z,S}	ND(0.000200)	ND(0.000200)	ND(0.000200 J)	00200 J) [ND(0.000	ND(0.000200 J)	ND(0.000200)
Nickel	mg/L	74,000 {B}	0.00680 B	0.00330 B	ND(0.0500)	)(0.0500) [ND(0.050	ND(0.0500)	ND(0.0400)
Potassium	mg/L	- -	19.2	26.9	88.9	102 [93.2]	94.3	0.0549 B
Sodium	mg/L	1,000,000 {D}	133	124	268	309 [282]	286	ND(5.00)
Thallium	mg/L	13 {B}	0.00700 B	0.00770 B	ND(0.00200 J)	00200 J) [ND(0.002	ND(0.00200 J)	ND(0.0100)
Zinc	mg/L	110,000 {B}	ND(0.0200)	ND(0.0200)	R	R [ND(0.0200)]	R	ND(0.0200)

See Generic Notes in Table 14.

Table 10. Volatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Generic MDEQ Criteria Values						Drum Remediation/Wetland Area SD-39 0 - 1 06/22/95	Drum Remediation/Wetland Area SD-39 1 - 2 06/22/95
		GCCP	IDC	IDWP	IPSIC	ISVIA	IVSICI		
Volatile Organics									
1,1,2,2-Tetrachloroethane	mg/kg	94	240	0.7	68,000	23	34	ND(0.0061) [ND(0.0062)]	ND(0.0054)
1,2-Dichloroethene (total)	mg/kg	--	--	--	--	--	--	ND(0.0061) [ND(0.0062)]	ND(0.0054)
1,4-Dichlorobenzene	mg/kg	140	1,900	1.7	570,000	100	260	ND(0.0061) [ND(0.0062)]	ND(0.0054)
2-Butanone	mg/kg	27,000 {I,C}	27,000 {I,C,DD}	760 {I}	29,000,000 {I}	27,000 {C}	35,000 {I}	ND(0.061 J) [ND(0.062 J)]	ND(0.054 J)
2-Hexanone	mg/kg	2,500 {C}	2,500 {C}	58	1,200,000	1,800	1,300	ND(0.061 J) [ND(0.062 J)]	ND(0.054 J)
4-Methyl-2-pentanone	mg/kg	2,700 {I,C}	2,700 {I,C}	100 {I}	60,000,000 {I}	2,700 {I,C}	53,000 {I}	ND(0.061) [ND(0.062 J)]	ND(0.054)
Acetone	mg/kg	110,000 {I,C}	73,000 {I}	42 {I}	170,000,000 {I}	110,000 {I,C}	160,000 {I}	0.0030 J [0.0089 J]	0.0041 J
Benzene	mg/kg	220 {I}	400 {I,C}	0.1 {I}	470,000 {I}	8.4 {I}	45 {I}	ND(0.0061) [ND(0.0062)]	ND(0.0054)
Bromomethane	mg/kg	1,400	1,000	0.58	150,000	1.6	13	ND(0.0061) [ND(0.0062)]	ND(0.0054)
Carbon Disulfide	mg/kg	280 {I,R,C}	280 {I,R,C,DD}	46 {I,R}	21,000,000 {I,R}	140 {I,R}	1,600 {I,R}	ND(0.0061) [ND(0.0062)]	ND(0.0054)
Chlorobenzene	mg/kg	260 {I,C}	260 {I,C}	2 {I}	2,100,000 {I}	220 {I}	920 {I}	ND(0.0061) [ND(0.0062)]	ND(0.0054)
Chloroethane	mg/kg	950 {C}	950 {C}	34	290,000,000	950 {C}	36,000	ND(0.0061) [ND(0.0062)]	ND(0.0054)
Chloromethane	mg/kg	1,100 {I,C}	1,100 {I,C}	22 {I}	2,600,000 {I}	10 {I}	120 {I}	ND(0.0061) [ND(0.0062)]	ND(0.0054)
Ethylbenzene	mg/kg	140 {I,C}	140 {I,C}	1.5 {I}	13,000,000 {I}	140 {I,C}	2,400 {I}	ND(0.0061) [ND(0.0062)]	ND(0.0054)
Methylene Chloride	mg/kg	2,300 {C}	2,300 {C}	0.1	8,300,000	240	700	ND(0.0061) [ND(0.0057)]	ND(0.0054)
Styrene	mg/kg	270	520 {C}	2.7	6,900,000	520 {C}	3,300	ND(0.0061) [ND(0.0062)]	ND(0.0054)
Tetrachloroethene	mg/kg	88 {C}	88 {C}	0.1	6,800,000	60	600	ND(0.0061) [ND(0.0062)]	ND(0.0054)
Toluene	mg/kg	250 {I,C}	250 {I,C}	16 {I}	12,000,000 {I}	250 {I,C}	3,300 {I}	ND(0.0061) [ND(0.0062)]	ND(0.0054)
Total Xylenes	mg/kg	150 {I,C}	150 {I,C}	5.6 {I}	130,000,000 {I}	150 {I,C}	54,000 {I}	ND(0.0061) [ND(0.0062)]	ND(0.0054)

See Generic Notes in Table 14.

Table 10. Volatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Drum Remediation/Wetland Area SD-40 0 - 1.1 06/22/95	Drum Remediation/Wetland Area SD-40 1.1 - 2.2 06/22/95	Drum Remediation/Wetland Area SD-62 0 - 0.5 08/10/00	Drum Remediation/Wetland Area SD-64 0 - 0.5 08/10/00
Volatile Organics					
1,1,2,2-Tetrachloroethane	mg/kg	ND(0.0089)	ND(0.0068)	ND(0.0064) [ND(0.0070)]	ND(0.010)
1,2-Dichloroethene (total)	mg/kg	ND(0.0089)	ND(0.0068)	ND(0.0064) [ND(0.0070)]	ND(0.010)
1,4-Dichlorobenzene	mg/kg	ND(0.0089)	ND(0.0068)	NA	NA
2-Butanone	mg/kg	0.014 J	ND(0.013 J)	ND(0.026) [ND(0.028)]	ND(0.042)
2-Hexanone	mg/kg	ND(0.089 J)	ND(0.068 J)	ND(0.026 J) [ND(0.028 J)]	ND(0.042 J)
4-Methyl-2-pentanone	mg/kg	ND(0.089 J)	ND(0.068)	ND(0.026) [ND(0.028)]	ND(0.042)
Acetone	mg/kg	0.058 J	0.065 J	0.023 J [0.015 J]	0.024 J
Benzene	mg/kg	ND(0.0089)	ND(0.0068)	ND(0.0064) [ND(0.0070)]	ND(0.010)
Bromomethane	mg/kg	ND(0.0089)	ND(0.0068)	ND(0.013) [ND(0.014)]	ND(0.021)
Carbon Disulfide	mg/kg	ND(0.0089)	ND(0.0068)	ND(0.0064) [ND(0.0070)]	ND(0.010)
Chlorobenzene	mg/kg	ND(0.0089)	ND(0.0068)	ND(0.0064 J) [ND(0.0070 J)]	ND(0.010 J)
Chloroethane	mg/kg	ND(0.0089)	ND(0.0068)	ND(0.013) [ND(0.014)]	ND(0.021)
Chloromethane	mg/kg	ND(0.0089)	ND(0.0068)	ND(0.013) [ND(0.014)]	ND(0.021)
Ethylbenzene	mg/kg	ND(0.0089)	ND(0.0068)	ND(0.0064 J) [ND(0.0070 J)]	ND(0.010 J)
Methylene Chloride	mg/kg	ND(0.0089)	ND(0.0070)	0.12 (IDWP) [0.052]	ND(0.020)
Styrene	mg/kg	ND(0.0089)	ND(0.0068)	ND(0.0064 J) [ND(0.0070 J)]	ND(0.010 J)
Tetrachloroethene	mg/kg	ND(0.0089)	ND(0.0068)	ND(0.0064 J) [ND(0.0070 J)]	ND(0.010 J)
Toluene	mg/kg	ND(0.0089)	ND(0.0068)	ND(0.0064 J) [ND(0.0070 J)]	ND(0.010 J)
Total Xylenes	mg/kg	ND(0.0089)	ND(0.0068)	ND(0.0064 J) [ND(0.0070 J)]	ND(0.010 J)

See Generic Notes in Table 14.

Table 10. Volatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area:		Drum Remediation/Wetland Area	Eastern Property Extension	Eastern Property Extension	Eastern Property Extension	Eastern Property Extension
Location ID:		SD-65	SD-24	SD-24	SD-25	SD-25
Sample Depth (ft BGS):		0 - 0.5	0 - 1.5	1.5 - 3	0 - 1.1	1.1 - 2.2
Date Collected:	Units	08/10/00	06/19/95	06/19/95	06/19/95	06/19/95
Volatile Organics						
1,1,2,2-Tetrachloroethane	mg/kg	ND(0.0081)	ND(0.0079)	ND(0.0078)	ND(0.0070)	ND(0.0066)
1,2-Dichloroethene (total)	mg/kg	ND(0.0081)	ND(0.0079)	ND(0.0078)	ND(0.0070)	ND(0.0066)
1,4-Dichlorobenzene	mg/kg	NA	ND(0.0079)	ND(0.0078)	ND(0.0070)	ND(0.0066)
2-Butanone	mg/kg	ND(0.032)	0.019 J	0.0099 J	ND(0.0038)	ND(0.0045)
2-Hexanone	mg/kg	ND(0.032)	ND(0.079)	ND(0.078)	ND(0.070)	ND(0.066)
4-Methyl-2-pentanone	mg/kg	ND(0.032)	ND(0.079)	ND(0.078)	ND(0.070)	ND(0.066)
Acetone	mg/kg	ND(0.032)	0.12 JB	0.043 J	ND(0.018 J)	ND(0.024 J)
Benzene	mg/kg	ND(0.0081)	ND(0.0079)	ND(0.0078)	ND(0.0070)	ND(0.0066)
Bromomethane	mg/kg	ND(0.016)	ND(0.0079)	ND(0.0078)	ND(0.0070 J)	ND(0.0066 J)
Carbon Disulfide	mg/kg	ND(0.0081)	ND(0.0079)	ND(0.0078)	ND(0.0070)	ND(0.0066)
Chlorobenzene	mg/kg	ND(0.0081)	ND(0.0079)	ND(0.0078)	ND(0.0070)	ND(0.0066)
Chloroethane	mg/kg	ND(0.016)	ND(0.0079 J)	ND(0.0078)	ND(0.0070 J)	ND(0.0066 J)
Chloromethane	mg/kg	ND(0.016)	ND(0.0079)	ND(0.0078)	ND(0.0070 J)	ND(0.0066 J)
Ethylbenzene	mg/kg	ND(0.0081)	ND(0.0079)	ND(0.0078)	ND(0.0070)	ND(0.0066)
Methylene Chloride	mg/kg	0.023	ND(0.0079)	ND(0.0084)	ND(0.0070)	ND(0.015)
Styrene	mg/kg	ND(0.0081)	ND(0.0079)	ND(0.0078)	ND(0.0070)	ND(0.0066)
Tetrachloroethene	mg/kg	ND(0.0081)	ND(0.0079)	ND(0.0078)	ND(0.0070)	ND(0.0066)
Toluene	mg/kg	ND(0.0081)	ND(0.0079)	0.018	ND(0.0070)	ND(0.0066)
Total Xylenes	mg/kg	ND(0.0081)	ND(0.0079)	ND(0.0078)	ND(0.0070)	ND(0.0066)

See Generic Notes in Table 14.

Table 10. Volatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Eastern Property Extension SD-25 2.2 - 3.3 06/19/95	Green Point Landfill SD-35 0 - 1.5 06/21/95	Green Point Landfill SD-35 1.5 - 3 06/21/95	Green Point Landfill SD-35 3 - 4.5 06/21/95	Green Point Landfill SD-41 0 - 1 06/22/95	Green Point Landfill SD-41 1 - 2 06/22/95	Green Point Landfill SD-42 0 - 1 06/22/95
Volatile Organics								
1,1,2,2-Tetrachloroethane	mg/kg	ND(0.0070)	ND(0.0099)	ND(0.0070)	ND(0.0074)	R	ND(0.0060)	ND(0.0052)
1,2-Dichloroethene (total)	mg/kg	ND(0.0070)	0.0051 J	ND(0.0070)	ND(0.0074)	ND(0.0069 J)	ND(0.0060)	ND(0.0052)
1,4-Dichlorobenzene	mg/kg	ND(0.0070)	ND(0.0099)	0.0053 J	ND(0.0074)	0.0041 J	0.0028 J	ND(0.0052)
2-Butanone	mg/kg	ND(0.0059)	0.010 J	0.0040 J	0.0035 J	0.0054 J	ND(0.060 J)	ND(0.052 J)
2-Hexanone	mg/kg	ND(0.070)	ND(0.099 J)	ND(0.070 J)	ND(0.074)	R	ND(0.060 J)	ND(0.052 J)
4-Methyl-2-pentanone	mg/kg	ND(0.070)	ND(0.099)	ND(0.070)	ND(0.074)	ND(0.069 J)	ND(0.060 J)	ND(0.052 J)
Acetone	mg/kg	ND(0.034 J)	0.10	0.048 J	ND(0.074 J)	0.075 J	0.011 J	ND(0.052 J)
Benzene	mg/kg	ND(0.0070)	ND(0.0099)	ND(0.0070)	ND(0.0074)	ND(0.0069 J)	ND(0.0060)	ND(0.0052)
Bromomethane	mg/kg	ND(0.0070 J)	ND(0.0099)	ND(0.0070)	ND(0.0074)	ND(0.0069 J)	ND(0.0060)	ND(0.0052)
Carbon Disulfide	mg/kg	0.0030 J	ND(0.0099)	ND(0.0070)	ND(0.0074)	ND(0.0069 J)	ND(0.0060)	ND(0.0052)
Chlorobenzene	mg/kg	ND(0.0070)	ND(0.0099)	ND(0.0070)	ND(0.0074)	R	ND(0.0060)	ND(0.0052)
Chloroethane	mg/kg	ND(0.0070 J)	ND(0.0099)	ND(0.0070)	ND(0.0074)	ND(0.0069 J)	ND(0.0060)	ND(0.0052)
Chloromethane	mg/kg	ND(0.0070 J)	ND(0.0099)	ND(0.0070)	ND(0.0074)	ND(0.0069 J)	ND(0.0060)	ND(0.0052)
Ethylbenzene	mg/kg	ND(0.0070)	ND(0.0099)	ND(0.0070)	ND(0.0074)	R	ND(0.0060)	ND(0.0052)
Methylene Chloride	mg/kg	ND(0.0070)	ND(0.0099)	ND(0.0070)	ND(0.0070)	ND(0.0069 J)	ND(0.0060)	ND(0.0052)
Styrene	mg/kg	ND(0.0070)	ND(0.0099)	ND(0.0070)	ND(0.0074)	R	ND(0.0060)	ND(0.0052)
Tetrachloroethene	mg/kg	ND(0.0070)	ND(0.0099)	ND(0.0070)	ND(0.0074)	R	ND(0.0060)	ND(0.0052)
Toluene	mg/kg	ND(0.0070)	ND(0.0099)	ND(0.0070)	ND(0.0074)	0.019 J	ND(0.0060)	ND(0.0052)
Total Xylenes	mg/kg	ND(0.0070)	ND(0.0099)	ND(0.0070)	ND(0.0074)	R	ND(0.0060)	ND(0.0052)

See Generic Notes in Table 14.

Table 10. Volatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Sample Depth (ft BGS): / Date Collected:	Units	Green Point Landfill SD-42 1 - 2 06/22/95	Southern Drainage Channels SD-22 0 - 1.2 06/19/95	Southern Drainage Channels SD-22 1.2 - 2.4 06/19/95	Southern Drainage Channels SD-22 2.4 - 3.6 06/19/95	Southern Drainage Channels SD-23 0 - 1.2 06/19/95
Volatile Organics						
1,1,2,2-Tetrachloroethane	mg/kg	ND(0.0064)	ND(0.0061 J)	ND(0.0067 J)	ND(0.0067)	ND(0.76)
1,2-Dichloroethene (total)	mg/kg	ND(0.0064)	ND(0.0061)	ND(0.0067)	ND(0.0067)	ND(0.76)
1,4-Dichlorobenzene	mg/kg	ND(0.0064)	ND(0.0061 J)	ND(0.0067 J)	ND(0.0067)	ND(0.76)
2-Butanone	mg/kg	ND(0.064 J)	ND(0.061)	ND(0.0052 J)	ND(0.0064)	ND(7.6)
2-Hexanone	mg/kg	ND(0.064 J)	ND(0.061 J)	ND(0.067 J)	ND(0.067)	ND(7.6)
4-Methyl-2-pentanone	mg/kg	ND(0.064 J)	ND(0.061 J)	ND(0.067 J)	ND(0.067)	ND(7.6)
Acetone	mg/kg	0.0044 J	ND(0.0099 J)	ND(0.037 J)	ND(0.033 J)	ND(7.6)
Benzene	mg/kg	ND(0.0064)	ND(0.0061)	ND(0.0067)	ND(0.0067)	ND(0.76)
Bromomethane	mg/kg	ND(0.0064)	ND(0.0061 J)	ND(0.0067 J)	ND(0.0067 J)	ND(0.76 J)
Carbon Disulfide	mg/kg	ND(0.0064)	ND(0.0061)	ND(0.0067)	ND(0.0067)	ND(0.76)
Chlorobenzene	mg/kg	ND(0.0064)	ND(0.0061 J)	ND(0.0067 J)	ND(0.0067)	ND(0.76)
Chloroethane	mg/kg	ND(0.0064)	ND(0.0061 J)	ND(0.0067 J)	ND(0.0067 J)	ND(0.76 J)
Chloromethane	mg/kg	ND(0.0064)	ND(0.0061 J)	ND(0.0067 J)	ND(0.0067 J)	ND(0.76 J)
Ethylbenzene	mg/kg	ND(0.0064)	ND(0.0061 J)	ND(0.0067 J)	ND(0.0067)	ND(0.76)
Methylene Chloride	mg/kg	ND(0.0064)	ND(0.0060)	ND(0.012)	ND(0.011)	ND(8.0)
Styrene	mg/kg	ND(0.0064)	ND(0.0061 J)	ND(0.0067 J)	ND(0.0067)	ND(0.76)
Tetrachloroethene	mg/kg	ND(0.0064)	ND(0.0061 J)	ND(0.0067 J)	ND(0.0067)	ND(0.76)
Toluene	mg/kg	0.0029 J	ND(0.0061 J)	ND(0.0071 J)	ND(0.0067)	0.39 J
Total Xylenes	mg/kg	ND(0.0064)	ND(0.0061 J)	ND(0.0067 J)	ND(0.0067)	0.31 J

See Generic Notes in Table 14.

Table 10. Volatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-23 1.2 - 2.4 06/19/95	Southern Drainage Channels SD-23 2.4 - 3.6 06/19/95	Southern Drainage Channels SD-26 0 - 1.2 06/19/95	Southern Drainage Channels SD-26 1.2 - 2.4 06/19/95	Southern Drainage Channels SD-26 2.4 - 3.6 06/19/95
Volatile Organics						
1,1,2,2-Tetrachloroethane	mg/kg	ND(0.0074)	ND(0.0069)	ND(0.0078)	ND(0.0073)	ND(0.0067)
1,2-Dichloroethene (total)	mg/kg	ND(0.0074)	ND(0.0069)	ND(0.0078)	ND(0.0073)	ND(0.0067)
1,4-Dichlorobenzene	mg/kg	ND(0.0074)	ND(0.0069)	ND(0.0078)	ND(0.0073)	ND(0.0067)
2-Butanone	mg/kg	0.0055 J	ND(0.069)	0.027 J	0.011 J	0.0059 J
2-Hexanone	mg/kg	ND(0.074)	ND(0.069)	ND(0.078)	ND(0.073)	ND(0.067)
4-Methyl-2-pentanone	mg/kg	ND(0.074)	ND(0.069)	ND(0.078)	ND(0.073)	ND(0.067)
Acetone	mg/kg	ND(0.021)	0.012 J	0.15 J	0.051 J	ND(0.025)
Benzene	mg/kg	ND(0.0074)	ND(0.0069)	ND(0.0078)	ND(0.0073)	ND(0.0067)
Bromomethane	mg/kg	ND(0.0074)	ND(0.0069)	ND(0.0078)	ND(0.0073)	ND(0.0067)
Carbon Disulfide	mg/kg	ND(0.0074)	ND(0.0069)	ND(0.0078)	ND(0.0073)	ND(0.0067)
Chlorobenzene	mg/kg	ND(0.0074)	ND(0.0069)	ND(0.0078)	ND(0.0073)	ND(0.0067)
Chloroethane	mg/kg	ND(0.0074 J)	ND(0.0069)	ND(0.0078)	ND(0.0073)	ND(0.0067 J)
Chloromethane	mg/kg	ND(0.0074)	ND(0.0069)	ND(0.0078)	ND(0.0073)	ND(0.0067)
Ethylbenzene	mg/kg	ND(0.0074)	ND(0.0069)	ND(0.0078)	ND(0.0073)	ND(0.0067)
Methylene Chloride	mg/kg	ND(0.096)	ND(0.040)	ND(0.0078)	ND(0.0076)	ND(0.0036)
Styrene	mg/kg	ND(0.0074)	ND(0.0069)	ND(0.0078)	ND(0.0073)	ND(0.0067)
Tetrachloroethene	mg/kg	ND(0.0074)	ND(0.0069)	ND(0.0078)	ND(0.0073)	ND(0.0067)
Toluene	mg/kg	ND(0.0074)	0.0050 J	ND(0.0078)	ND(0.0073)	ND(0.0067)
Total Xylenes	mg/kg	ND(0.0074)	ND(0.0069)	ND(0.0078)	ND(0.0073)	ND(0.0067)

See Generic Notes in Table 14.

Table 10. Volatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-27 0 - 1.3 06/19/95	Southern Drainage Channels SD-27 1.3 - 2.6 06/19/95	Southern Drainage Channels SD-27 2.6 - 3.9 06/19/95	Southern Drainage Channels SD-28 0 - 1.2 06/19/95	Southern Drainage Channels SD-28 1.2 - 2.4 06/19/95
Volatile Organics						
1,1,2,2-Tetrachloroethane	mg/kg	ND(0.98)	ND(0.0071)	ND(0.0068)	ND(2.3)	ND(0.0072)
1,2-Dichloroethene (total)	mg/kg	ND(0.98)	ND(0.0071)	ND(0.0068)	ND(2.3)	ND(0.0072)
1,4-Dichlorobenzene	mg/kg	ND(0.98)	ND(0.0071)	ND(0.0068)	ND(2.3)	ND(0.0072)
2-Butanone	mg/kg	ND(9.8)	0.0051 J	ND(0.068)	ND(23)	0.0046 J
2-Hexanone	mg/kg	ND(9.8)	ND(0.071)	ND(0.068)	ND(23)	ND(0.072)
4-Methyl-2-pentanone	mg/kg	ND(9.8)	ND(0.071)	ND(0.068)	ND(23)	ND(0.072)
Acetone	mg/kg	ND(9.8)	ND(0.029)	0.018 J	ND(23)	ND(0.028)
Benzene	mg/kg	ND(0.98)	ND(0.0071)	ND(0.0068)	ND(2.3)	ND(0.0072)
Bromomethane	mg/kg	ND(0.98 J)	ND(0.0071)	ND(0.0068)	ND(2.3)	ND(0.0072)
Carbon Disulfide	mg/kg	ND(0.98)	ND(0.0071)	ND(0.0068)	ND(2.3)	ND(0.0072)
Chlorobenzene	mg/kg	ND(0.98)	ND(0.0071)	ND(0.0068)	ND(2.3)	ND(0.0072)
Chloroethane	mg/kg	ND(0.98 J)	ND(0.0071 J)	ND(0.0068)	ND(2.3 J)	ND(0.0072 J)
Chloromethane	mg/kg	ND(0.98 J)	ND(0.0071)	ND(0.0068)	ND(2.3)	ND(0.0072)
Ethylbenzene	mg/kg	ND(0.98)	ND(0.0071)	ND(0.0068)	ND(2.3)	ND(0.0072)
Methylene Chloride	mg/kg	ND(18)	ND(0.052)	ND(0.013)	66 (IDWP)	ND(0.028)
Styrene	mg/kg	ND(0.98)	ND(0.0071)	ND(0.0068)	ND(2.3)	ND(0.0072)
Tetrachloroethene	mg/kg	ND(0.98)	ND(0.0071)	ND(0.0068)	ND(2.3)	ND(0.0072)
Toluene	mg/kg	ND(0.98)	0.0035 J	ND(0.0068)	ND(2.3)	ND(0.0072)
Total Xylenes	mg/kg	0.26 J	ND(0.0071)	ND(0.0068)	ND(2.3)	ND(0.0072)

See Generic Notes in Table 14.

Table 10. Volatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-28 2.4 - 3.6 06/19/95	Southern Drainage Channels SD-29 0 - 1.2 06/19/95	Southern Drainage Channels SD-29 1.2 - 2.4 06/19/95	Southern Drainage Channels SD-29 2.4 - 3.6 06/19/95	Southern Drainage Channels SD-30 0 - 1.1 06/19/95
Volatile Organics						
1,1,2,2-Tetrachloroethane	mg/kg	ND(0.0067)	ND(0.0082)	ND(0.0072)	ND(0.0074)	ND(0.0086)
1,2-Dichloroethene (total)	mg/kg	ND(0.0067)	ND(0.0082)	ND(0.0072)	ND(0.0074)	ND(0.0086)
1,4-Dichlorobenzene	mg/kg	ND(0.0067)	ND(0.0082)	ND(0.0072)	ND(0.0074)	ND(0.0086)
2-Butanone	mg/kg	0.0035 J	ND(0.082)	ND(0.072)	0.0056 J	ND(0.086)
2-Hexanone	mg/kg	ND(0.067)	ND(0.082)	ND(0.072)	ND(0.074)	ND(0.086)
4-Methyl-2-pentanone	mg/kg	ND(0.067)	ND(0.082)	ND(0.072)	ND(0.074)	ND(0.086)
Acetone	mg/kg	0.026 J	0.0094 J	ND(0.072 J)	0.023 J	ND(0.086 J)
Benzene	mg/kg	ND(0.0067)	ND(0.0082)	ND(0.0072)	ND(0.0074)	ND(0.0086)
Bromomethane	mg/kg	ND(0.0067)	ND(0.0082)	ND(0.0072)	ND(0.0074)	ND(0.0086)
Carbon Disulfide	mg/kg	ND(0.0067)	ND(0.0082)	ND(0.0072)	ND(0.0074)	ND(0.0086)
Chlorobenzene	mg/kg	ND(0.0067)	ND(0.0082)	ND(0.0072)	ND(0.0074)	ND(0.0086)
Chloroethane	mg/kg	ND(0.0067)	ND(0.0082)	ND(0.0072)	ND(0.0074)	ND(0.0086)
Chloromethane	mg/kg	ND(0.0067)	ND(0.0082)	ND(0.0072)	ND(0.0074)	ND(0.0086)
Ethylbenzene	mg/kg	ND(0.0067)	ND(0.0082)	ND(0.0072)	ND(0.0074)	ND(0.0086)
Methylene Chloride	mg/kg	ND(0.042)	ND(0.0082)	ND(0.0072)	ND(0.013)	ND(0.0086)
Styrene	mg/kg	ND(0.0067)	ND(0.0082)	ND(0.0072)	ND(0.0074)	ND(0.0086)
Tetrachloroethene	mg/kg	ND(0.0067)	ND(0.0082)	ND(0.0072)	ND(0.0074)	ND(0.0086)
Toluene	mg/kg	ND(0.0067)	ND(0.0082)	ND(0.0072)	0.0051 J	ND(0.0086)
Total Xylenes	mg/kg	ND(0.0067)	ND(0.0082)	ND(0.0072)	ND(0.0074)	ND(0.0086)

See Generic Notes in Table 14.

Table 10. Volatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-30 1.1 - 2.2 06/19/95	Southern Drainage Channels SD-30 2.2 - 3.3 06/19/95	Southern Drainage Channels SD-31 0 - 1.1 06/19/95	Southern Drainage Channels SD-31 1.1 - 2.2 06/19/95	Southern Drainage Channels SD-31 2.2 - 3.3 06/19/95
Volatile Organics						
1,1,2,2-Tetrachloroethane	mg/kg	ND(0.0063)	ND(0.0066)	ND(0.0088)	ND(0.0068)	ND(0.0061)
1,2-Dichloroethene (total)	mg/kg	ND(0.0063)	ND(0.0066)	ND(0.0088)	ND(0.0068)	ND(0.0061)
1,4-Dichlorobenzene	mg/kg	ND(0.0063)	ND(0.0066)	ND(0.0088)	ND(0.0068)	ND(0.0061)
2-Butanone	mg/kg	ND(0.063)	0.0043 J	ND(0.088)	ND(0.068)	ND(0.061)
2-Hexanone	mg/kg	ND(0.063)	ND(0.066 J)	ND(0.088)	ND(0.068)	ND(0.061)
4-Methyl-2-pentanone	mg/kg	ND(0.063)	ND(0.066 J)	ND(0.088)	ND(0.068)	ND(0.061)
Acetone	mg/kg	0.0054 J	0.018 J	ND(0.088)	ND(0.068)	ND(0.061)
Benzene	mg/kg	ND(0.0063)	ND(0.0066)	ND(0.0088)	ND(0.0068)	ND(0.0061)
Bromomethane	mg/kg	ND(0.0063)	ND(0.0066)	0.0088 J	0.0068 J	0.0061 J
Carbon Disulfide	mg/kg	ND(0.0063)	ND(0.0066)	ND(0.0088)	ND(0.0068)	ND(0.0061)
Chlorobenzene	mg/kg	ND(0.0063)	ND(0.0066)	ND(0.0088)	ND(0.0068)	ND(0.0061)
Chloroethane	mg/kg	ND(0.0063)	ND(0.0066)	0.0088 J	0.0068 J	0.0061 J
Chloromethane	mg/kg	ND(0.0063)	ND(0.0066)	0.0088 J	0.0068 J	0.0061 J
Ethylbenzene	mg/kg	ND(0.0063)	ND(0.0066)	ND(0.0088)	ND(0.0068)	ND(0.0061)
Methylene Chloride	mg/kg	ND(0.0048)	ND(0.0066)	ND(0.011)	ND(0.011)	ND(0.0060)
Styrene	mg/kg	ND(0.0063)	ND(0.0066)	ND(0.0088)	ND(0.0068)	ND(0.0061)
Tetrachloroethene	mg/kg	ND(0.0063)	ND(0.0066)	ND(0.0088)	ND(0.0068)	ND(0.0061)
Toluene	mg/kg	ND(0.0063)	ND(0.0066)	ND(0.0088)	ND(0.0068)	0.0052 J
Total Xylenes	mg/kg	ND(0.0063)	ND(0.0066)	ND(0.0088)	ND(0.0068)	ND(0.0061)

See Generic Notes in Table 14.

Table 10. Volatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-32 0 - 1.4 06/19/95	Southern Drainage Channels SD-32 1.4 - 2.8 06/19/95	Southern Drainage Channels SD-32 2.8 - 4.2 06/19/95	Southern Drainage Channels SD-33 0 - 1.3 06/19/95	Southern Drainage Channels SD-33 1.3 - 2.6 06/19/95
Volatile Organics						
1,1,2,2-Tetrachloroethane	mg/kg	ND(0.010) [ND(0.011)]	ND(0.0066)	ND(0.0062)	ND(0.011)	ND(0.014)
1,2-Dichloroethene (total)	mg/kg	ND(0.010) [ND(0.011)]	ND(0.0066)	ND(0.0062)	ND(0.011)	ND(0.014)
1,4-Dichlorobenzene	mg/kg	ND(0.010) [ND(0.011)]	ND(0.0066)	ND(0.0062)	ND(0.011)	ND(0.014)
2-Butanone	mg/kg	ND(0.10) [0.052 J]	0.066 J	ND(0.062)	0.057 J	0.071 J
2-Hexanone	mg/kg	ND(0.10) [0.11 J]	0.066 J	ND(0.062)	0.11 J	0.14 J
4-Methyl-2-pentanone	mg/kg	ND(0.10) [ND(0.11)]	ND(0.066)	ND(0.062)	ND(0.11)	ND(0.14)
Acetone	mg/kg	ND(0.20) [0.20 J]	ND(0.066)	ND(0.062)	0.23 J	0.29 J
Benzene	mg/kg	ND(0.010) [ND(0.011)]	ND(0.0066)	ND(0.0062)	ND(0.011)	ND(0.014)
Bromomethane	mg/kg	0.010 J [ND(0.011)]	ND(0.0066)	0.0062 J	ND(0.011)	ND(0.014)
Carbon Disulfide	mg/kg	ND(0.010) [ND(0.011)]	ND(0.0066)	ND(0.0062)	ND(0.011)	ND(0.014)
Chlorobenzene	mg/kg	ND(0.010) [ND(0.011)]	ND(0.0066)	ND(0.0062)	ND(0.011)	ND(0.014)
Chloroethane	mg/kg	0.010 J [ND(0.011)]	ND(0.0066)	0.0062 J	ND(0.011)	ND(0.014)
Chloromethane	mg/kg	0.010 J [ND(0.011)]	ND(0.0066)	0.0062 J	ND(0.011)	ND(0.014)
Ethylbenzene	mg/kg	ND(0.010) [ND(0.011)]	ND(0.0066)	ND(0.0062)	ND(0.011)	ND(0.014)
Methylene Chloride	mg/kg	ND(0.010) [ND(0.068)]	ND(0.0095)	ND(0.0091)	ND(0.052)	ND(0.034)
Styrene	mg/kg	ND(0.010) [ND(0.011)]	ND(0.0066)	ND(0.0062)	ND(0.011)	ND(0.014)
Tetrachloroethene	mg/kg	ND(0.010) [ND(0.011)]	ND(0.0066)	ND(0.0062)	ND(0.011)	ND(0.014)
Toluene	mg/kg	ND(0.010) [ND(0.011)]	ND(0.0066)	0.0030 J	ND(0.011)	ND(0.014)
Total Xylenes	mg/kg	ND(0.010) [ND(0.011)]	ND(0.0066)	ND(0.0062)	ND(0.011)	ND(0.014)

See Generic Notes in Table 14.

Table 10. Volatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-33 2.6 - 3.9 06/19/95	Southern Drainage Channels SD-34 0 - 1.3 06/21/95	Southern Drainage Channels SD-34 1.3 - 2.6 06/21/95	Southern Drainage Channels SD-34 2.6 - 3.9 06/21/95	Southern Drainage Channels SD-36 0 - 1.3 06/19/95
Volatile Organics						
1,1,2,2-Tetrachloroethane	mg/kg	ND(0.0059)	ND(0.0071 J)	ND(0.0075)	ND(0.0070)	ND(0.0072)
1,2-Dichloroethene (total)	mg/kg	ND(0.0059)	ND(0.0071)	ND(0.0075)	ND(0.0070)	ND(0.0072)
1,4-Dichlorobenzene	mg/kg	ND(0.0059)	ND(0.0071 J)	ND(0.0075)	ND(0.0070)	ND(0.0072)
2-Butanone	mg/kg	0.059 J	0.0091 J	0.0039 J	0.0036 J	0.0081 J
2-Hexanone	mg/kg	0.059 J	ND(0.071 J)	ND(0.075)	ND(0.070)	0.072 J
4-Methyl-2-pentanone	mg/kg	ND(0.059)	ND(0.071 J)	ND(0.075)	ND(0.070)	ND(0.072)
Acetone	mg/kg	ND(0.059 J)	ND(0.071)	ND(0.075)	ND(0.070)	0.030 J
Benzene	mg/kg	ND(0.0059)	ND(0.0071)	ND(0.0075)	ND(0.0070)	ND(0.0072)
Bromomethane	mg/kg	ND(0.0059)	ND(0.0071)	ND(0.0075)	ND(0.0070)	ND(0.0072)
Carbon Disulfide	mg/kg	ND(0.0059)	ND(0.0071)	ND(0.0075)	ND(0.0070)	ND(0.0072)
Chlorobenzene	mg/kg	ND(0.0059)	ND(0.0071 J)	ND(0.0075)	ND(0.0070)	ND(0.0072)
Chloroethane	mg/kg	ND(0.0059)	ND(0.0071)	ND(0.0075)	ND(0.0070)	ND(0.0072)
Chloromethane	mg/kg	ND(0.0059)	ND(0.0071)	ND(0.0075)	ND(0.0070)	ND(0.0072)
Ethylbenzene	mg/kg	ND(0.0059)	ND(0.0071 J)	ND(0.0075)	ND(0.0070)	ND(0.0072)
Methylene Chloride	mg/kg	ND(0.0060)	ND(0.0071)	ND(0.0070)	ND(0.0070)	ND(0.042)
Styrene	mg/kg	ND(0.0059)	ND(0.0071 J)	ND(0.0075)	ND(0.0070)	ND(0.0072)
Tetrachloroethene	mg/kg	ND(0.0059)	ND(0.0071 J)	ND(0.0075)	ND(0.0070)	ND(0.0072)
Toluene	mg/kg	ND(0.0059)	ND(0.0071 J)	ND(0.0075)	ND(0.0070)	ND(0.0072)
Total Xylenes	mg/kg	ND(0.0059)	ND(0.0071 J)	ND(0.0075)	ND(0.0070)	ND(0.0072)

See Generic Notes in Table 14.

Table 10. Volatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-36 1.3 - 2.6 06/19/95	Southern Drainage Channels SD-36 2.6 - 3.9 06/19/95	Southern Drainage Channels SD-37 0 - 1.3 06/19/95	Southern Drainage Channels SD-37 1.3 - 2.6 06/19/95	Southern Drainage Channels SD-37 2.6 - 3.9 06/19/95
Volatile Organics						
1,1,2,2-Tetrachloroethane	mg/kg	ND(0.0070)	ND(0.0076)	ND(0.0071)	ND(0.0073) [ND(0.0075)]	ND(0.0066)
1,2-Dichloroethene (total)	mg/kg	ND(0.0070)	ND(0.0076)	ND(0.0071)	ND(0.0073) [ND(0.0075)]	ND(0.0066)
1,4-Dichlorobenzene	mg/kg	ND(0.0070)	ND(0.0076)	ND(0.0071)	ND(0.0073) [ND(0.0075)]	ND(0.0066)
2-Butanone	mg/kg	0.0052 J	0.019 J	0.017 J	0.0034 J [0.0088 J]	0.0081 J
2-Hexanone	mg/kg	0.070 J	0.076 J	0.071 J	0.073 J [0.075 J]	0.066 J
4-Methyl-2-pentanone	mg/kg	ND(0.070)	ND(0.076)	ND(0.071)	ND(0.073) [ND(0.075)]	ND(0.066)
Acetone	mg/kg	0.018 J	0.079 J	0.075 J	0.012 J [0.033 J]	0.030 J
Benzene	mg/kg	ND(0.0070)	ND(0.0076)	ND(0.0071)	ND(0.0073) [ND(0.0075)]	ND(0.0066)
Bromomethane	mg/kg	ND(0.0070)	ND(0.0076)	ND(0.0071)	ND(0.0073) [ND(0.0075)]	ND(0.0066)
Carbon Disulfide	mg/kg	ND(0.0070)	ND(0.0076)	ND(0.0071)	ND(0.0073) [ND(0.0075)]	ND(0.0066)
Chlorobenzene	mg/kg	ND(0.0070)	ND(0.0076)	ND(0.0071)	ND(0.0073) [ND(0.0075)]	0.0027 J
Chloroethane	mg/kg	ND(0.0070)	ND(0.0076)	ND(0.0071)	ND(0.0073) [ND(0.0075)]	ND(0.0066)
Chloromethane	mg/kg	ND(0.0070)	ND(0.0076)	ND(0.0071)	ND(0.0073) [ND(0.0075)]	ND(0.0066)
Ethylbenzene	mg/kg	ND(0.0070)	ND(0.0076)	ND(0.0071)	ND(0.0073) [ND(0.0075)]	ND(0.0066)
Methylene Chloride	mg/kg	ND(0.075)	ND(0.10)	ND(0.074)	ND(0.063) [ND(0.088)]	ND(0.081)
Styrene	mg/kg	ND(0.0070)	ND(0.0076)	ND(0.0071)	ND(0.0073) [ND(0.0075)]	ND(0.0066)
Tetrachloroethene	mg/kg	ND(0.0070)	ND(0.0076)	ND(0.0071)	ND(0.0073) [ND(0.0075)]	ND(0.0066)
Toluene	mg/kg	ND(0.0070)	ND(0.0076)	ND(0.0071)	ND(0.0073) [ND(0.0075)]	ND(0.0066)
Total Xylenes	mg/kg	ND(0.0070)	ND(0.0076)	ND(0.0071)	ND(0.0073) [ND(0.0075)]	ND(0.0066)

See Generic Notes in Table 14.

Table 10. Volatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-38 0 - 1.2 06/19/95	Southern Drainage Channels SD-38 1.2 - 2.4 06/19/95	Southern Drainage Channels SD-59 0 - 0.5 08/10/00	Southern Drainage Channels SD-60 0 - 0.5 08/10/00	Southern Drainage Channels SD-61 0 - 0.5 08/10/00
Volatile Organics						
1,1,2,2-Tetrachloroethane	mg/kg	ND(0.010)	ND(0.0066)	ND(0.0084)	ND(0.0084)	ND(0.0081)
1,2-Dichloroethene (total)	mg/kg	ND(0.010)	ND(0.0066)	ND(0.0084)	ND(0.0084)	ND(0.0081)
1,4-Dichlorobenzene	mg/kg	ND(0.010)	ND(0.0066)	NA	NA	NA
2-Butanone	mg/kg	0.021 J	0.0043 J	ND(0.033)	ND(0.034)	ND(0.032)
2-Hexanone	mg/kg	0.10 J	0.066 J	ND(0.033)	ND(0.034)	ND(0.032)
4-Methyl-2-pentanone	mg/kg	0.10 J	ND(0.066)	ND(0.033)	ND(0.034)	ND(0.032)
Acetone	mg/kg	0.099 J	0.015 J	ND(0.033)	0.032 J	0.033 J
Benzene	mg/kg	ND(0.010)	ND(0.0066)	ND(0.0084)	ND(0.0084)	ND(0.0081)
Bromomethane	mg/kg	ND(0.010)	ND(0.0066)	ND(0.017)	ND(0.017)	ND(0.016)
Carbon Disulfide	mg/kg	ND(0.010)	ND(0.0066)	ND(0.0084)	ND(0.0084)	ND(0.0081)
Chlorobenzene	mg/kg	ND(0.010)	ND(0.0066)	ND(0.0084)	0.0012 J	ND(0.0081)
Chloroethane	mg/kg	ND(0.010)	ND(0.0066)	ND(0.017)	ND(0.017)	ND(0.016)
Chloromethane	mg/kg	0.0058 J	ND(0.0066)	ND(0.017)	ND(0.017)	ND(0.016)
Ethylbenzene	mg/kg	ND(0.010)	ND(0.0066)	ND(0.0084)	ND(0.0084)	ND(0.0081)
Methylene Chloride	mg/kg	ND(0.028)	ND(0.028)	ND(0.0084)	ND(0.011)	ND(0.0091)
Styrene	mg/kg	ND(0.010)	ND(0.0066)	ND(0.0084)	ND(0.0084)	ND(0.0081)
Tetrachloroethene	mg/kg	ND(0.010)	ND(0.0066)	ND(0.0084)	ND(0.0084)	ND(0.0081)
Toluene	mg/kg	ND(0.010)	ND(0.0066)	ND(0.0084)	ND(0.0084)	ND(0.0081)
Total Xylenes	mg/kg	ND(0.010)	ND(0.0066)	ND(0.0084)	ND(0.0084)	ND(0.0081)

See Generic Notes in Table 14.

Table 10. Volatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Submarine Pond SD-43 0 - 0.8 06/15/95	Submarine Pond SD-43 0.8 - 1.6 06/15/95	Submarine Pond SD-44 0 - 0.9 06/15/95	Submarine Pond SD-44 0.9 - 1.8 06/15/95	Submarine Pond SD-45 0 - 0.7 06/15/95	Submarine Pond SD-45 0.7 - 1.4 06/15/95	Submarine Pond SD-46 0 - 1.5 06/15/95	Submarine Pond SD-46 1.5 - 3 06/15/95
Volatile Organics									
1,1,2,2-Tetrachloroethane	mg/kg	ND(0.0071 J)	ND(0.0059)	ND(0.010)	ND(0.0079)	ND(0.0069)	ND(0.0066)	ND(0.0096 J)	ND(0.0074 J)
1,2-Dichloroethene (total)	mg/kg	ND(0.0071)	ND(0.0059)	ND(0.010)	ND(0.0079)	ND(0.0069)	ND(0.0066)	ND(0.0096)	ND(0.0074)
1,4-Dichlorobenzene	mg/kg	ND(0.0071)	ND(0.0059)	ND(0.010)	ND(0.0079)	ND(0.0069)	ND(0.0066)	ND(0.0096)	ND(0.0074)
2-Butanone	mg/kg	ND(0.071 J)	ND(0.059 J)	0.018 J	0.0069 J	0.0087 J	0.0096 J	0.028 J	0.018 J
2-Hexanone	mg/kg	ND(0.071 J)	ND(0.059 J)	ND(0.10)	ND(0.079)	ND(0.069)	ND(0.066)	ND(0.096 J)	ND(0.074 J)
4-Methyl-2-pentanone	mg/kg	ND(0.071 J)	ND(0.059 J)	ND(0.10)	ND(0.079)	ND(0.069)	ND(0.066)	ND(0.096 J)	ND(0.074 J)
Acetone	mg/kg	0.086 J	0.010 J	0.080 J	0.032 J	0.070 J	0.067 J	0.18 J	0.082 J
Benzene	mg/kg	ND(0.0071)	ND(0.0059)	0.0063 J	ND(0.0079)	ND(0.0069)	ND(0.0066)	ND(0.0096)	ND(0.0074)
Bromomethane	mg/kg	ND(0.0071 J)	ND(0.0059)	ND(0.010)	ND(0.0079)	ND(0.0069)	ND(0.0066)	ND(0.0096 J)	ND(0.0074)
Carbon Disulfide	mg/kg	ND(0.0071)	ND(0.0059)	ND(0.010)	ND(0.0079)	ND(0.0069)	ND(0.0066)	ND(0.0096)	ND(0.0074)
Chlorobenzene	mg/kg	ND(0.0071)	ND(0.0059)	ND(0.010)	ND(0.0079)	ND(0.0069)	ND(0.0066)	ND(0.0096)	ND(0.0074)
Chloroethane	mg/kg	ND(0.0071 J)	ND(0.0059)	ND(0.010 J)	ND(0.0079 J)	ND(0.0069 J)	ND(0.0066 J)	ND(0.0096 J)	ND(0.0074)
Chloromethane	mg/kg	ND(0.0071 J)	ND(0.0059)	ND(0.010)	ND(0.0079)	ND(0.0069)	ND(0.0066)	ND(0.0096)	ND(0.0074)
Ethylbenzene	mg/kg	ND(0.0071)	ND(0.0059)	ND(0.010)	ND(0.0079)	ND(0.0069)	ND(0.0066)	ND(0.0096)	ND(0.0074)
Methylene Chloride	mg/kg	ND(0.074)	ND(0.014)	ND(0.084)	ND(0.036)	ND(0.042)	ND(0.016)	ND(0.053)	ND(0.097)
Styrene	mg/kg	ND(0.0071)	ND(0.0059)	ND(0.010)	ND(0.0079)	ND(0.0069)	ND(0.0066)	ND(0.0096)	ND(0.0074)
Tetrachloroethene	mg/kg	ND(0.0071)	ND(0.0059)	ND(0.010)	ND(0.0079)	ND(0.0069)	ND(0.0066)	ND(0.0096)	ND(0.0074)
Toluene	mg/kg	ND(0.0071)	ND(0.0059)	ND(0.010)	ND(0.0079)	ND(0.0069)	ND(0.0066)	ND(0.0096)	ND(0.0074)
Total Xylenes	mg/kg	ND(0.0071)	ND(0.0059)	ND(0.010)	ND(0.0079)	ND(0.0069)	ND(0.0066)	ND(0.0096)	ND(0.0074)

See Generic Notes in Table 14.

Table 10. Volatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Sample Depth (ft BGS): / Date Collected:	Units	Submarine Pond SD-46 3 - 4.5 06/15/95	Submarine Pond SD-47 0 - 1.5 06/15/95	Submarine Pond SD-47 1.5 - 3 06/15/95	Submarine Pond SD-48 0 - 1.3 06/15/95	Submarine Pond SD-48 1.3 - 2.6 06/15/95
Volatile Organics						
1,1,2,2-Tetrachloroethane	mg/kg	ND(0.0067 J)	ND(0.031 J)	ND(0.0067 J)	ND(0.0064)	ND(0.0067)
1,2-Dichloroethene (total)	mg/kg	ND(0.0067)	ND(0.031)	ND(0.0067)	ND(0.0064)	ND(0.0067)
1,4-Dichlorobenzene	mg/kg	ND(0.0067)	ND(0.031)	ND(0.0067)	ND(0.0064)	ND(0.0067)
2-Butanone	mg/kg	0.0068 J	ND(0.31 J)	ND(0.067 J)	ND(0.064)	0.0067 J
2-Hexanone	mg/kg	ND(0.067 J)	ND(0.31 J)	ND(0.067 J)	ND(0.064)	ND(0.067)
4-Methyl-2-pentanone	mg/kg	ND(0.067 J)	ND(0.31 J)	ND(0.067 J)	ND(0.064)	ND(0.067)
Acetone	mg/kg	0.029 J	0.022 J	0.0072 J	0.012 J	0.033 J
Benzene	mg/kg	ND(0.0067)	ND(0.031)	ND(0.0067)	ND(0.0064)	ND(0.0067)
Bromomethane	mg/kg	ND(0.0067)	ND(0.031)	ND(0.0067)	ND(0.0064)	ND(0.0067)
Carbon Disulfide	mg/kg	ND(0.0067)	ND(0.031)	ND(0.0067)	ND(0.0064)	ND(0.0067)
Chlorobenzene	mg/kg	ND(0.0067)	ND(0.031)	ND(0.0067)	ND(0.0064)	ND(0.0067)
Chloroethane	mg/kg	ND(0.0067 J)	ND(0.031)	ND(0.0067)	ND(0.0064 J)	ND(0.0067 J)
Chloromethane	mg/kg	ND(0.0067)	ND(0.031)	ND(0.0067)	ND(0.0064)	ND(0.0067)
Ethylbenzene	mg/kg	ND(0.0067)	ND(0.031)	ND(0.0067)	ND(0.0064)	ND(0.0067)
Methylene Chloride	mg/kg	ND(0.26)	ND(0.50)	0.015 B	ND(0.014)	ND(0.010)
Styrene	mg/kg	ND(0.0067)	ND(0.031)	ND(0.0067)	ND(0.0064)	ND(0.0067)
Tetrachloroethene	mg/kg	ND(0.0067)	ND(0.031)	ND(0.0067)	ND(0.0064)	ND(0.0067)
Toluene	mg/kg	ND(0.0067)	ND(0.031)	ND(0.0067)	ND(0.0064)	ND(0.0067)
Total Xylenes	mg/kg	ND(0.0067)	ND(0.031)	ND(0.0067)	ND(0.0064)	ND(0.0067)

See Generic Notes in Table 14.

Table 11. Semivolatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Generic MDEQ Criteria Values						Drum Remediation/Wetland Area SD-39 0 - 1 06/22/95	Drum Remediation/Wetland Area SD-39 1 - 2 06/22/95
		GCCP	IDC	IDWP	IPSIC	ISVIA	IVSICI		
Semivolatile Organics									
2,4-Dimethylphenol	mg/kg	10,000	36,000	20	2,100,000	{NLV}	{NLV}	ND(0.20) [ND(0.20)]	ND(0.18)
2-Methylnaphthalene	mg/kg	5,500	26,000	170	{ID}	{ID}	{ID}	ND(0.20) [ND(0.20)]	ND(0.18)
2-Methylphenol	mg/kg	--	--	--	--	--	--	ND(0.20) [ND(0.20)]	ND(0.18)
4-Methylphenol	mg/kg	--	--	--	--	--	--	ND(0.20) [ND(0.20)]	ND(0.18)
Acenaphthene	mg/kg	970	130,000	880	6,200,000	350,000	97,000	ND(0.20) [ND(0.20)]	ND(0.18)
Anthracene	mg/kg	41	730,000	41	29,000,000	1,000,000 {D}	1,600,000	ND(0.20) [ND(0.20)]	ND(0.18)
Benzo(a)anthracene	mg/kg	{NLL}	80 {Q}	{NLL}	{ID}	{NLV}	{NLV}	ND(0.20) [ND(0.20)]	ND(0.18)
Benzo(a)pyrene	mg/kg	{NLL}	8 {Q}	{NLL}	1,900 {Q}	{NLV}	{NLV}	ND(0.20) [ND(0.20)]	ND(0.18)
Benzo(b)fluoranthene	mg/kg	{NLL}	80 {Q}	{NLL}	{ID}	{ID}	{ID}	ND(0.20) [ND(0.20)]	ND(0.18)
Benzo(g,h,i)perylene	mg/kg	{NLL}	7,000	{NLL}	350,000	{NLV}	{NLV}	ND(0.20) [ND(0.20)]	ND(0.18)
Benzo(k)fluoranthene	mg/kg	{NLL}	800 {Q}	{NLL}	{ID}	{NLV}	{NLV}	ND(0.20) [ND(0.20)]	ND(0.18)
bis(2-Ethylhexyl)phthalate	mg/kg	{NLL}	10,000 {C}	{NLL}	890,000	{NLV}	{NLV}	ND(0.20) [ND(0.20)]	ND(0.18)
Butylbenzylphthalate	mg/kg	310 {C}	310 {C}	310 {C}	21,000,000	{NLV}	{NLV}	ND(0.20) [ND(0.20)]	ND(0.18)
Carbazole	mg/kg	820	2,400	39	{ID}	{NLV}	{NLV}	ND(0.20) [ND(0.20)]	ND(0.18)
Chrysene	mg/kg	{NLL}	8,000 {Q}	{NLL}	{ID}	{ID}	{ID}	ND(0.20) [ND(0.20)]	ND(0.18)
Dibenzo(a,h)anthracene	mg/kg	{NLL}	8 {Q}	{NLL}	{ID}	{NLV}	{NLV}	ND(0.20) [ND(0.20)]	ND(0.18)
Dibenzofuran	mg/kg	{ID}	{ID}	{ID}	{ID}	{ID}	{ID}	ND(0.20) [ND(0.20)]	ND(0.18)
Di-n-Butylphthalate	mg/kg	760 {C}	760 {C}	760 {C}	1,500,000	{NLV}	{NLV}	ND(0.20) [ND(0.20)]	ND(0.18)
Di-n-Octylphthalate	mg/kg	140,000 {C}	20,000	140,000 {C}	{ID}	{NLV}	{NLV}	ND(0.20) [ND(0.20)]	ND(0.18)
Fluoranthene	mg/kg	730	130,000	730	4,100,000	1,000,000 {D}	890,000	ND(0.20) [ND(0.20)]	ND(0.18)
Fluorene	mg/kg	890	87,000	890	4,100,000	1,000,000 {D}	150,000	ND(0.20) [ND(0.20)]	ND(0.18)
Indeno(1,2,3-cd)pyrene	mg/kg	{NLL}	80 {Q}	{NLL}	{ID}	{NLV}	{NLV}	ND(0.20) [ND(0.20)]	ND(0.18)
Isophorone	mg/kg	2,400 {C}	2,400 {C}	62	8,200,000	{NLV}	{NLV}	ND(0.20) [ND(0.20)]	ND(0.18)
Naphthalene	mg/kg	2,100	52,000	100	88,000	470	350	ND(0.20) [ND(0.20)]	ND(0.18)
Phenanthrene	mg/kg	1,100	5,200	160	2,900	5,100	190	ND(0.20) [ND(0.20)]	ND(0.18)
Phenol	mg/kg	12,000 {C}	12,000 {C,DD}	260	18,000,000	{NLV}	{NLV}	ND(0.20) [ND(0.20)]	ND(0.18)
Pyrene	mg/kg	480	84,000	480	2,900,000	1,000,000 {D}	780,000	ND(0.20) [ND(0.20)]	ND(0.18)
Total Methylphenols	mg/kg	16,000 {J}	36,000 {J}	20 {J}	2,900,000 {J}	{NLV}	{NLV}	ND(0.20) [ND(0.20)]	ND(0.18)

See Generic Notes in Table 14.

Table 11. Semivolatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Drum Remediation/Wetland Area SD-40 0 - 1.1 06/22/95	Drum Remediation/Wetland Area SD-40 1.1 - 2.2 06/22/95	Drum Remediation/Wetland Area SD-62 0 - 0.5 08/10/00	Drum Remediation/Wetland Area SD-64 0 - 0.5 08/10/00
Semivolatile Organics					
2,4-Dimethylphenol	mg/kg	ND(0.29)	ND(0.23)	ND(1.7) [ND(1.2)]	ND(0.69)
2-Methylnaphthalene	mg/kg	0.42	0.042 J	0.20 J [0.15 J]	ND(0.69)
2-Methylphenol	mg/kg	ND(0.29)	ND(0.23)	ND(1.7) [ND(1.2)]	ND(0.69)
4-Methylphenol	mg/kg	0.080 J	ND(0.23)	ND(1.7) [ND(1.2)]	ND(0.69)
Acenaphthene	mg/kg	ND(0.29)	ND(0.23)	0.45 J [0.35 J]	ND(0.69)
Anthracene	mg/kg	ND(0.29)	ND(0.23)	1.4 J [1.1 J]	ND(0.69)
Benzo(a)anthracene	mg/kg	0.046 J	ND(0.23)	4.8 [3.4]	ND(0.69)
Benzo(a)pyrene	mg/kg	0.058 J	ND(0.23)	6.7 [4.9]	ND(0.69)
Benzo(b)fluoranthene	mg/kg	0.085 J	ND(0.23)	8.4 [5.8]	ND(0.69)
Benzo(g,h,i)perylene	mg/kg	ND(0.29)	ND(0.23)	3.8 [2.7]	ND(0.69)
Benzo(k)fluoranthene	mg/kg	ND(0.29)	ND(0.23)	2.9 [2.5]	ND(0.69)
bis(2-Ethylhexyl)phthalate	mg/kg	ND(0.29)	ND(0.23)	ND(1.7) [ND(1.2)]	ND(0.69)
Butylbenzylphthalate	mg/kg	ND(0.29)	ND(0.23)	ND(1.7) [ND(1.2)]	ND(0.69)
Carbazole	mg/kg	ND(0.29)	ND(0.23)	0.73 J [0.53 J]	ND(0.69)
Chrysene	mg/kg	0.062 J	ND(0.23)	5.5 [4.0]	ND(0.69)
Dibenzo(a,h)anthracene	mg/kg	ND(0.29)	ND(0.23)	0.99 J [0.71 J]	ND(0.69)
Dibenzofuran	mg/kg	0.044 J	ND(0.23)	0.33 J [0.26 J]	ND(0.69)
Di-n-Butylphthalate	mg/kg	0.13 J	ND(0.23)	ND(1.7) [ND(1.2)]	ND(0.69)
Di-n-Octylphthalate	mg/kg	ND(0.29)	ND(0.23)	ND(1.7) [ND(1.2)]	ND(0.69)
Fluoranthene	mg/kg	0.099 J	ND(0.23)	9.2 [6.9]	ND(0.69)
Fluorene	mg/kg	ND(0.29)	ND(0.23)	0.35 J [0.24 J]	ND(0.69)
Indeno(1,2,3-cd)pyrene	mg/kg	ND(0.29)	ND(0.23)	3.9 [2.7]	ND(0.69)
Isophorone	mg/kg	ND(0.29)	ND(0.23)	ND(1.7) [ND(1.2)]	ND(0.69)
Naphthalene	mg/kg	0.32	0.030 J	0.37 J [0.31 J]	ND(0.69)
Phenanthrene	mg/kg	0.16 J	0.026 J	5.6 [4.4]	ND(0.69)
Phenol	mg/kg	0.22 J	ND(0.23)	ND(1.7) [ND(1.2)]	ND(0.69)
Pyrene	mg/kg	0.067 J	ND(0.23)	7.8 [5.8]	ND(0.69)
Total Methylphenols	mg/kg	ND(0.29)	ND(0.23)	ND(1.7) [ND(1.2)]	ND(0.69)

See Generic Notes in Table 14.

Table 11. Semivolatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area:		Drum Remediation/Wetland Area	Eastern Property Extension	Eastern Property Extension	Eastern Property Extension	Eastern Property Extension
Location ID:		SD-65	SD-24	SD-24	SD-25	SD-25
Sample Depth (ft BGS):		0 - 0.5	0 - 1.5	1.5 - 3	0 - 1.1	1.1 - 2.2
Date Collected:	Units	08/10/00	06/19/95	06/19/95	06/19/95	06/19/95
Semivolatile Organics						
2,4-Dimethylphenol	mg/kg	ND(0.54)	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
2-Methylnaphthalene	mg/kg	ND(0.54)	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
2-Methylphenol	mg/kg	ND(0.54)	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
4-Methylphenol	mg/kg	ND(0.54)	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
Acenaphthene	mg/kg	ND(0.54)	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
Anthracene	mg/kg	0.063 J	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
Benzo(a)anthracene	mg/kg	0.25 J	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
Benzo(a)pyrene	mg/kg	0.35 J	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
Benzo(b)fluoranthene	mg/kg	0.48 J	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
Benzo(g,h,i)perylene	mg/kg	0.24 J	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
Benzo(k)fluoranthene	mg/kg	0.15 J	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
bis(2-Ethylhexyl)phthalate	mg/kg	ND(0.54)	ND(0.26)	ND(0.26)	ND(0.23 J)	0.029 J
Butylbenzylphthalate	mg/kg	ND(0.54)	ND(0.26)	ND(0.26)	ND(0.23 J)	ND(0.22)
Carbazole	mg/kg	ND(0.54)	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
Chrysene	mg/kg	0.30 J	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
Dibenzo(a,h)anthracene	mg/kg	ND(0.54)	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
Dibenzofuran	mg/kg	ND(0.54)	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
Di-n-Butylphthalate	mg/kg	ND(0.54)	ND(0.26)	ND(0.26)	0.11 J	0.19 J
Di-n-Octylphthalate	mg/kg	ND(0.54)	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
Fluoranthene	mg/kg	0.51 J	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
Fluorene	mg/kg	ND(0.54)	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
Indeno(1,2,3-cd)pyrene	mg/kg	0.23 J	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
Isophorone	mg/kg	ND(0.54)	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
Naphthalene	mg/kg	ND(0.54)	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
Phenanthrene	mg/kg	0.25 J	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
Phenol	mg/kg	ND(0.54)	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
Pyrene	mg/kg	0.42 J	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)
Total Methylphenols	mg/kg	ND(0.54)	ND(0.26)	ND(0.26)	ND(0.23)	ND(0.22)

See Generic Notes in Table 14.

Table 11. Semivolatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Sample Depth (ft BGS): / Date Collected:	Units	Eastern Property Extension SD-25 2.2 - 3.3 06/19/95	Green Point Landfill SD-35 0 - 1.5 06/21/95	Green Point Landfill SD-35 1.5 - 3 06/21/95	Green Point Landfill SD-35 3 - 4.5 06/21/95	Green Point Landfill SD-41 0 - 1 06/22/95	Green Point Landfill SD-41 1 - 2 06/22/95	Green Point Landfill SD-42 0 - 1 06/22/95
Semivolatile Organics								
2,4-Dimethylphenol	mg/kg	ND(0.23)	ND(0.33)	ND(0.23)	ND(0.24)	ND(0.45)	0.034 J	ND(0.17)
2-Methylnaphthalene	mg/kg	ND(0.23)	0.35	0.57	0.12 J	1.9	0.39	0.61
2-Methylphenol	mg/kg	ND(0.23)	ND(0.33)	ND(0.23)	ND(0.24)	0.091 J	0.042 J	ND(0.17)
4-Methylphenol	mg/kg	ND(0.23)	ND(0.33)	ND(0.23)	ND(0.24)	0.31 J	0.069 J	ND(0.17)
Acenaphthene	mg/kg	ND(0.23)	ND(0.33)	ND(0.23)	ND(0.24)	ND(0.45)	ND(0.20)	ND(0.17)
Anthracene	mg/kg	ND(0.23)	ND(0.33)	0.046 J	ND(0.24)	0.12 J	0.023 J	0.040 J
Benzo(a)anthracene	mg/kg	ND(0.23)	ND(0.33)	0.062 J	ND(0.24)	0.12 J	0.027 J	0.041 J
Benzo(a)pyrene	mg/kg	ND(0.23)	ND(0.33)	0.066 J	ND(0.24)	0.090 J	0.025 J	0.026 J
Benzo(b)fluoranthene	mg/kg	ND(0.23)	ND(0.33)	0.11 J	ND(0.24)	0.19 J	0.036 J	0.041 J
Benzo(g,h,i)perylene	mg/kg	ND(0.23)	ND(0.33)	ND(0.23)	ND(0.24)	ND(0.45)	ND(0.20)	0.023 J
Benzo(k)fluoranthene	mg/kg	ND(0.23)	ND(0.33)	ND(0.23)	ND(0.24)	0.050 J	ND(0.20)	ND(0.17)
bis(2-Ethylhexyl)phthalate	mg/kg	ND(0.23 J)	ND(0.33)	0.14 J	ND(0.24)	0.14 J	0.11 J	0.032 J
Butylbenzylphthalate	mg/kg	ND(0.23 J)	ND(0.33)	ND(0.23)	ND(0.24)	ND(0.45)	ND(0.20)	ND(0.17)
Carbazole	mg/kg	ND(0.23)	ND(0.33)	ND(0.23)	ND(0.24)	ND(0.45)	ND(0.20)	ND(0.17)
Chrysene	mg/kg	ND(0.23)	ND(0.33)	0.091 J	ND(0.24)	0.24 J	0.036 J	0.057 J
Dibenzo(a,h)anthracene	mg/kg	ND(0.23)	ND(0.33)	ND(0.23)	ND(0.24)	ND(0.45)	ND(0.20)	ND(0.17)
Dibenzofuran	mg/kg	ND(0.23)	0.080 J	0.11 J	ND(0.24)	0.35 J	0.071 J	0.10 J
Di-n-Butylphthalate	mg/kg	0.14 J	0.055 J	0.094 J	ND(0.24)	0.083 J	0.098 J	ND(0.17)
Di-n-Octylphthalate	mg/kg	ND(0.23)	ND(0.33)	0.098 J	ND(0.24)	ND(0.45)	0.17 J	ND(0.17)
Fluoranthene	mg/kg	ND(0.23)	0.060 J	0.16 J	ND(0.24)	0.35 J	0.059 J	0.10 J
Fluorene	mg/kg	ND(0.23)	ND(0.33)	ND(0.23)	ND(0.24)	0.070 J	0.029 J	ND(0.17)
Indeno(1,2,3-cd)pyrene	mg/kg	ND(0.23)	ND(0.33)	ND(0.23)	ND(0.24)	ND(0.45)	ND(0.20)	ND(0.17)
Isophorone	mg/kg	ND(0.23)	ND(0.33)	0.33	0.16 J	ND(0.45)	ND(0.20)	ND(0.17)
Naphthalene	mg/kg	ND(0.23)	0.26 J	0.48	0.088 J	1.4	0.32	0.45
Phenanthrene	mg/kg	ND(0.23)	0.18 J	0.33	0.055 J	1.0	0.19 J	0.33
Phenol	mg/kg	ND(0.23)	ND(0.33)	ND(0.23)	ND(0.24)	0.26 J	0.13 J	0.099 J
Pyrene	mg/kg	ND(0.23)	0.058 J	0.10 J	ND(0.24)	0.24 J	0.042 J	0.056 J
Total Methylphenols	mg/kg	ND(0.23)	ND(0.33)	ND(0.23)	ND(0.24)	0.091 J	0.042 J	ND(0.17)

See Generic Notes in Table 14.

Table 11. Semivolatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Sample Depth (ft BGS): / Date Collected:	Units	Green Point Landfill SD-42 1 - 2 06/22/95	Southern Drainage Channels SD-22 0 - 1.2 06/19/95	Southern Drainage Channels SD-22 1.2 - 2.4 06/19/95	Southern Drainage Channels SD-22 2.4 - 3.6 06/19/95	Southern Drainage Channels SD-23 0 - 1.2 06/19/95
Semivolatile Organics						
2,4-Dimethylphenol	mg/kg	0.10 J	ND(0.20)	ND(0.22)	ND(0.22)	ND(0.20)
2-Methylnaphthalene	mg/kg	1.4	0.033 J	ND(0.22)	ND(0.22)	ND(0.20)
2-Methylphenol	mg/kg	0.11 J	ND(0.20)	ND(0.22)	ND(0.22)	ND(0.20)
4-Methylphenol	mg/kg	0.11 J	ND(0.20)	ND(0.22)	ND(0.22)	ND(0.20)
Acenaphthene	mg/kg	0.045 J	ND(0.20)	ND(0.22)	ND(0.22)	ND(0.20)
Anthracene	mg/kg	0.10 J	ND(0.20)	0.041 J	ND(0.22)	ND(0.20)
Benzo(a)anthracene	mg/kg	0.11 J	0.064 J	0.28	ND(0.22)	0.047 J
Benzo(a)pyrene	mg/kg	0.089 J	0.055 J	0.25	ND(0.22)	0.064 J
Benzo(b)fluoranthene	mg/kg	0.13 J	0.070 J	0.28	ND(0.22)	0.090 J
Benzo(g,h,i)perylene	mg/kg	0.054 J	ND(0.20)	0.091 J	ND(0.22)	ND(0.20)
Benzo(k)fluoranthene	mg/kg	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.22)	0.053 J
bis(2-Ethylhexyl)phthalate	mg/kg	0.057 J	0.021 J	ND(0.22)	ND(0.22)	0.097 J
Butylbenzylphthalate	mg/kg	ND(0.21)	ND(0.20 J)	ND(0.22)	ND(0.22)	ND(0.20)
Carbazole	mg/kg	0.035 J	ND(0.20)	ND(0.22)	ND(0.22)	ND(0.20)
Chrysene	mg/kg	0.15 J	0.074 J	0.34	ND(0.22)	0.068 J
Dibenzo(a,h)anthracene	mg/kg	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.22)	ND(0.20)
Dibenzofuran	mg/kg	0.29	ND(0.20)	ND(0.22)	ND(0.22)	ND(0.20)
Di-n-Butylphthalate	mg/kg	ND(0.21)	0.14 J	0.18 J	ND(0.22)	ND(0.20)
Di-n-Octylphthalate	mg/kg	0.045 J	ND(0.20)	ND(0.22)	ND(0.22)	ND(0.20)
Fluoranthene	mg/kg	0.24	0.12 J	0.56	ND(0.22)	0.13 J
Fluorene	mg/kg	0.083 J	ND(0.20)	ND(0.22)	ND(0.22)	ND(0.20)
Indeno(1,2,3-cd)pyrene	mg/kg	0.025 J	ND(0.20)	0.090 J	ND(0.22)	ND(0.20)
Isophorone	mg/kg	0.054 J	ND(0.20)	ND(0.22)	ND(0.22)	ND(0.20)
Naphthalene	mg/kg	1.1	ND(0.20)	ND(0.22)	ND(0.22)	ND(0.20)
Phenanthrene	mg/kg	0.68	0.049 J	0.21 J	ND(0.22)	0.072 J
Phenol	mg/kg	0.17 J	ND(0.20)	ND(0.22)	ND(0.22)	ND(0.20)
Pyrene	mg/kg	0.15 J	0.11 J	0.58	ND(0.22)	0.088 J
Total Methylphenols	mg/kg	0.11 J	ND(0.20)	ND(0.22)	ND(0.22)	ND(0.20)

See Generic Notes in Table 14.

Table 11. Semivolatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-23 1.2 - 2.4 06/19/95	Southern Drainage Channels SD-23 2.4 - 3.6 06/19/95	Southern Drainage Channels SD-26 0 - 1.2 06/19/95	Southern Drainage Channels SD-26 1.2 - 2.4 06/19/95	Southern Drainage Channels SD-26 2.4 - 3.6 06/19/95
Semivolatile Organics						
2,4-Dimethylphenol	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
2-Methylnaphthalene	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
2-Methylphenol	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
4-Methylphenol	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Acenaphthene	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Anthracene	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Benzo(a)anthracene	mg/kg	0.053 J	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Benzo(a)pyrene	mg/kg	0.070 J	0.048 J	ND(0.26)	ND(0.24)	ND(0.22)
Benzo(b)fluoranthene	mg/kg	0.082 J	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Benzo(g,h,i)perylene	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Benzo(k)fluoranthene	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
bis(2-Ethylhexyl)phthalate	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Butylbenzylphthalate	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Carbazole	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Chrysene	mg/kg	0.062 J	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Dibenzo(a,h)anthracene	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Dibenzofuran	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Di-n-Butylphthalate	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Di-n-Octylphthalate	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Fluoranthene	mg/kg	0.065 J	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Fluorene	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Indeno(1,2,3-cd)pyrene	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Isophorone	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Naphthalene	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Phenanthrene	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Phenol	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Pyrene	mg/kg	0.063 J	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Total Methylphenols	mg/kg	ND(0.24)	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)

See Generic Notes in Table 14.

Table 11. Semivolatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-27 0 - 1.3 06/19/95	Southern Drainage Channels SD-27 1.3 - 2.6 06/19/95	Southern Drainage Channels SD-27 2.6 - 3.9 06/19/95	Southern Drainage Channels SD-28 0 - 1.2 06/19/95	Southern Drainage Channels SD-28 1.2 - 2.4 06/19/95
Semivolatile Organics						
2,4-Dimethylphenol	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
2-Methylnaphthalene	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	0.044 J	0.030 J
2-Methylphenol	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
4-Methylphenol	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Acenaphthene	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Anthracene	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Benzo(a)anthracene	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Benzo(a)pyrene	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Benzo(b)fluoranthene	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Benzo(g,h,i)perylene	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Benzo(k)fluoranthene	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
bis(2-Ethylhexyl)phthalate	mg/kg	0.19 J	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Butylbenzylphthalate	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Carbazole	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Chrysene	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Dibenzo(a,h)anthracene	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Dibenzofuran	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Di-n-Butylphthalate	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Di-n-Octylphthalate	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Fluoranthene	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Fluorene	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Indeno(1,2,3-cd)pyrene	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Isophorone	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Naphthalene	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Phenanthrene	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Phenol	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Pyrene	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)
Total Methylphenols	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)	ND(0.24)

See Generic Notes in Table 14.

Table 11. Semivolatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Sample Depth (ft BGS): / Date Collected:	Units	Southern Drainage Channels SD-28 2.4 - 3.6 06/19/95	Southern Drainage Channels SD-29 0 - 1.2 06/19/95	Southern Drainage Channels SD-29 1.2 - 2.4 06/19/95	Southern Drainage Channels SD-29 2.4 - 3.6 06/19/95	Southern Drainage Channels SD-30 0 - 1.1 06/19/95
Semivolatile Organics						
2,4-Dimethylphenol	mg/kg	ND(0.22)	ND(0.27)	ND(0.24)	ND(0.24)	ND(0.28)
2-Methylnaphthalene	mg/kg	ND(0.22)	0.62	ND(0.24)	ND(0.24)	0.065 J
2-Methylphenol	mg/kg	ND(0.22)	ND(0.27)	ND(0.24)	ND(0.24)	ND(0.28)
4-Methylphenol	mg/kg	ND(0.22)	ND(0.27)	ND(0.24)	ND(0.24)	ND(0.28)
Acenaphthene	mg/kg	ND(0.22)	ND(0.27)	ND(0.24)	ND(0.24)	ND(0.28)
Anthracene	mg/kg	ND(0.22)	0.036 J	ND(0.24)	ND(0.24)	ND(0.28)
Benzo(a)anthracene	mg/kg	ND(0.22)	ND(0.27)	ND(0.24)	ND(0.24)	ND(0.28)
Benzo(a)pyrene	mg/kg	ND(0.22)	ND(0.27)	ND(0.24)	ND(0.24)	ND(0.28)
Benzo(b)fluoranthene	mg/kg	ND(0.22)	ND(0.27)	ND(0.24)	ND(0.24)	ND(0.28)
Benzo(g,h,i)perylene	mg/kg	ND(0.22)	ND(0.27)	ND(0.24)	ND(0.24)	ND(0.28)
Benzo(k)fluoranthene	mg/kg	ND(0.22)	ND(0.27)	ND(0.24)	ND(0.24)	ND(0.28)
bis(2-Ethylhexyl)phthalate	mg/kg	ND(0.22)	0.087 J	0.027 J	ND(0.24)	ND(0.28)
Butylbenzylphthalate	mg/kg	ND(0.22)	ND(0.27)	ND(0.24)	ND(0.24)	ND(0.28)
Carbazole	mg/kg	ND(0.22)	ND(0.27)	ND(0.24)	ND(0.24)	ND(0.28)
Chrysene	mg/kg	ND(0.22)	0.043 J	ND(0.24)	ND(0.24)	ND(0.28)
Dibenzo(a,h)anthracene	mg/kg	ND(0.22)	ND(0.27)	ND(0.24)	ND(0.24)	ND(0.28)
Dibenzofuran	mg/kg	ND(0.22)	0.12 J	ND(0.24)	ND(0.24)	ND(0.28)
Di-n-Butylphthalate	mg/kg	ND(0.22)	ND(0.27)	ND(0.24)	ND(0.24)	ND(0.28)
Di-n-Octylphthalate	mg/kg	ND(0.22)	ND(0.27)	ND(0.24)	ND(0.24)	ND(0.28)
Fluoranthene	mg/kg	ND(0.22)	0.059 J	ND(0.24)	ND(0.24)	ND(0.28)
Fluorene	mg/kg	ND(0.22)	ND(0.27)	ND(0.24)	ND(0.24)	ND(0.28)
Indeno(1,2,3-cd)pyrene	mg/kg	ND(0.22)	ND(0.27)	ND(0.24)	ND(0.24)	ND(0.28)
Isophorone	mg/kg	ND(0.22)	ND(0.27)	ND(0.24)	ND(0.24)	ND(0.28)
Naphthalene	mg/kg	ND(0.22)	0.43	ND(0.24)	ND(0.24)	ND(0.28)
Phenanthrene	mg/kg	ND(0.22)	0.27	ND(0.24)	ND(0.24)	ND(0.28)
Phenol	mg/kg	ND(0.22)	ND(0.27)	ND(0.24)	ND(0.24)	ND(0.28)
Pyrene	mg/kg	ND(0.22)	0.050 J	ND(0.24)	ND(0.24)	ND(0.28)
Total Methylphenols	mg/kg	ND(0.22)	ND(0.27)	ND(0.24)	ND(0.24)	ND(0.28)

See Generic Notes in Table 14.

Table 11. Semivolatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-30 1.1 - 2.2 06/19/95	Southern Drainage Channels SD-30 2.2 - 3.3 06/19/95	Southern Drainage Channels SD-31 0 - 1.1 06/19/95	Southern Drainage Channels SD-31 1.1 - 2.2 06/19/95	Southern Drainage Channels SD-31 2.2 - 3.3 06/19/95
Semivolatile Organics						
2,4-Dimethylphenol	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
2-Methylnaphthalene	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
2-Methylphenol	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
4-Methylphenol	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Acenaphthene	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Anthracene	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Benzo(a)anthracene	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Benzo(a)pyrene	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Benzo(b)fluoranthene	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Benzo(g,h,i)perylene	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Benzo(k)fluoranthene	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
bis(2-Ethylhexyl)phthalate	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	0.059 J	ND(0.20)
Butylbenzylphthalate	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Carbazole	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Chrysene	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Dibenzo(a,h)anthracene	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Dibenzofuran	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Di-n-Butylphthalate	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Di-n-Octylphthalate	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Fluoranthene	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Fluorene	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Indeno(1,2,3-cd)pyrene	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Isophorone	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Naphthalene	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Phenanthrene	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Phenol	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Pyrene	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)
Total Methylphenols	mg/kg	ND(0.21)	ND(0.22)	ND(0.29)	ND(0.22)	ND(0.20)

See Generic Notes in Table 14.

Table 11. Semivolatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-32 0 - 1.4 06/19/95	Southern Drainage Channels SD-32 1.4 - 2.8 06/19/95	Southern Drainage Channels SD-32 2.8 - 4.2 06/19/95	Southern Drainage Channels SD-33 0 - 1.3 06/19/95	Southern Drainage Channels SD-33 1.3 - 2.6 06/19/95
Semivolatile Organics						
2,4-Dimethylphenol	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	ND(0.35)	ND(0.27)
2-Methylnaphthalene	mg/kg	0.10 J [0.14 J]	ND(0.22)	ND(0.21)	0.35	0.14 J
2-Methylphenol	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	ND(0.35)	ND(0.27)
4-Methylphenol	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	ND(0.35)	ND(0.27)
Acenaphthene	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	ND(0.35)	ND(0.27)
Anthracene	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	ND(0.35)	ND(0.27)
Benzo(a)anthracene	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	0.036 J	0.032 J
Benzo(a)pyrene	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	ND(0.35)	0.031 J
Benzo(b)fluoranthene	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	0.057 J	0.047 J
Benzo(g,h,i)perylene	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	ND(0.35)	ND(0.27)
Benzo(k)fluoranthene	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	ND(0.35)	ND(0.27)
bis(2-Ethylhexyl)phthalate	mg/kg	0.17 J [ND(0.35)]	0.11 J	ND(0.21)	0.12 J	ND(0.27)
Butylbenzylphthalate	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	ND(0.35)	ND(0.27)
Carbazole	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	ND(0.35)	ND(0.27)
Chrysene	mg/kg	ND(0.34) [0.047 J]	ND(0.22)	ND(0.21)	0.049 J	0.042 J
Dibenzo(a,h)anthracene	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	ND(0.35)	ND(0.27)
Dibenzofuran	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	0.071 J	0.035 J
Di-n-Butylphthalate	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	ND(0.35)	ND(0.27)
Di-n-Octylphthalate	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	ND(0.35)	ND(0.27)
Fluoranthene	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	0.080 J	0.068 J
Fluorene	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	0.047 J	ND(0.27)
Indeno(1,2,3-cd)pyrene	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	ND(0.35)	ND(0.27)
Isophorone	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	ND(0.35)	ND(0.27)
Naphthalene	mg/kg	ND(0.34) [0.10 J]	ND(0.22)	ND(0.21)	0.24 J	0.11 J
Phenanthrene	mg/kg	0.065 J [0.096 J]	ND(0.22)	ND(0.21)	0.19 J	0.12 J
Phenol	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	ND(0.35)	ND(0.27)
Pyrene	mg/kg	ND(0.34) [0.050 J]	ND(0.22)	ND(0.21)	0.048 J	0.046 J
Total Methylphenols	mg/kg	ND(0.34) [ND(0.35)]	ND(0.22)	ND(0.21)	ND(0.35)	ND(0.27)

See Generic Notes in Table 14.

Table 11. Semivolatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-33 2.6 - 3.9 06/19/95	Southern Drainage Channels SD-34 0 - 1.3 06/21/95	Southern Drainage Channels SD-34 1.3 - 2.6 06/21/95	Southern Drainage Channels SD-34 2.6 - 3.9 06/21/95	Southern Drainage Channels SD-36 0 - 1.3 06/19/95
Semivolatile Organics						
2,4-Dimethylphenol	mg/kg	ND(0.19)	ND(0.24)	ND(0.25)	ND(0.23)	ND(0.24)
2-Methylnaphthalene	mg/kg	ND(0.19)	0.63	0.22 J	ND(0.23)	ND(0.24)
2-Methylphenol	mg/kg	ND(0.19)	ND(0.24)	ND(0.25)	ND(0.23)	ND(0.24)
4-Methylphenol	mg/kg	ND(0.19)	ND(0.24)	ND(0.25)	ND(0.23)	ND(0.24)
Acenaphthene	mg/kg	ND(0.19)	ND(0.24)	ND(0.25)	ND(0.23)	ND(0.24)
Anthracene	mg/kg	ND(0.19)	0.041 J	ND(0.25)	ND(0.23)	0.027 J
Benzo(a)anthracene	mg/kg	ND(0.19)	0.051 J	ND(0.25)	ND(0.23)	0.12 J
Benzo(a)pyrene	mg/kg	ND(0.19)	0.045 J	0.033 J	ND(0.23)	0.15 J
Benzo(b)fluoranthene	mg/kg	ND(0.19)	0.061 J	0.042 J	ND(0.23)	0.20 J
Benzo(g,h,i)perylene	mg/kg	ND(0.19)	ND(0.24)	ND(0.25)	ND(0.23)	0.056 J
Benzo(k)fluoranthene	mg/kg	ND(0.19)	ND(0.24)	ND(0.25)	ND(0.23)	0.096 J
bis(2-Ethylhexyl)phthalate	mg/kg	ND(0.19)	ND(0.24)	0.038 J	ND(0.23)	0.052 J
Butylbenzylphthalate	mg/kg	ND(0.19)	ND(0.24)	ND(0.25)	ND(0.23)	ND(0.24)
Carbazole	mg/kg	ND(0.19)	ND(0.24)	ND(0.25)	ND(0.23)	ND(0.24)
Chrysene	mg/kg	ND(0.19)	0.065 J	0.044 J	ND(0.23)	0.14 J
Dibenzo(a,h)anthracene	mg/kg	ND(0.19)	ND(0.24)	ND(0.25)	ND(0.23)	ND(0.24)
Dibenzofuran	mg/kg	ND(0.19)	0.13 J	0.048 J	ND(0.23)	ND(0.24)
Di-n-Butylphthalate	mg/kg	ND(0.19)	0.052 J	ND(0.25)	0.025 J	ND(0.24)
Di-n-Octylphthalate	mg/kg	ND(0.19)	ND(0.24)	ND(0.25)	ND(0.23)	ND(0.24)
Fluoranthene	mg/kg	ND(0.19)	0.093 J	0.081 J	ND(0.23)	0.28
Fluorene	mg/kg	ND(0.19)	ND(0.24)	ND(0.25)	ND(0.23)	ND(0.24)
Indeno(1,2,3-cd)pyrene	mg/kg	ND(0.19)	ND(0.24)	ND(0.25)	ND(0.23)	0.057 J
Isophorone	mg/kg	ND(0.19)	ND(0.24)	ND(0.25)	ND(0.23)	ND(0.24)
Naphthalene	mg/kg	ND(0.19)	0.52	0.17 J	ND(0.23)	ND(0.24)
Phenanthrene	mg/kg	ND(0.19)	0.32	0.15 J	ND(0.23)	0.094 J
Phenol	mg/kg	ND(0.19)	ND(0.24)	ND(0.25)	ND(0.23)	ND(0.24)
Pyrene	mg/kg	ND(0.19)	0.082 J	0.071 J	ND(0.23)	0.15 J
Total Methylphenols	mg/kg	ND(0.19)	ND(0.24)	ND(0.25)	ND(0.23)	ND(0.24)

See Generic Notes in Table 14.

Table 11. Semivolatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-36 1.3 - 2.6 06/19/95	Southern Drainage Channels SD-36 2.6 - 3.9 06/19/95	Southern Drainage Channels SD-37 0 - 1.3 06/19/95	Southern Drainage Channels SD-37 1.3 - 2.6 06/19/95	Southern Drainage Channels SD-37 2.6 - 3.9 06/19/95
Semivolatile Organics						
2,4-Dimethylphenol	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
2-Methylnaphthalene	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
2-Methylphenol	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
4-Methylphenol	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Acenaphthene	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Anthracene	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Benzo(a)anthracene	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Benzo(a)pyrene	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Benzo(b)fluoranthene	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Benzo(g,h,i)perylene	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Benzo(k)fluoranthene	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
bis(2-Ethylhexyl)phthalate	mg/kg	ND(0.23)	0.14 J	0.099 J	0.064 J [ND(0.25)]	ND(0.22)
Butylbenzylphthalate	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Carbazole	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Chrysene	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Dibenzo(a,h)anthracene	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Dibenzofuran	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Di-n-Butylphthalate	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Di-n-Octylphthalate	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Fluoranthene	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Fluorene	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Indeno(1,2,3-cd)pyrene	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Isophorone	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Naphthalene	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Phenanthrene	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Phenol	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)
Pyrene	mg/kg	ND(0.23)	ND(0.25)	0.030 J	ND(0.24) [ND(0.25)]	ND(0.22)
Total Methylphenols	mg/kg	ND(0.23)	ND(0.25)	ND(0.23)	ND(0.24) [ND(0.25)]	ND(0.22)

See Generic Notes in Table 14.

Table 11. Semivolatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-38 0 - 1.2 06/19/95	Southern Drainage Channels SD-38 1.2 - 2.4 06/19/95	Southern Drainage Channels SD-59 0 - 0.5 08/10/00	Southern Drainage Channels SD-60 0 - 0.5 08/10/00	Southern Drainage Channels SD-61 0 - 0.5 08/10/00
Semivolatile Organics						
2,4-Dimethylphenol	mg/kg	ND(0.33)	ND(0.22)	ND(0.55)	ND(0.55)	ND(0.53)
2-Methylnaphthalene	mg/kg	ND(0.33)	ND(0.22)	ND(0.55)	0.32 J	ND(0.53)
2-Methylphenol	mg/kg	ND(0.33)	ND(0.22)	ND(0.55)	ND(0.55)	ND(0.53)
4-Methylphenol	mg/kg	ND(0.33)	ND(0.22)	ND(0.55)	ND(0.55)	ND(0.53)
Acenaphthene	mg/kg	ND(0.33)	ND(0.22)	ND(0.55)	ND(0.55)	ND(0.53)
Anthracene	mg/kg	0.039 J	ND(0.22)	ND(0.55)	ND(0.55)	ND(0.53)
Benzo(a)anthracene	mg/kg	0.17 J	0.038 J	ND(0.55)	ND(0.55)	ND(0.53)
Benzo(a)pyrene	mg/kg	0.26 J	0.057 J	ND(0.55)	ND(0.55)	ND(0.53)
Benzo(b)fluoranthene	mg/kg	0.32 J	0.068 J	ND(0.55)	ND(0.55)	ND(0.53)
Benzo(g,h,i)perylene	mg/kg	0.11 J	ND(0.22)	ND(0.55)	ND(0.55)	ND(0.53)
Benzo(k)fluoranthene	mg/kg	0.16 J	0.032 J	ND(0.55)	ND(0.55)	ND(0.53)
bis(2-Ethylhexyl)phthalate	mg/kg	0.14 J	ND(0.22)	ND(0.55)	ND(0.55)	ND(0.53)
Butylbenzylphthalate	mg/kg	ND(0.33)	ND(0.22)	ND(0.55)	ND(0.55)	ND(0.53)
Carbazole	mg/kg	ND(0.33)	ND(0.22)	ND(0.55)	ND(0.55)	ND(0.53)
Chrysene	mg/kg	0.19 J	0.045 J	ND(0.55)	ND(0.55)	ND(0.53)
Dibenzo(a,h)anthracene	mg/kg	ND(0.33)	ND(0.22)	ND(0.55)	ND(0.55)	ND(0.53)
Dibenzofuran	mg/kg	ND(0.33)	ND(0.22)	ND(0.55)	ND(0.55)	ND(0.53)
Di-n-Butylphthalate	mg/kg	ND(0.33)	ND(0.22)	ND(0.55)	0.79	ND(0.53)
Di-n-Octylphthalate	mg/kg	ND(0.33)	ND(0.22)	ND(0.55)	ND(0.55)	ND(0.53)
Fluoranthene	mg/kg	0.32 J	0.083 J	ND(0.55)	ND(0.55)	ND(0.53)
Fluorene	mg/kg	ND(0.33)	ND(0.22)	ND(0.55)	ND(0.55)	ND(0.53)
Indeno(1,2,3-cd)pyrene	mg/kg	0.10 J	0.023 J	ND(0.55)	ND(0.55)	ND(0.53)
Isophorone	mg/kg	ND(0.33)	ND(0.22)	ND(0.55)	ND(0.55)	ND(0.53)
Naphthalene	mg/kg	ND(0.33)	ND(0.22)	ND(0.55)	0.23 J	ND(0.53)
Phenanthrene	mg/kg	0.15 J	0.042 J	ND(0.55)	0.18 J	ND(0.53)
Phenol	mg/kg	ND(0.33)	ND(0.22)	ND(0.55)	0.22 J	ND(0.53)
Pyrene	mg/kg	0.19 J	0.047 J	ND(0.55)	ND(0.55)	ND(0.53)
Total Methylphenols	mg/kg	ND(0.33)	ND(0.22)	ND(0.55)	ND(0.55)	ND(0.53)

See Generic Notes in Table 14.

Table 11. Semivolatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Submarine Pond SD-43 0 - 0.8 06/15/95	Submarine Pond SD-43 0.8 - 1.6 06/15/95	Submarine Pond SD-44 0 - 0.9 06/15/95	Submarine Pond SD-44 0.9 - 1.8 06/15/95	Submarine Pond SD-45 0 - 0.7 06/15/95	Submarine Pond SD-45 0.7 - 1.4 06/15/95	Submarine Pond SD-46 0 - 1.5 06/15/95	Submarine Pond SD-46 1.5 - 3 06/15/95
Semivolatile Organics									
2,4-Dimethylphenol	mg/kg	0.12 J	ND(0.20)	0.10 J	ND(0.26)	ND(0.23)	ND(0.22)	0.24 J	ND(0.25)
2-Methylnaphthalene	mg/kg	1.0	0.53	3.3	0.63	ND(0.23)	ND(0.22)	1.7	ND(0.25)
2-Methylphenol	mg/kg	0.10 J	ND(0.20)	0.15 J	ND(0.26)	ND(0.23)	ND(0.22)	0.20 J	ND(0.25)
4-Methylphenol	mg/kg	0.12 J	0.038 J	0.14 J	ND(0.26)	ND(0.23)	ND(0.22)	0.22 J	ND(0.25)
Acenaphthene	mg/kg	0.041 J	0.032 J	0.087 J	ND(0.26)	ND(0.23)	ND(0.22)	0.068 J	ND(0.25)
Anthracene	mg/kg	0.072 J	0.037 J	0.11 J	0.058 J	ND(0.23)	ND(0.22)	0.12 J	ND(0.25)
Benzo(a)anthracene	mg/kg	0.12 J	0.090 J	0.14 J	0.12 J	ND(0.23)	ND(0.22)	0.10 J	ND(0.25)
Benzo(a)pyrene	mg/kg	0.12 J	0.13 J	0.088 J	0.11 J	ND(0.23)	ND(0.22)	0.061 J	ND(0.25)
Benzo(b)fluoranthene	mg/kg	0.21 J	0.14 J	0.12 J	0.14 J	ND(0.23)	ND(0.22)	0.095 J	ND(0.25)
Benzo(g,h,i)perylene	mg/kg	0.042 J	0.060 J	ND(0.66)	0.059 J	ND(0.23)	ND(0.22)	0.036 J	ND(0.25)
Benzo(k)fluoranthene	mg/kg	ND(0.23)	ND(0.20)	ND(0.66)	0.055 J	ND(0.23)	ND(0.22)	ND(0.32)	ND(0.25)
bis(2-Ethylhexyl)phthalate	mg/kg	0.23 J	ND(0.20)	ND(0.66)	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.32)	ND(0.25)
Butylbenzylphthalate	mg/kg	ND(0.23)	ND(0.20)	0.34 J	0.19 J	ND(0.23)	ND(0.22)	ND(0.32)	ND(0.25)
Carbazole	mg/kg	ND(0.23)	ND(0.20)	ND(0.66)	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.32)	ND(0.25)
Chrysene	mg/kg	0.15 J	0.11 J	0.24 J	0.14 J	ND(0.23)	ND(0.22)	0.14 J	ND(0.25)
Dibenzo(a,h)anthracene	mg/kg	ND(0.23)	ND(0.20)	ND(0.66)	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.32)	ND(0.25)
Dibenzofuran	mg/kg	0.20 J	0.056 J	0.33 J	0.082 J	ND(0.23)	ND(0.22)	0.26 J	ND(0.25)
Di-n-Butylphthalate	mg/kg	0.082 J	0.11 J	6.9	4.1	1.8	1.0	0.46	0.50
Di-n-Octylphthalate	mg/kg	0.23	0.12 J	ND(0.66)	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.32)	ND(0.25)
Fluoranthene	mg/kg	0.23	0.18 J	0.35 J	0.22 J	ND(0.23)	ND(0.22)	0.33	ND(0.25)
Fluorene	mg/kg	0.079 J	0.068 J	0.15 J	0.064 J	ND(0.23)	ND(0.22)	0.16 J	ND(0.25)
Indeno(1,2,3-cd)pyrene	mg/kg	0.026 J	0.049 J	ND(0.66)	0.046 J	ND(0.23)	ND(0.22)	ND(0.32)	ND(0.25)
Isophorone	mg/kg	0.12 J	0.66	ND(0.66)	0.15 J	ND(0.23)	ND(0.22)	ND(0.32)	ND(0.25)
Naphthalene	mg/kg	0.87	0.56	2.3	0.38	ND(0.23)	ND(0.22)	1.4	ND(0.25)
Phenanthrene	mg/kg	0.51	0.24	0.84	0.32	ND(0.23)	ND(0.22)	0.88	ND(0.25)
Phenol	mg/kg	0.19 J	0.12 J	0.91	0.12 J	ND(0.23)	ND(0.22)	0.21 J	ND(0.25)
Pyrene	mg/kg	0.18 J	0.15 J	0.22 J	0.15 J	ND(0.23)	ND(0.22)	0.16 J	ND(0.25)
Total Methylphenols	mg/kg	0.10 J	ND(0.20)	0.15 J	ND(0.26)	ND(0.23)	ND(0.22)	0.20 J	ND(0.25)

See Generic Notes in Table 14.

Table 11. Semivolatile Organic Compounds Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Sample Depth (ft BGS): / Date Collected:	Units	Submarine Pond SD-46 3 - 4.5 06/15/95	Submarine Pond SD-47 0 - 1.5 06/15/95	Submarine Pond SD-47 1.5 - 3 06/15/95	Submarine Pond SD-48 0 - 1.3 06/15/95	Submarine Pond SD-48 1.3 - 2.6 06/15/95
Semivolatile Organics						
2,4-Dimethylphenol	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
2-Methylnaphthalene	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	0.085 J	ND(0.22)
2-Methylphenol	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
4-Methylphenol	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
Acenaphthene	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
Anthracene	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
Benzo(a)anthracene	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	0.034 J	ND(0.22)
Benzo(a)pyrene	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	0.032 J	ND(0.22)
Benzo(b)fluoranthene	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	0.043 J	ND(0.22)
Benzo(g,h,i)perylene	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
Benzo(k)fluoranthene	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
bis(2-Ethylhexyl)phthalate	mg/kg	ND(0.51)	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
Butylbenzylphthalate	mg/kg	0.39	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
Carbazole	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
Chrysene	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	0.046 J	ND(0.22)
Dibenzo(a,h)anthracene	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
Dibenzofuran	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
Di-n-Butylphthalate	mg/kg	3.5	3.7 D	ND(0.22)	3.2	3.5
Di-n-Octylphthalate	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
Fluoranthene	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	0.086 J	ND(0.22)
Fluorene	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
Indeno(1,2,3-cd)pyrene	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
Isophorone	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
Naphthalene	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
Phenanthrene	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	0.081 J	ND(0.22)
Phenol	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
Pyrene	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	0.055 J	ND(0.22)
Total Methylphenols	mg/kg	ND(0.22)	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)

See Generic Notes in Table 14.

Table 12. PCBs, Pesticides, Herbicides, Dioxins/Furans Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Generic MDEQ Criteria Values						Drum Remediation/Wetland Area SD-39 0 - 1 06/22/95	Drum Remediation/Wetland Area SD-39 1 - 2 06/22/95
		GCCP	IDC	IDWP	IPSIC	ISVIA	IVSICI		
PCBs									
Aroclor-1248	mg/kg	--	--	--	--	--	--	ND(0.20) [ND(0.20)]	ND(0.18)
Aroclor-1254	mg/kg	--	--	--	--	--	--	ND(0.20) [ND(0.20)]	ND(0.18)
Aroclor-1260	mg/kg	--	--	--	--	--	--	ND(0.20) [ND(0.20)]	ND(0.18)
Total PCBs	mg/kg	{NLL}	16 {J,T}	{NLL}	6,500 {J,T}	16,000 {J,T}	810 {J,T}	ND(0.20) [ND(0.20)]	ND(0.18)
Organochlorine Pesticides									
None Detected	--	--	--	--	--	--	--	NA	NA
Herbicides									
None Detected	--	--	--	--	--	--	--	NA	NA
Dioxins/Furans									
2,3,7,8-TCDD (TEQ)	pg/g	--	--	--	--	--	--	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	pg/g	--	--	--	--	--	--	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	--	--	--	--	--	--	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	pg/g	--	--	--	--	--	--	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	pg/g	--	--	--	--	--	--	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	--	--	--	--	--	--	NA	NA

See Generic Notes in Table 14.

Table 12. PCBs, Pesticides, Herbicides, Dioxins/Furans Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Drum Remediation/Wetland Area SD-40 0 - 1.1 06/22/95	Drum Remediation/Wetland Area SD-40 1.1 - 2.2 06/22/95	Drum Remediation/Wetland Area SD-62 0 - 0.5 08/10/00	Drum Remediation/Wetland Area SD-64 0 - 0.5 08/10/00
PCBs					
Aroclor-1248	mg/kg	ND(0.29)	ND(0.23)	ND(0.042) [ND(0.23)]	ND(0.069)
Aroclor-1254	mg/kg	ND(0.29)	ND(0.23)	0.23 [0.55]	ND(0.069)
Aroclor-1260	mg/kg	ND(0.29)	ND(0.23)	ND(0.042) [ND(0.23)]	ND(0.069)
Total PCBs	mg/kg	ND(0.29)	ND(0.23)	0.23 [0.55]	ND(0.069)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
2,3,7,8-TCDD (TEQ)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 12. PCBs, Pesticides, Herbicides, Dioxins/Furans Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Drum Remediation/Wetland Area SD-65 0 - 0.5 08/10/00	Eastern Property Extension SD-24 0 - 1.5 06/19/95	Eastern Property Extension SD-24 1.5 - 3 06/19/95	Eastern Property Extension SD-25 0 - 1.1 06/19/95
PCBs					
Aroclor-1248	mg/kg	ND(0.054)	ND(0.26)	ND(0.26)	ND(0.23)
Aroclor-1254	mg/kg	ND(0.054)	ND(0.26)	ND(0.26)	ND(0.23)
Aroclor-1260	mg/kg	ND(0.054)	ND(0.26)	ND(0.26)	ND(0.23)
Total PCBs	mg/kg	ND(0.054)	ND(0.26)	ND(0.26)	ND(0.23)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
2,3,7,8-TCDD (TEQ)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 12. PCBs, Pesticides, Herbicides, Dioxins/Furans Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Eastern Property Extension SD-25 1.1 - 2.2 06/19/95	Eastern Property Extension SD-25 2.2 - 3.3 06/19/95	Green Point Landfill SD-35 0 - 1.5 06/21/95	Green Point Landfill SD-35 1.5 - 3 06/21/95	Green Point Landfill SD-35 3 - 4.5 06/21/95
PCBs						
Aroclor-1248	mg/kg	ND(0.22)	ND(0.23)	ND(0.33)	ND(0.23)	ND(0.24)
Aroclor-1254	mg/kg	ND(0.22)	ND(0.23)	ND(0.33)	0.29	ND(0.24)
Aroclor-1260	mg/kg	ND(0.22)	ND(0.23)	ND(0.33)	ND(0.23)	ND(0.24)
Total PCBs	mg/kg	ND(0.22)	ND(0.23)	ND(0.33)	0.29	ND(0.24)
Organochlorine Pesticides						
None Detected	--	NA	NA	NA	NA	NA
Herbicides						
None Detected	--	NA	NA	NA	NA	NA
Dioxins/Furans						
2,3,7,8-TCDD (TEQ)	pg/g	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	pg/g	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	pg/g	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	pg/g	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	NA	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 12. PCBs, Pesticides, Herbicides, Dioxins/Furans Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Green Point Landfill SD-41 0 - 1 06/22/95	Green Point Landfill SD-41 1 - 2 06/22/95	Green Point Landfill SD-42 0 - 1 06/22/95	Green Point Landfill SD-42 1 - 2 06/22/95	Southern Drainage Channels SD-22 0 - 1.2 06/19/95
PCBs						
Aroclor-1248	mg/kg	ND(0.23)	0.86	ND(0.17)	ND(0.21)	ND(0.20)
Aroclor-1254	mg/kg	ND(0.23)	0.31 J	ND(0.17)	ND(0.21)	ND(0.20)
Aroclor-1260	mg/kg	ND(0.23)	ND(0.40)	ND(0.17)	ND(0.21)	ND(0.20)
Total PCBs	mg/kg	ND(0.23)	1.2 J	ND(0.17)	ND(0.21)	ND(0.20)
Organochlorine Pesticides						
None Detected	- -	NA	NA	NA	NA	NA
Herbicides						
None Detected	- -	NA	NA	NA	NA	NA
Dioxins/Furans						
2,3,7,8-TCDD (TEQ)	pg/g	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	pg/g	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	pg/g	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	pg/g	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	NA	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 12. PCBs, Pesticides, Herbicides, Dioxins/Furans Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-22 1.2 - 2.4 06/19/95	Southern Drainage Channels SD-22 2.4 - 3.6 06/19/95	Southern Drainage Channels SD-23 0 - 1.2 06/19/95	Southern Drainage Channels SD-23 1.2 - 2.4 06/19/95
PCBs					
Aroclor-1248	mg/kg	ND(0.22)	ND(0.22)	ND(0.20)	ND(0.24)
Aroclor-1254	mg/kg	ND(0.22)	ND(0.22)	ND(0.20)	ND(0.24)
Aroclor-1260	mg/kg	ND(0.22)	ND(0.22)	ND(0.20)	ND(0.24)
Total PCBs	mg/kg	ND(0.22)	ND(0.22)	ND(0.20)	ND(0.24)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
2,3,7,8-TCDD (TEQ)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 12. PCBs, Pesticides, Herbicides, Dioxins/Furans Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-23 2.4 - 3.6 06/19/95	Southern Drainage Channels SD-26 0 - 1.2 06/19/95	Southern Drainage Channels SD-26 1.2 - 2.4 06/19/95	Southern Drainage Channels SD-26 2.4 - 3.6 06/19/95
PCBs					
Aroclor-1248	mg/kg	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Aroclor-1254	mg/kg	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Aroclor-1260	mg/kg	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Total PCBs	mg/kg	ND(0.23)	ND(0.26)	ND(0.24)	ND(0.22)
Organochlorine Pesticides					
None Detected	--	NA	--	--	--
Herbicides					
None Detected	--	NA	--	--	--
Dioxins/Furans					
2,3,7,8-TCDD (TEQ)	pg/g	NA	90	20	NA
Total Hexachlorodibenzofuran (HxCDF)	pg/g	NA	140	24	ND(0.2)
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	NA	10	ND(2.5)	ND(0.55)
Total Pentachlorodibenzofuran (PeCDF)	pg/g	NA	450	89	ND(0.48)
Total Tetrachlorodibenzofuran (TCDF)	pg/g	NA	710	160	ND(0.47)
Total Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	NA	18	3.7	ND(0.74)

See Generic Notes in Table 14.

Table 12. PCBs, Pesticides, Herbicides, Dioxins/Furans Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-27 0 - 1.3 06/19/95	Southern Drainage Channels SD-27 1.3 - 2.6 06/19/95	Southern Drainage Channels SD-27 2.6 - 3.9 06/19/95	Southern Drainage Channels SD-28 0 - 1.2 06/19/95
PCBs					
Aroclor-1248	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)
Aroclor-1254	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)
Aroclor-1260	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)
Total PCBs	mg/kg	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.30)
Organochlorine Pesticides					
None Detected	--	--	--	--	NA
Herbicides					
None Detected	--	--	--	--	NA
Dioxins/Furans					
2,3,7,8-TCDD (TEQ)	pg/g	98	0.032	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	pg/g	180	ND(3.8)	ND(0.095)	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	9.8	ND(0.76)	ND(0.41)	NA
Total Pentachlorodibenzofuran (PeCDF)	pg/g	500	ND(5.2)	ND(0.25)	NA
Total Tetrachlorodibenzofuran (TCDF)	pg/g	690	18	ND(0.29)	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	17	ND(0.74)	ND(0.52)	NA

See Generic Notes in Table 14.

Table 12. PCBs, Pesticides, Herbicides, Dioxins/Furans Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-28 1.2 - 2.4 06/19/95	Southern Drainage Channels SD-28 2.4 - 3.6 06/19/95	Southern Drainage Channels SD-29 0 - 1.2 06/19/95	Southern Drainage Channels SD-29 1.2 - 2.4 06/19/95
PCBs					
Aroclor-1248	mg/kg	ND(0.24)	ND(0.22)	ND(0.27)	ND(0.24)
Aroclor-1254	mg/kg	ND(0.24)	ND(0.22)	ND(0.27)	ND(0.24)
Aroclor-1260	mg/kg	ND(0.24)	ND(0.22)	ND(0.27)	ND(0.24)
Total PCBs	mg/kg	ND(0.24)	ND(0.22)	ND(0.27)	ND(0.24)
Organochlorine Pesticides					
None Detected	- -	NA	NA	NA	NA
Herbicides					
None Detected	- -	NA	NA	NA	NA
Dioxins/Furans					
2,3,7,8-TCDD (TEQ)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 12. PCBs, Pesticides, Herbicides, Dioxins/Furans Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-29 2.4 - 3.6 06/19/95	Southern Drainage Channels SD-30 0 - 1.1 06/19/95	Southern Drainage Channels SD-30 1.1 - 2.2 06/19/95	Southern Drainage Channels SD-30 2.2 - 3.3 06/19/95
PCBs					
Aroclor-1248	mg/kg	ND(0.24)	ND(0.28)	ND(0.21)	ND(0.22)
Aroclor-1254	mg/kg	ND(0.24)	ND(0.28)	ND(0.21)	ND(0.22)
Aroclor-1260	mg/kg	ND(0.24)	ND(0.28)	ND(0.21)	ND(0.22)
Total PCBs	mg/kg	ND(0.24)	ND(0.28)	ND(0.21)	ND(0.22)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
2,3,7,8-TCDD (TEQ)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 12. PCBs, Pesticides, Herbicides, Dioxins/Furans Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-31 0 - 1.1 06/19/95	Southern Drainage Channels SD-31 1.1 - 2.2 06/19/95	Southern Drainage Channels SD-31 2.2 - 3.3 06/19/95	Southern Drainage Channels SD-32 0 - 1.4 06/19/95
PCBs					
Aroclor-1248	mg/kg	ND(0.29)	ND(0.22)	ND(0.20)	ND(0.34) [ND(0.35)]
Aroclor-1254	mg/kg	ND(0.29)	ND(0.22)	ND(0.20)	ND(0.34) [ND(0.35)]
Aroclor-1260	mg/kg	ND(0.29)	ND(0.22)	ND(0.20)	ND(0.34) [ND(0.35)]
Total PCBs	mg/kg	ND(0.29)	ND(0.22)	ND(0.20)	ND(0.34) [ND(0.35)]
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
2,3,7,8-TCDD (TEQ)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 12. PCBs, Pesticides, Herbicides, Dioxins/Furans Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-32 1.4 - 2.8 06/19/95	Southern Drainage Channels SD-32 2.8 - 4.2 06/19/95	Southern Drainage Channels SD-33 0 - 1.3 06/19/95	Southern Drainage Channels SD-33 1.3 - 2.6 06/19/95
PCBs					
Aroclor-1248	mg/kg	ND(0.22)	ND(0.21)	ND(0.35)	ND(0.27)
Aroclor-1254	mg/kg	ND(0.22)	ND(0.21)	ND(0.35)	ND(0.27)
Aroclor-1260	mg/kg	ND(0.22)	ND(0.21)	ND(0.35)	ND(0.27)
Total PCBs	mg/kg	ND(0.22)	ND(0.21)	ND(0.35)	ND(0.27)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
2,3,7,8-TCDD (TEQ)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 12. PCBs, Pesticides, Herbicides, Dioxins/Furans Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-33 2.6 - 3.9 06/19/95	Southern Drainage Channels SD-34 0 - 1.3 06/21/95	Southern Drainage Channels SD-34 1.3 - 2.6 06/21/95	Southern Drainage Channels SD-34 2.6 - 3.9 06/21/95
PCBs					
Aroclor-1248	mg/kg	ND(0.19)	ND(0.24)	ND(0.25)	ND(0.23)
Aroclor-1254	mg/kg	ND(0.19)	ND(0.24)	ND(0.25)	ND(0.23)
Aroclor-1260	mg/kg	ND(0.19)	ND(0.24)	ND(0.25)	ND(0.23)
Total PCBs	mg/kg	ND(0.19)	ND(0.24)	ND(0.25)	ND(0.23)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
2,3,7,8-TCDD (TEQ)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 12. PCBs, Pesticides, Herbicides, Dioxins/Furans Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-36 0 - 1.3 06/19/95	Southern Drainage Channels SD-36 1.3 - 2.6 06/19/95	Southern Drainage Channels SD-36 2.6 - 3.9 06/19/95	Southern Drainage Channels SD-37 0 - 1.3 06/19/95
PCBs					
Aroclor-1248	mg/kg	ND(0.24 J)	ND(0.23 J)	ND(0.25)	ND(0.23 J)
Aroclor-1254	mg/kg	ND(0.24 J)	ND(0.23 J)	ND(0.25)	ND(0.23 J)
Aroclor-1260	mg/kg	ND(0.24 J)	ND(0.23 J)	ND(0.25)	ND(0.23 J)
Total PCBs	mg/kg	ND(0.24)	ND(0.23)	ND(0.25)	ND(0.23)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
2,3,7,8-TCDD (TEQ)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 12. PCBs, Pesticides, Herbicides, Dioxins/Furans Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-37 1.3 - 2.6 06/19/95	Southern Drainage Channels SD-37 2.6 - 3.9 06/19/95	Southern Drainage Channels SD-38 0 - 1.2 06/19/95	Southern Drainage Channels SD-38 1.2 - 2.4 06/19/95
PCBs					
Aroclor-1248	mg/kg	ND(0.24 J) [ND(0.25)]	ND(0.22 J)	ND(0.33 J)	ND(0.22 J)
Aroclor-1254	mg/kg	ND(0.24 J) [ND(0.25)]	ND(0.22 J)	ND(0.33 J)	ND(0.22 J)
Aroclor-1260	mg/kg	ND(0.24 J) [ND(0.25)]	ND(0.22 J)	ND(0.33 J)	ND(0.22 J)
Total PCBs	mg/kg	ND(0.24) [ND(0.25)]	ND(0.22)	ND(0.33)	ND(0.22)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
2,3,7,8-TCDD (TEQ)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 12. PCBs, Pesticides, Herbicides, Dioxins/Furans Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-59 0 - 0.5 08/10/00	Southern Drainage Channels SD-60 0 - 0.5 08/10/00	Southern Drainage Channels SD-61 0 - 0.5 08/10/00	Submarine Pond SD-43 0 - 0.8 06/15/95	Submarine Pond SD-43 0.8 - 1.6 06/15/95
PCBs						
Aroclor-1248	mg/kg	ND(0.055)	ND(0.055)	ND(0.053)	ND(0.23)	ND(0.20)
Aroclor-1254	mg/kg	ND(0.055)	0.036 J	ND(0.053)	0.065 J	ND(0.20)
Aroclor-1260	mg/kg	ND(0.055)	ND(0.055)	0.017 J	ND(0.23)	ND(0.20)
Total PCBs	mg/kg	ND(0.055)	0.036 J	0.017 J	0.065 J	ND(0.20)
Organochlorine Pesticides						
None Detected	--	NA	NA	NA	NA	NA
Herbicides						
None Detected	--	NA	NA	NA	NA	NA
Dioxins/Furans						
2,3,7,8-TCDD (TEQ)	pg/g	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	pg/g	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	pg/g	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	pg/g	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	NA	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 12. PCBs, Pesticides, Herbicides, Dioxins/Furans Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Sample Depth (ft BGS): / Date Collected:	Units	Submarine Pond SD-44 0 - 0.9 06/15/95	Submarine Pond SD-44 0.9 - 1.8 06/15/95	Submarine Pond SD-45 0 - 0.7 06/15/95	Submarine Pond SD-45 0.7 - 1.4 06/15/95	Submarine Pond SD-46 0 - 1.5 06/15/95	Submarine Pond SD-46 1.5 - 3 06/15/95	Submarine Pond SD-46 3 - 4.5 06/15/95
PCBs								
Aroclor-1248	mg/kg	ND(0.33 J)	ND(0.26 J)	ND(0.23)	ND(0.22)	ND(0.32)	ND(0.25)	ND(0.22)
Aroclor-1254	mg/kg	0.66 J	0.39 J	ND(0.23)	ND(0.22)	ND(0.32)	ND(0.25)	ND(0.22)
Aroclor-1260	mg/kg	ND(0.33 J)	ND(0.26 J)	ND(0.23)	ND(0.22)	ND(0.32)	ND(0.25)	ND(0.22)
Total PCBs	mg/kg	0.66 J	0.39 J	ND(0.23)	ND(0.22)	ND(0.32)	ND(0.25)	ND(0.22)
Organochlorine Pesticides								
None Detected	--	NA	NA	NA	NA	NA	NA	NA
Herbicides								
None Detected	--	NA	NA	NA	NA	NA	NA	NA
Dioxins/Furans								
2,3,7,8-TCDD (TEQ)	pg/g	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	pg/g	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	pg/g	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	pg/g	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	NA	NA	NA	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 12. PCBs, Pesticides, Herbicides, Dioxins/Furans Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Submarine Pond SD-47 0 - 1.5 06/15/95	Submarine Pond SD-47 1.5 - 3 06/15/95	Submarine Pond SD-48 0 - 1.3 06/15/95	Submarine Pond SD-48 1.3 - 2.6 06/15/95
PCBs					
Aroclor-1248	mg/kg	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
Aroclor-1254	mg/kg	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
Aroclor-1260	mg/kg	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
Total PCBs	mg/kg	ND(0.21)	ND(0.22)	ND(0.21)	ND(0.22)
Organochlorine Pesticides					
None Detected	--	NA	NA	NA	NA
Herbicides					
None Detected	--	NA	NA	NA	NA
Dioxins/Furans					
2,3,7,8-TCDD (TEQ)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	pg/g	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	pg/g	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	NA	NA	NA	NA

See Generic Notes in Table 14.

Table 13. Inorganic Constituents Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Sample Depth (ft BGS): / Date Collected:	Units	Generic MDEQ Criteria Values						Drum Remediation/Wetland Area SD-39 0 - 1 06/22/95	Drum Remediation/Wetland Area SD-39 1 - 2 06/22/95
		GCCP	IDC	IDWP	IPSIC	ISVIA	IVSICI		
Inorganics									
Aluminum	mg/kg	1,000,000 {B,D}	370,000 {B,DD}	6,900 {SDBL}	{ID}	{NLV}	{NLV}	1,160 [1,040]	9,600 (IDWP)
Antimony	mg/kg	49,000	670	4.3	5,900	{NLV}	{NLV}	ND(0.305 J) [ND(0.310 J)]	ND(2.68 J*)
Arsenic	mg/kg	2,000	37	23	910	{NLV}	{NLV}	1.25 [1.32]	1.64
Barium	mg/kg	1,000,000 {B,D}	130,000 {B}	1,300 {B}	150,000 {B}	{NLV}	{NLV}	11.0 [7.93 J]	105 J
Beryllium	mg/kg	1,000,000 {D}	1,600	51	590	{NLV}	{NLV}	ND(0.611) [ND(0.619)]	0.642
Cadmium	mg/kg	230,000 {B}	2,100 {B}	6 {B}	2,200 {B}	{NLV}	{NLV}	ND(0.0305) [ND(0.0310)]	ND(0.0268)
Calcium	mg/kg	--	--	--	--	--	--	9,510 J [9,330 J]	42,700 J
Chromium Total	mg/kg	140,000	9,200	30	240	{NLV}	{NLV}	2.87 [2.29 J]	101 J (IDWP)
Cobalt	mg/kg	48,000	9,000	6.8 {SDBL}	5,900	{NLV}	{NLV}	ND(6.11) [ND(6.19)]	ND(5.35)
Copper	mg/kg	1,000,000 {B,D}	73,000 {B}	5,800 {B}	59,000 {B}	{NLV}	{NLV}	2.69 [1.49 J]	19.3 J
Cyanide (total)	mg/kg	250 {P,R}	250 {P,R}	4 {P,R}	250 {P,R}	{NLV}	{NLV}	ND(0.310) [ND(0.310)]	ND(0.270)
Iron	mg/kg	1,000,000 {B,D}	580,000 {B}	12,000 {SDBL}	{ID}	{NLV}	{NLV}	2,360 [2,120 J]	23,300 J (IDWP)
Lead	mg/kg	{ID}	900 {B,DD}	700 {B}	44,000 {B}	{NLV}	{NLV}	2.15 [1.06 J]	14.4 J
Magnesium	mg/kg	1,000,000 {B,D}	1,000,000 {B,D}	22,000 {B}	2,900,000 {B}	{NLV}	{NLV}	1,690 [1,560]	2,960
Manganese	mg/kg	180,000 {B}	90,000 {B}	440 {SDBL}	1,500 {B}	{NLV}	{NLV}	39.4 [24.2 J]	8,710 J (IDWP,IPSIC)
Mercury	mg/kg	47 {B,Z}	580 {B,Z}	1.7 {B,Z}	8,800 {B,Z}	89 {B,Z}	62 {B,Z}	ND(0.0611) [ND(0.0619)]	ND(0.0535)
Nickel	mg/kg	1,000,000 {B,D}	150,000 {B}	100 {B}	16,000 {B}	{NLV}	{NLV}	2.99 [2.54 J]	44.4 J
Potassium	mg/kg	--	--	--	--	--	--	ND(611) [ND(619)]	917
Selenium	mg/kg	78,000 {B}	9,600 {B}	4 {B}	59,000 {B}	{NLV}	{NLV}	ND(0.305 J) [ND(0.310)]	ND(2.68 *)
Silver	mg/kg	200,000 {B}	9,000 {B}	13 {B}	2,900 {B}	{NLV}	{NLV}	ND(0.305 J) [ND(0.310 J)]	ND(2.68 J*)
Sodium	mg/kg	1,000,000 {D}	1,000,000 {D}	7,000	{ID}	{NLV}	{NLV}	ND(611) [ND(619)]	661
Thallium	mg/kg	15,000 {B}	130 {B}	2.3 {B}	{ID}	{NLV}	{NLV}	ND(0.305) [ND(0.310)]	ND(0.268)
Vanadium	mg/kg	1,000,000 {D}	5,500 {DD}	990	{ID}	{NLV}	{NLV}	3.48 [3.03 J]	20.0 J
Zinc	mg/kg	1,000,000 {B,D}	630,000 {B}	5,000 {B}	{ID}	{NLV}	{NLV}	7.69 [5.70 J]	147 J

See Generic Notes in Table 14.

Table 13. Inorganic Constituents Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Drum Remediation/Wetland Area SD-40 0 - 1.1 06/22/95	Drum Remediation/Wetland Area SD-40 1.1 - 2.2 06/22/95	Drum Remediation/Wetland Area SD-62 0 - 0.5 08/10/00	Drum Remediation/Wetland Area SD-64 0 - 0.5 08/10/00
Inorganics					
Aluminum	mg/kg	9,620 (IDWP)	11,300 (IDWP)	6,530 [7,490 (IDWP)]	16,400 (IDWP)
Antimony	mg/kg	0.737 J	0.510 J	35.8 J (IDWP) [30.4 J (IDWP)]	ND(12.5 J)
Arsenic	mg/kg	4.60	3.55	12.5 [11.7]	11.0
Barium	mg/kg	76.9	72.9	57.0 [68.4]	115
Beryllium	mg/kg	ND(0.893)	ND(0.683)	ND(0.640) [ND(0.700)]	ND(1.00)
Cadmium	mg/kg	0.181	0.109	ND(1.30) [ND(0.700)]	ND(1.00)
Calcium	mg/kg	16,000 J	51,200 J	27,300 [38,000]	30,600
Chromium Total	mg/kg	21.6	21.0	119 (IDWP) [136 (IDWP)]	28.7
Cobalt	mg/kg	ND(8.93)	7.17 (IDWP)	6.10 B [5.80 B]	8.80 B (IDWP)
Copper	mg/kg	17.8	14.7	1,140 [1,170]	26.7
Cyanide (total)	mg/kg	ND(0.450)	ND(0.340)	0.270 B [ND(0.700)]	ND(1.00)
Iron	mg/kg	19,100 (IDWP)	16,800 (IDWP)	72,500 (IDWP) [71,700 (IDWP)]	22,800 (IDWP)
Lead	mg/kg	12.8	6.97	237 [245]	21.3
Magnesium	mg/kg	5,920	16,400	1,300 [1,530]	12,400
Manganese	mg/kg	263	319	3,800 J (IDWP IPSIC) [4,480 J (IDWP IPSIC)]	363 J
Mercury	mg/kg	ND(0.0893)	ND(0.0683)	0.120 B [0.120 B]	0.0750 B
Nickel	mg/kg	19.1	20.0	36.1 [30.3]	24.9
Potassium	mg/kg	926	1,730	629 B [736]	2,750
Selenium	mg/kg	ND(0.893 *)	ND(0.683 *)	ND(1.30) [4.60 (IDWP)]	2.50
Silver	mg/kg	ND(0.446 J)	ND(0.341 J)	10.1 [13.4 (IDWP)]	ND(2.10)
Sodium	mg/kg	ND(893)	ND(683)	196 B [236 B]	759 B
Thallium	mg/kg	ND(0.446)	ND(0.341 J)	0.860 BJ [6.50 J (IDWP)]	2.20 J
Vanadium	mg/kg	22.3	27.6	15.4 [18.6]	36.1
Zinc	mg/kg	66.7	38.8	179 J [123 J]	73.9 J

See Generic Notes in Table 14.

Table 13. Inorganic Constituents Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Drum Remediation/Wetland Area SD-65 0 - 0.5 08/10/00	Eastern Property Extension SD-24 0 - 1.5 06/19/95	Eastern Property Extension SD-24 1.5 - 3 06/19/95	Eastern Property Extension SD-25 0 - 1.1 06/19/95	Eastern Property Extension SD-25 1.1 - 2.2 06/19/95
Inorganics						
Aluminum	mg/kg	2,760	10,700 (IDWP)	4,690	6,020	3,400
Antimony	mg/kg	ND(9.70 J)	0.856 J	0.437 J	0.429 J	0.368 J
Arsenic	mg/kg	2.30	11.3 J	12.1 J	10.8	2.55
Barium	mg/kg	23.9 B	71.9	43.2	42.4	26.1
Beryllium	mg/kg	ND(0.810)	ND(0.793)	ND(0.777)	ND(0.701)	ND(0.657)
Cadmium	mg/kg	ND(0.810)	0.285	0.130	0.271	0.0762
Calcium	mg/kg	11,700	41,800	66,500	41,500	26,800
Chromium Total	mg/kg	16.6	18.9 J	9.87 J	12.9	7.23
Cobalt	mg/kg	1.70 B	ND(7.93)	ND(7.77)	ND(7.01)	ND(6.57)
Copper	mg/kg	8.70	15.2 J	7.86 J	8.60 J	4.02 J
Cyanide (total)	mg/kg	ND(0.810)	R	R	ND(0.350 J)	ND(0.330 J)
Iron	mg/kg	5,720	15,600 (IDWP)	11,300	12,800 (IDWP)	7,270
Lead	mg/kg	7.00	9.36	3.93	6.40	2.78
Magnesium	mg/kg	1,830	16,300 J	17,400 J	17,100 J	10,500 J
Manganese	mg/kg	732 J (IDWP)	416 J	532 J (IDWP)	504 (IDWP)	183
Mercury	mg/kg	0.0150 B	ND(0.0793)	ND(0.0777)	ND(0.0701)	ND(0.0657)
Nickel	mg/kg	4.00 B	14.4	9.01	11.0	5.91
Potassium	mg/kg	441 B	1,900	901	856	ND(657)
Selenium	mg/kg	0.560 B	ND(0.793 *)	ND(0.389)	ND(0.350 J)	ND(0.328 J)
Silver	mg/kg	ND(1.60)	ND(0.793 J)	ND(0.389 J)	ND(0.350 J)	ND(0.328 J)
Sodium	mg/kg	166 B	ND(793)	ND(777)	ND(701)	ND(657)
Thallium	mg/kg	1.20 JB	ND(0.397 J)	ND(0.389)	ND(0.350 J)	ND(0.328)
Vanadium	mg/kg	7.10 B	24.9	12.3	17.3	12.1
Zinc	mg/kg	19.7 J	60.2 J	24.7 J	44.9	20.7

See Generic Notes in Table 14.

Table 13. Inorganic Constituents Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Sample Depth (ft BGS): / Date Collected:	Units	Eastern Property Extension SD-25 2.2 - 3.3 06/19/95	Green Point Landfill SD-35 0 - 1.5 06/21/95	Green Point Landfill SD-35 1.5 - 3 06/21/95	Green Point Landfill SD-35 3 - 4.5 06/21/95	Green Point Landfill SD-41 0 - 1 06/22/95	Green Point Landfill SD-41 1 - 2 06/22/95	Green Point Landfill SD-42 0 - 1 06/22/95
Inorganics								
Aluminum	mg/kg	3,940	13,500 J (IDWP)	8,320 J (IDWP)	7,230 J (IDWP)	12,500 (IDWP)	4,720	2,150
Antimony	mg/kg	0.373 J	ND(0.992 J)	ND(0.704 J)	0.470 J	0.940 J	0.524 J	0.357 J
Arsenic	mg/kg	2.74	6.40 J	5.99 J	4.17 J	5.51	2.32	0.845
Barium	mg/kg	25.1	92.7	63.1	66.5	47.1	21.2	11.9
Beryllium	mg/kg	ND(0.695)	0.992	ND(0.704)	ND(0.738)	0.822	ND(0.601)	ND(0.525)
Cadmium	mg/kg	0.120	0.504	0.501	0.221	0.219	0.0841	0.0577
Calcium	mg/kg	35,100	40,900	29,500	59,500	24,700 J	7,910 J	1,350 J
Chromium Total	mg/kg	8.55	30.6 J (IDWP)	22.0 J	19.9 J	34.7 (IDWP)	20.7	8.40
Cobalt	mg/kg	ND(6.95)	ND(9.92)	ND(7.04)	ND(7.38)	7.12 (IDWP)	ND(6.01)	ND(5.25)
Copper	mg/kg	4.28 J	26.9	20.0	15.5	38.3	11.5	10.7
Cyanide (total)	mg/kg	ND(0.350 J)	ND(0.500)	ND(0.350)	ND(0.370)	ND(0.340)	ND(0.300)	ND(0.260)
Iron	mg/kg	6,980	31,100 (IDWP)	21,400 (IDWP)	15,500 (IDWP)	39,800 (IDWP)	14,600 (IDWP)	9,090
Lead	mg/kg	2.47	21.3	20.3	14.3	21.8	9.13	4.45
Magnesium	mg/kg	12,100 J	13,400	9,570	19,200	11,500	2,370	755
Manganese	mg/kg	168	602 (IDWP)	418	536 (IDWP)	441 (IDWP)	508 (IDWP)	161
Mercury	mg/kg	ND(0.0695)	0.118	0.0955	0.0881	0.0912	ND(0.0601)	ND(0.0525)
Nickel	mg/kg	7.16	26.4	16.3	15.7	33.2	13.8	9.13
Potassium	mg/kg	ND(695)	2,080	1,190	1,160	2,020	ND(601)	ND(525)
Selenium	mg/kg	ND(0.348 J)	ND(0.992 J)	ND(0.704 J)	ND(0.369 J)	ND(1.37 J*)	ND(0.601 J*)	ND(0.262)
Silver	mg/kg	ND(0.348)	ND(0.992 *)	ND(0.704 *)	ND(0.369)	ND(0.685 J)	ND(0.300 J)	ND(0.262 J)
Sodium	mg/kg	ND(695)	1,110	732	ND(738)	982	ND(601)	ND(525)
Thallium	mg/kg	ND(0.348)	ND(0.496)	ND(0.352)	ND(0.369)	ND(0.343 J)	ND(0.300)	ND(0.262)
Vanadium	mg/kg	14.4	17.6	11.7	16.4	20.4	8.29	4.51
Zinc	mg/kg	23.2	247	66.6	51.7	249	59.9	64.0

See Generic Notes in Table 14.

Table 13. Inorganic Constituents Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Sample Depth (ft BGS): / Date Collected:	Units	Green Point Landfill SD-42 1 - 2 06/22/95	Southern Drainage Channels SD-22 0 - 1.2 06/19/95	Southern Drainage Channels SD-22 1.2 - 2.4 06/19/95	Southern Drainage Channels SD-22 2.4 - 3.6 06/19/95	Southern Drainage Channels SD-23 0 - 1.2 06/19/95
Inorganics						
Aluminum	mg/kg	8,400 (IDWP)	9,790 (IDWP)	8,020 (IDWP)	5,530	8,700 (IDWP)
Antimony	mg/kg	0.493 J	ND(1.22 J)	ND(0.669 J)	0.349 J	ND(1.52 J)
Arsenic	mg/kg	2.94	5.11	5.48	4.41	10.9 J
Barium	mg/kg	38.3	121	69.0	43.9	70.8
Beryllium	mg/kg	ND(0.638)	0.796	0.736	ND(0.668)	0.607
Cadmium	mg/kg	0.110	0.0753	0.395	0.0943	0.105
Calcium	mg/kg	37,400 J	42,300	37,800	38,400	40,800
Chromium Total	mg/kg	22.4	74.6 (IDWP)	52.7 (IDWP)	20.3	46.5 J (IDWP)
Cobalt	mg/kg	ND(6.38)	ND(6.12)	ND(6.69)	ND(6.68)	ND(6.07)
Copper	mg/kg	18.5	4.90 J	24.4 J	6.83 J	27.3 J
Cyanide (total)	mg/kg	0.850	2.00 J	1.10 J	0.840 J	2.40 J
Iron	mg/kg	17,300 (IDWP)	18,400 (IDWP)	18,600 (IDWP)	10,700	24,100 (IDWP)
Lead	mg/kg	10.1	6.81	6.51	4.15	9.46
Magnesium	mg/kg	12,400	7,170 J	9,570 J	12,600 J	8,730 J
Manganese	mg/kg	364	5,130 (IDWP,IPSIC)	3,150 (IDWP,IPSIC)	1,040 (IDWP)	3,100 J (IDWP,IPSIC)
Mercury	mg/kg	ND(0.0638)	ND(0.0612)	ND(0.0669)	ND(0.0668)	ND(0.0607)
Nickel	mg/kg	17.5	14.3	17.5	9.29	12.1
Potassium	mg/kg	1,760	1,090	954	784	1,460
Selenium	mg/kg	ND(0.319)	ND(1.22 J)	1.16 J	ND(0.334 J)	ND(1.52 J)
Silver	mg/kg	ND(0.319 J)	ND(1.22 J)	ND(0.669 J)	ND(0.334 J)	ND(1.52 J)
Sodium	mg/kg	ND(638)	ND(612)	ND(669)	ND(668)	ND(607)
Thallium	mg/kg	ND(0.319)	ND(0.306)	ND(0.334)	ND(0.334)	ND(0.303)
Vanadium	mg/kg	17.7	17.1	16.0	15.0	21.5
Zinc	mg/kg	80.7	81.8	40.8	33.6	47.4 J

See Generic Notes in Table 14.

Table 13. Inorganic Constituents Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-23 1.2 - 2.4 06/19/95	Southern Drainage Channels SD-23 2.4 - 3.6 06/19/95	Southern Drainage Channels SD-26 0 - 1.2 06/19/95	Southern Drainage Channels SD-26 1.2 - 2.4 06/19/95	Southern Drainage Channels SD-26 2.4 - 3.6 06/19/95
Inorganics						
Aluminum	mg/kg	6,730	2,840	8,550 (IDWP)	8,660 (IDWP)	2,890
Antimony	mg/kg	0.433 J	ND(0.343 J)	ND(0.390 J)	0.414 J	ND(0.336 J)
Arsenic	mg/kg	9.03 J	7.04 J	7.85 J	6.13 J	4.03 J
Barium	mg/kg	56.2	26.0	70.2	63.9	27.1
Beryllium	mg/kg	ND(0.737)	ND(0.686)	ND(0.780)	ND(0.731)	ND(0.672)
Cadmium	mg/kg	0.227	0.0762	0.235	0.155	0.0719
Calcium	mg/kg	48,700	43,100	38,300	48,600	43,000
Chromium Total	mg/kg	14.5 J	5.90 J	16.8 J	14.9 J	6.31 J
Cobalt	mg/kg	ND(7.37)	ND(6.86)	ND(7.80)	ND(7.31)	ND(6.72)
Copper	mg/kg	16.2	3.80 J	12.8 J	10.3 J	3.77 J
Cyanide (total)	mg/kg	R	R	R	R	R
Iron	mg/kg	11,800	6,310	17,100 (IDWP)	14,400 (IDWP)	6,000
Lead	mg/kg	6.65	2.02	8.89	5.74	2.11
Magnesium	mg/kg	15,100 J	10,500 J	12,800 J	14,200 J	11,100 J
Manganese	mg/kg	629 J (IDWP)	272 J	538 J (IDWP)	501 J (IDWP)	246 J
Mercury	mg/kg	ND(0.0737)	ND(0.0686)	ND(0.0780)	ND(0.0731)	ND(0.0672)
Nickel	mg/kg	11.8	4.19	14.4	12.4	4.43
Potassium	mg/kg	1,200	ND(686)	1,240	1,660	ND(672)
Selenium	mg/kg	0.550	ND(0.343 J)	0.414	ND(0.365)	ND(0.336)
Silver	mg/kg	ND(0.368 J)	ND(0.343 J)	ND(0.390 J)	ND(0.365 J)	ND(0.336 J)
Sodium	mg/kg	ND(737)	ND(686)	ND(780)	ND(731)	ND(672)
Thallium	mg/kg	ND(0.368 J)	ND(0.343 J)	ND(0.390)	ND(0.365)	ND(0.336)
Vanadium	mg/kg	15.7	8.55	18.2	19.0	7.92
Zinc	mg/kg	40.9 J	13.5 J	53.0 J	34.8 J	14.2 J

See Generic Notes in Table 14.

Table 13. Inorganic Constituents Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-27 0 - 1.3 06/19/95	Southern Drainage Channels SD-27 1.3 - 2.6 06/19/95	Southern Drainage Channels SD-27 2.6 - 3.9 06/19/95	Southern Drainage Channels SD-28 0 - 1.2 06/19/95	Southern Drainage Channels SD-28 1.2 - 2.4 06/19/95
Inorganics						
Aluminum	mg/kg	10,800 (IDWP)	3,160	2,120	16,300 (IDWP)	8,960 (IDWP)
Antimony	mg/kg	ND(0.782 J)	ND(0.353 J)	ND(0.340 J)	0.990 J	ND(0.718 J)
Arsenic	mg/kg	7.19 J	5.03 J	2.15 J	9.29 J	8.36 J
Barium	mg/kg	83.4	31.3	19.9	111	69.3
Beryllium	mg/kg	ND(0.782)	ND(0.706)	ND(0.681)	0.998	ND(0.718)
Cadmium	mg/kg	0.213	0.0939	0.0436	0.408	0.256
Calcium	mg/kg	32,100	47,500	33,400	41,200	30,600
Chromium Total	mg/kg	19.9 J	7.27 J	5.10 J	28.5 J	17.4 J
Cobalt	mg/kg	8.13 (IDWP)	ND(7.06)	ND(6.81)	9.89 (IDWP)	7.18 (IDWP)
Copper	mg/kg	15.4 J	4.87 J	2.62 J	21.5 J	14.2 J
Cyanide (total)	mg/kg	R	R	R	R	R
Iron	mg/kg	19,900 (IDWP)	7,360	4,840	25,000 (IDWP)	15,200 (IDWP)
Lead	mg/kg	9.61	2.58	1.73	13.8	8.80
Magnesium	mg/kg	11,900 J	11,700 J	8,060 J	15,300 J	10,400 J
Manganese	mg/kg	445 J (IDWP)	316 J	188 J	603 J (IDWP)	358 J
Mercury	mg/kg	ND(0.0782)	ND(0.0706)	ND(0.0681)	ND(0.0908)	ND(0.0718)
Nickel	mg/kg	16.6	6.29	3.61	23.2	15.4
Potassium	mg/kg	1,610	ND(706)	ND(681)	2,780	1,490
Selenium	mg/kg	ND(0.782 J)	ND(0.353 J)	ND(0.340 J)	ND(0.908 *)	ND(0.718 *)
Silver	mg/kg	ND(0.782 J)	ND(0.353 J)	ND(0.340 J)	ND(0.908 J)	ND(0.718 J)
Sodium	mg/kg	ND(782)	ND(706)	ND(681)	ND(908)	ND(718)
Thallium	mg/kg	ND(0.391)	ND(0.353)	ND(0.340)	ND(0.454)	ND(0.359)
Vanadium	mg/kg	24.8	9.15	6.21	33.5	20.6
Zinc	mg/kg	55.3 J	16.3 J	10.2 J	87.8 J	52.6 J

See Generic Notes in Table 14.

Table 13. Inorganic Constituents Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-28 2.4 - 3.6 06/19/95	Southern Drainage Channels SD-29 0 - 1.2 06/19/95	Southern Drainage Channels SD-29 1.2 - 2.4 06/19/95	Southern Drainage Channels SD-29 2.4 - 3.6 06/19/95	Southern Drainage Channels SD-30 0 - 1.1 06/19/95
Inorganics						
Aluminum	mg/kg	3,130	9,560 (IDWP)	5,560	6,040	10,200 (IDWP)
Antimony	mg/kg	0.382 J	0.599 J	ND(0.359 J)	ND(0.369 J)	0.443 J
Arsenic	mg/kg	3.66 J	8.52 J	7.58 J	6.57 J	5.35 J
Barium	mg/kg	27.3	71.7	45.0	53.3	76.2
Beryllium	mg/kg	ND(0.669)	ND(0.815)	ND(0.717)	ND(0.739)	ND(0.862)
Cadmium	mg/kg	0.0562	0.210	0.148	0.106	0.257
Calcium	mg/kg	30,600	32,600	56,800	66,600	44,500
Chromium Total	mg/kg	6.75 J	18.9 J	10.8 J	10.9 J	17.6 J
Cobalt	mg/kg	ND(6.69)	ND(8.15)	ND(7.17)	ND(7.39)	ND(8.62)
Copper	mg/kg	4.57 J	12.7 J	7.41 J	16.6 J	12.2 J
Cyanide (total)	mg/kg	R	R	R	R	R
Iron	mg/kg	5,910	21,500 (IDWP)	8,460	11,500	16,600 (IDWP)
Lead	mg/kg	2.70	8.44	3.87	3.70	7.71
Magnesium	mg/kg	7,480 J	10,100 J	16,400 J	18,400 J	14,800 J
Manganese	mg/kg	195 J	530 J (IDWP)	321 J	524 J (IDWP)	536 J (IDWP)
Mercury	mg/kg	ND(0.0669)	ND(0.0815)	ND(0.0717)	ND(0.0739)	ND(0.0862)
Nickel	mg/kg	5.15	13.9	9.32	9.16	14.8
Potassium	mg/kg	ND(669)	1,240	1,120	1,320	1,570
Selenium	mg/kg	ND(0.334 J)	ND(0.408 J)	ND(0.359)	ND(0.369 J)	ND(0.431 J)
Silver	mg/kg	ND(0.334 J)	ND(0.408 J)	ND(0.359 J)	ND(0.369 J)	ND(0.431 J)
Sodium	mg/kg	ND(669)	ND(815)	ND(717)	ND(739)	ND(862)
Thallium	mg/kg	ND(0.334)	ND(0.408)	ND(0.359)	ND(0.369 J)	ND(0.431 J)
Vanadium	mg/kg	8.93	17.6	13.7	13.3	22.0
Zinc	mg/kg	16.2 J	109 J	27.5 J	25.5 J	55.4 J

See Generic Notes in Table 14.

Table 13. Inorganic Constituents Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: / Location ID: / Sample Depth (ft BGS): / Date Collected:	Units	Southern Drainage Channels SD-30 1.1 - 2.2 06/19/95	Southern Drainage Channels SD-30 2.2 - 3.3 06/19/95	Southern Drainage Channels SD-31 0 - 1.1 06/19/95	Southern Drainage Channels SD-31 1.1 - 2.2 06/19/95	Southern Drainage Channels SD-31 2.2 - 3.3 06/19/95
Inorganics						
Aluminum	mg/kg	1,090	2,830	9,580 (IDWP)	3,670	1,520
Antimony	mg/kg	ND(0.314)	ND(0.329 J)	0.580 J	0.357 J	ND(0.307 J)
Arsenic	mg/kg	2.69 J	2.77 J	7.63 J	3.58 J	1.53 J
Barium	mg/kg	12.5	26.7	81.5	37.0	13.0
Beryllium	mg/kg	ND(0.628)	ND(0.659)	ND(0.883)	ND(0.681)	ND(0.614)
Cadmium	mg/kg	0.0358	0.0639	0.261	0.0721	ND(0.0307)
Calcium	mg/kg	23,100	40,400	51,500	52,400	22,000
Chromium Total	mg/kg	2.89 J	5.73 J	17.2	7.28	3.26
Cobalt	mg/kg	ND(6.28)	ND(6.59)	ND(8.83)	ND(6.81)	ND(6.14)
Copper	mg/kg	1.33 J	4.05 J	15.6	6.60	2.46
Cyanide (total)	mg/kg	R	R	ND(0.440 J)	ND(0.340 J)	ND(0.310 J)
Iron	mg/kg	2,960	5,330	19,000 (IDWP)	7,170	3,420
Lead	mg/kg	1.06	2.20	8.58	2.96	1.21
Magnesium	mg/kg	4,780 J	9,570 J	18,900	13,600	5,240
Manganese	mg/kg	115 J	277 J	511 (IDWP)	278	102
Mercury	mg/kg	ND(0.0628)	ND(0.0659)	ND(0.0883)	ND(0.0681)	ND(0.0614)
Nickel	mg/kg	ND(2.51)	5.67	16.1	6.19	2.70
Potassium	mg/kg	ND(628)	ND(659)	1,440	770	ND(614)
Selenium	mg/kg	ND(0.314 J)	ND(0.329 J)	ND(0.442)	ND(0.340)	ND(0.307)
Silver	mg/kg	ND(0.314)	ND(0.329)	ND(0.442 J)	ND(0.340 J)	ND(0.307 J)
Sodium	mg/kg	ND(628)	ND(659)	ND(883)	ND(681)	ND(614)
Thallium	mg/kg	ND(0.314 J)	ND(0.329 J)	ND(0.442 J)	ND(0.340 J)	ND(0.307 J)
Vanadium	mg/kg	4.21	8.09	22.3	12.0	5.96
Zinc	mg/kg	6.03 J	13.0 J	53.7	15.9	7.49

See Generic Notes in Table 14.

Table 13. Inorganic Constituents Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-32 0 - 1.4 06/19/95	Southern Drainage Channels SD-32 1.4 - 2.8 06/19/95	Southern Drainage Channels SD-32 2.8 - 4.2 06/19/95	Southern Drainage Channels SD-33 0 - 1.3 06/19/95	Southern Drainage Channels SD-33 1.3 - 2.6 06/19/95
Inorganics						
Aluminum	mg/kg	17,300 (IDWP) [12,800 (IDWP)]	4,090	2,030	19,200 (IDWP)	13,200 (IDWP)
Antimony	mg/kg	0.785 J [0.683 J]	ND(0.330 J)	0.381 J	0.933 J	0.618 J
Arsenic	mg/kg	15.9 J [12.1 J]	2.72 J	2.07 J	13.6 J	6.46 J
Barium	mg/kg	114 [103]	36.5	21.0	129	104
Beryllium	mg/kg	ND(1.03) [ND(1.07)]	ND(0.659)	ND(0.623)	ND(1.06)	ND(0.819)
Cadmium	mg/kg	0.390 [0.411]	0.118	0.0473	0.489	0.264
Calcium	mg/kg	35,000 [34,700]	18,000	30,600	43,800	38,500
Chromium Total	mg/kg	30.4 (IDWP) [24.2]	8.05	4.24	33.6 (IDWP)	23.5
Cobalt	mg/kg	ND(10.3) [ND(10.7)]	ND(6.59)	ND(6.23)	11.1 (IDWP)	ND(8.19)
Copper	mg/kg	22.8 [22.2]	7.85	3.68	25.7	18.3
Cyanide (total)	mg/kg	ND(0.510 J) [ND(0.530 J)]	ND(0.330 J)	0.310 J	ND(0.530 J)	ND(0.410 J)
Iron	mg/kg	25,900 (IDWP) [23,600 (IDWP)]	7,300	4,280	30,900 (IDWP)	19,300 (IDWP)
Lead	mg/kg	13.6 [13.1]	5.09	1.86	16.4	12.1
Magnesium	mg/kg	13,300 [12,300]	5,040	7,310	16,600	13,700
Manganese	mg/kg	527 (IDWP) [512 (IDWP)]	145	164	660 (IDWP)	354
Mercury	mg/kg	ND(0.103) [ND(0.107)]	ND(0.0659)	ND(0.0623)	ND(0.106)	ND(0.0819)
Nickel	mg/kg	25.7 [21.4]	7.06	3.86	26.7	18.2
Potassium	mg/kg	2,890 [1,800]	ND(659)	ND(623)	2,990	2,130
Selenium	mg/kg	ND(0.513) [ND(0.534)]	ND(0.330)	ND(0.311)	ND(0.532)	ND(0.409)
Silver	mg/kg	ND(0.513 J) [ND(0.534 J)]	ND(0.330 J)	ND(0.311 J)	ND(0.532 J)	ND(0.409 J)
Sodium	mg/kg	ND(1,030) [ND(1,070)]	ND(659)	ND(623)	ND(1,060)	ND(819)
Thallium	mg/kg	ND(0.513 J) [ND(0.534 J)]	ND(0.330 J)	ND(0.311 J)	ND(0.532 J)	ND(0.409 J)
Vanadium	mg/kg	36.3 [27.8]	10.7	6.73	38.2	29.1
Zinc	mg/kg	95.1 [93.4]	23.0	9.16	143	58.6

See Generic Notes in Table 14.

Table 13. Inorganic Constituents Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-33 2.6 - 3.9 06/19/95	Southern Drainage Channels SD-34 0 - 1.3 06/21/95	Southern Drainage Channels SD-34 1.3 - 2.6 06/21/95	Southern Drainage Channels SD-34 2.6 - 3.9 06/21/95	Southern Drainage Channels SD-36 0 - 1.3 06/19/95
Inorganics						
Aluminum	mg/kg	2,120	8,110 J (IDWP)	7,280 J (IDWP)	5,190 J	4,270
Antimony	mg/kg	ND(0.295 J)	ND(0.714 J)	ND(0.746 J)	0.364 J	ND(0.361 J)
Arsenic	mg/kg	2.80 J	4.89 J	5.30 J	5.24 J	2.68 J
Barium	mg/kg	16.8	55.8	60.7	44.1	35.8
Beryllium	mg/kg	ND(0.591)	0.999	ND(0.746)	ND(0.699)	ND(0.722)
Cadmium	mg/kg	0.0366	0.219	0.240	0.134	0.0953
Calcium	mg/kg	11,200	14,200	53,400	58,400	31,300
Chromium Total	mg/kg	4.14	26.4 J	17.8 J	10.4 J	8.23
Cobalt	mg/kg	ND(5.91)	ND(7.14)	ND(7.46)	ND(6.99)	ND(7.22)
Copper	mg/kg	2.84	14.7	13.7	8.04	7.07
Cyanide (total)	mg/kg	ND(0.300 J)	ND(0.360)	ND(0.370)	ND(0.350)	ND(0.360 J)
Iron	mg/kg	3,650	17,200 (IDWP)	14,000 (IDWP)	9,470	7,370
Lead	mg/kg	1.89	10.9	9.48	4.10	3.68
Magnesium	mg/kg	3,160	4,350	18,500	19,200	9,320
Manganese	mg/kg	76.6	459 (IDWP)	488 (IDWP)	365	202
Mercury	mg/kg	ND(0.0591)	ND(0.0714)	0.0887	0.0829	ND(0.0722)
Nickel	mg/kg	3.78	14.4	13.7	10.3	7.00
Potassium	mg/kg	ND(591)	887	1,210	980	796
Selenium	mg/kg	ND(0.295)	ND(0.714 J)	ND(0.746 J)	ND(0.349 J)	ND(0.361)
Silver	mg/kg	ND(0.295 J)	ND(0.714 *)	ND(0.746 *)	ND(0.349)	ND(0.361 J)
Sodium	mg/kg	ND(591)	ND(714)	ND(746)	ND(699)	ND(722)
Thallium	mg/kg	ND(0.295 J)	ND(0.357)	ND(0.373 W)	ND(0.349)	ND(0.361 J)
Vanadium	mg/kg	7.03	10.9	16.1	13.2	11.7
Zinc	mg/kg	10.5	169	49.6	24.1	23.5

See Generic Notes in Table 14.

Table 13. Inorganic Constituents Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-36 1.3 - 2.6 06/19/95	Southern Drainage Channels SD-36 2.6 - 3.9 06/19/95	Southern Drainage Channels SD-37 0 - 1.3 06/19/95	Southern Drainage Channels SD-37 1.3 - 2.6 06/19/95	Southern Drainage Channels SD-37 2.6 - 3.9 06/19/95
Inorganics						
Aluminum	mg/kg	4,450	7,250 (IDWP)	5,560	6,360 [8,330 (IDWP)]	5,080
Antimony	mg/kg	0.375 J	0.467 J	0.510 J	0.394 J [ND(0.373 J)]	ND(0.330 J)
Arsenic	mg/kg	2.57 J	4.27 J	7.52 J	6.79 J [4.70 J]	4.75 J
Barium	mg/kg	36.9	68.7	43.4	57.2 [63.9]	45.4
Beryllium	mg/kg	ND(0.698)	ND(0.757)	ND(0.707)	ND(0.732) [ND(0.746)]	ND(0.659)
Cadmium	mg/kg	0.0894	0.142	0.148	0.153 [0.149]	0.132
Calcium	mg/kg	31,900	75,600	20,900	60,300 [62,800]	41,600
Chromium Total	mg/kg	8.24	13.3	9.47	11.8 [13.9]	9.56
Cobalt	mg/kg	ND(6.98)	ND(7.57)	ND(7.07)	ND(7.32) [ND(7.46)]	ND(6.59)
Copper	mg/kg	6.70	11.7	8.91	9.45 [9.92]	9.03
Cyanide (total)	mg/kg	ND(0.350 J)	ND(0.380 J)	3.50 J	ND(0.370 J) [ND(0.370 J)]	ND(0.330 J)
Iron	mg/kg	7,570	12,900 (IDWP)	10,200	12,300 (IDWP) [13,200 (IDWP)]	9,440
Lead	mg/kg	3.71	5.24	5.39	5.34 [5.56]	4.25
Magnesium	mg/kg	9,480	23,400 (IDWP)	6,970	18,700 [19,700]	14,000
Manganese	mg/kg	206	475 (IDWP)	240	444 (IDWP) [466 (IDWP)]	309
Mercury	mg/kg	ND(0.0698)	ND(0.0757)	ND(0.0707)	ND(0.0732) [ND(0.0746)]	ND(0.0659)
Nickel	mg/kg	6.35	12.5	8.06	11.8 [12.9]	11.0
Potassium	mg/kg	836	1,420	920	1,180 [1,850]	808
Selenium	mg/kg	ND(0.349)	ND(0.379)	ND(0.353)	ND(0.366) [ND(0.373)]	ND(0.330)
Silver	mg/kg	ND(0.349 J)	ND(0.379 J)	ND(0.353 J)	ND(0.366) [ND(0.373 J)]	ND(0.330 J)
Sodium	mg/kg	ND(698)	ND(757)	ND(707)	ND(732 J) [ND(746)]	ND(659)
Thallium	mg/kg	ND(0.349 J)	ND(0.379 J)	ND(0.353 J)	ND(0.366 J) [ND(0.373 J)]	ND(0.330 J)
Vanadium	mg/kg	12.1	19.0	12.9	16.1 [21.3]	13.8
Zinc	mg/kg	18.9	32.2	25.8	26.4 [27.7]	31.5

See Generic Notes in Table 14.

Table 13. Inorganic Constituents Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Southern Drainage Channels SD-38 0 - 1.2 06/19/95	Southern Drainage Channels SD-38 1.2 - 2.4 06/19/95	Southern Drainage Channels SD-59 0 - 0.5 08/10/00	Southern Drainage Channels SD-60 0 - 0.5 08/10/00	Southern Drainage Channels SD-61 0 - 0.5 08/10/00
Inorganics						
Aluminum	mg/kg	12,300 (IDWP)	5,750	10,600 (IDWP)	3,190	6,620
Antimony	mg/kg	0.839 J	ND(0.330 J)	ND(10.0 J)	ND(10.1 J)	ND(9.70 J)
Arsenic	mg/kg	6.54 J	3.40 J	6.50	3.40	4.50
Barium	mg/kg	100	40.5	77.7	79.9	45.8
Beryllium	mg/kg	ND(0.999)	ND(0.660)	ND(0.840)	ND(0.840)	ND(0.810)
Cadmium	mg/kg	0.350	0.0990	0.190 B	ND(0.840)	0.180 B
Calcium	mg/kg	59,300	39,800	9,390	30,300	8,000
Chromium Total	mg/kg	22.0	10.9	20.1	13.9	12.6
Cobalt	mg/kg	ND(9.99)	ND(6.60)	5.80 B	1.90 B	3.50 B
Copper	mg/kg	36.8	10.8	21.7	24.4	14.1
Cyanide (total)	mg/kg	ND(0.500 J)	ND(0.330 J)	ND(0.840)	ND(0.840)	ND(0.810)
Iron	mg/kg	21,400 (IDWP)	9,970	14,500 (IDWP)	24,800 (IDWP)	8,940
Lead	mg/kg	14.0	4.58	25.1	14.3	21.4
Magnesium	mg/kg	16,900	12,900	4,730	1,810	3,400
Manganese	mg/kg	587 (IDWP)	204	211 J	329 J	92.7
Mercury	mg/kg	ND(0.0999)	ND(0.0660)	0.0850 B	0.0160 B	0.0460 B
Nickel	mg/kg	20.5	10.8	17.7	17.6	11.4
Potassium	mg/kg	2,140	1,180	1,530	426 B	1,200
Selenium	mg/kg	ND(0.500)	ND(0.330)	2.00	1.60	0.880
Silver	mg/kg	ND(0.500)	ND(0.330 J)	ND(1.70)	ND(1.70)	ND(1.60)
Sodium	mg/kg	ND(999)	ND(660)	240 B	313 B	558 B
Thallium	mg/kg	ND(0.500 J)	ND(0.330 J)	1.70 J	1.40 JB	ND(1.60 J)
Vanadium	mg/kg	28.6	15.6	21.6	6.30 B	16.2
Zinc	mg/kg	68.8	23.2	68.4 J	91.4 J	47.2 J

See Generic Notes in Table 14.

Table 13. Inorganic Constituents Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Submarine Pond SD-43 0 - 0.8 06/15/95	Submarine Pond SD-43 0.8 - 1.6 06/15/95	Submarine Pond SD-44 0 - 0.9 06/15/95	Submarine Pond SD-44 0.9 - 1.8 06/15/95	Submarine Pond SD-45 0 - 0.7 06/15/95	Submarine Pond SD-45 0.7 - 1.4 06/15/95	Submarine Pond SD-46 0 - 1.5 06/15/95	Submarine Pond SD-46 1.5 - 3 06/15/95
Inorganics									
Aluminum	mg/kg	5,980	5,620	12,300 (IDWP)	12,800 (IDWP)	9,790 (IDWP)	9,590 (IDWP)	9,890 (IDWP)	6,180
Antimony	mg/kg	2.31 J	0.892 J	1.04 J	0.822 J	ND(0.689 J*)	ND(1.32 J*)	ND(0.957 J*)	ND(0.743 J*)
Arsenic	mg/kg	4.83	3.42	6.85 J	4.94 SJ	4.30 J	4.48 J	8.84 J	9.39 J
Barium	mg/kg	66.2	66.3	142	150	76.2	86.6	109	71.5
Beryllium	mg/kg	ND(0.707)	ND(0.594)	ND(1.01)	0.793	ND(0.689)	ND(0.658)	ND(0.957)	ND(0.743)
Cadmium	mg/kg	0.240	0.138	0.447	0.299	0.170	0.170	0.400	0.281
Calcium	mg/kg	24,400	32,800	32,500	54,000	55,300	33,400	40,000	47,400
Chromium Total	mg/kg	35.3 (IDWP)	36.9 (IDWP)	45.1 (IDWP)	71.5 (IDWP)	19.4	18.2	34.4 (IDWP)	15.8
Cobalt	mg/kg	ND(7.07)	ND(5.94)	ND(10.1)	ND(7.93)	6.96 (IDWP)	7.31 (IDWP)	ND(9.57)	ND(7.43)
Copper	mg/kg	47.0 J	22.3 J	45.0 J	24.9 J	11.6 J	11.3 J	33.4 J	16.6 J
Cyanide (total)	mg/kg	ND(0.350 J)	ND(0.300 J)	ND(0.500 J)	ND(0.250 J)	ND(0.340 J)	0.500 J	ND(0.480 J)	ND(0.370 J)
Iron	mg/kg	94,400 (IDWP)	21,100 (IDWP)	48,600 (IDWP)	26,600 (IDWP)	14,600 (IDWP)	16,200 (IDWP)	35,200 (IDWP)	14,600 (IDWP)
Lead	mg/kg	13.4	20.7	32.5	32.4	5.69	6.93	19.8	7.60
Magnesium	mg/kg	5,760 J	4,900 J	12,200	17,600	20,700	15,100	12,000	15,600
Manganese	mg/kg	954 (IDWP)	1,480 (IDWP)	887 (IDWP)	2,390 (IDWP IPSIC)	409	294	781 (IDWP)	525 (IDWP)
Mercury	mg/kg	ND(0.0707)	ND(0.0594)	0.111	0.0946	ND(0.0689 J)	ND(0.0658)	0.0989	ND(0.0743)
Nickel	mg/kg	26.4	14.5	36.2	32.8	18.1	16.8	26.4	16.3
Potassium	mg/kg	1,180	1,220	2,190	2,660	2,170	1,940	1,710	757
Selenium	mg/kg	4.58 J (IDWP)	ND(0.594 J)	ND(1.01 *)	ND(0.396 *)	ND(0.689 J*)	ND(1.32 *)	ND(0.957 *)	ND(0.743 *)
Silver	mg/kg	ND(1.41 J)	ND(0.594 J)	ND(1.01 J*)	ND(0.396 J*)	ND(0.689 J*)	ND(1.32 *)	ND(0.957 J*)	ND(0.743 J*)
Sodium	mg/kg	899	616	1,300	836	ND(689)	ND(658)	ND(957)	ND(743)
Thallium	mg/kg	ND(0.353)	ND(0.297)	ND(0.504)	ND(0.396)	ND(0.345)	ND(0.329 J)	ND(0.478)	ND(0.371)
Vanadium	mg/kg	ND(1.41)	10.3	23.4	32.7	24.1	23.8	19.8	17.8
Zinc	mg/kg	70.8	36.0	263	130	36.5	34.8	123	43.5

See Generic Notes in Table 14.

Table 13. Inorganic Constituents Detected in Sediment, REALM, Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

Sampling Area: Location ID: Sample Depth (ft BGS): Date Collected:	Units	Submarine Pond SD-46 3 - 4.5 06/15/95	Submarine Pond SD-47 0 - 1.5 06/15/95	Submarine Pond SD-47 1.5 - 3 06/15/95	Submarine Pond SD-48 0 - 1.3 06/15/95	Submarine Pond SD-48 1.3 - 2.6 06/15/95
Inorganics						
Aluminum	mg/kg	4,200	2,950	3,640	5,110	7,490 (IDWP)
Antimony	mg/kg	ND(0.670 J*)	ND(0.623 J*)	ND(0.668 J*)	ND(0.640 J*)	ND(0.670 J*)
Arsenic	mg/kg	ND(2.68 J)	4.06 J	3.98 J	2.84 J	6.33 J
Barium	mg/kg	41.4	35.8	41.4	47.7	76.8
Beryllium	mg/kg	ND(0.670)	ND(0.623)	ND(0.668)	ND(0.640)	ND(0.670)
Cadmium	mg/kg	0.0763	0.0723	0.0801	0.163	0.231
Calcium	mg/kg	58,100	28,400	46,400	40,300	61,500
Chromium Total	mg/kg	8.97	8.10	8.48	13.4	16.5
Cobalt	mg/kg	ND(6.70)	ND(6.23)	ND(6.68)	ND(6.40)	ND(6.70)
Copper	mg/kg	6.76	6.11	6.88	10.9 J	12.9 J
Cyanide (total)	mg/kg	ND(0.330 J)	ND(0.310 J)	ND(0.330 J)	ND(0.320 J)	ND(0.330 J)
Iron	mg/kg	8,160	8,530	8,770	12,000	13,400 (IDWP)
Lead	mg/kg	2.99	3.58	3.64	8.71	6.31
Magnesium	mg/kg	15,000	5,160	12,600	11,900	19,700
Manganese	mg/kg	318	248	293	387	554 (IDWP)
Mercury	mg/kg	ND(0.0670 J)	ND(0.0623 J)	ND(0.0668 J)	ND(0.0640)	ND(0.0670)
Nickel	mg/kg	10.2	7.79	9.08	13.6	17.5
Potassium	mg/kg	801	ND(623)	ND(668)	906	973
Selenium	mg/kg	ND(0.670 *)	ND(0.623 *)	ND(0.668 *)	ND(0.640 *)	ND(0.670 *)
Silver	mg/kg	ND(0.670 J*)	ND(0.623 *)	ND(0.668 J*)	ND(0.640 J*)	ND(0.670 J*)
Sodium	mg/kg	ND(670)	ND(623)	ND(668)	ND(640)	ND(670)
Thallium	mg/kg	ND(0.335)	ND(0.311)	ND(0.334)	ND(0.320)	ND(0.335 W)
Vanadium	mg/kg	12.0	8.29	10.1	12.7	18.9
Zinc	mg/kg	18.8	19.4	21.2	35.9	36.2

See Generic Notes in Table 14.

Table 14. Table Notes, REALM Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

General Notes:

Data for constituents detected in one or more sample are shown.
Duplicate results are presented in brackets.
Groundwater concentrations are presented in milligram per liter (mg/L), except where noted.
Total PCBs reported as the sum of PCB Aroclors.
Shaded and bolded cells represent constituent concentrations that exceed at least one of the listed Michigan Part 201 Criteria:

For Groundwater:

FE = Flammability and Explosivity Criteria
GAI = Groundwater Acute Inhalation Criteria
GCC = Groundwater Contact Criteria
IDW = Industrial Drinking Water criteria
IGVIA = Industrial Groundwater Volatilization to Indoor Air Inhalation Criteria

For Soil and Sediment:

GCCP = Groundwater Contact Protection Criteria
IDC = Industrial Direct Contact Criteria
IDWP = Industrial Drinking Water Protection Criteria
IPSIC = Industrial Particulate Soil Inhalation Criteria
ISVIA = Industrial Soil Volatilization to Indoor Air Criteria
IVSICI = Industrial Infinite Source Volatile Soil Inhalation Criteria

For Surface Water:

GCC = Groundwater Contact Criteria

MDEQ Criteria Qualifiers:

Inadequate data to develop criterion.
ID = Criterion or value is *not available* or, as is the case for Csat, *not applicable*.
NA = Hazardous substance is *not likely to volatilize* under most conditions.
NLV =
Criterion is the state of Michigan drinking water standard established pursuant to Section 5 of 1976 pa 399, mcl 325.1005.
(A) Background, as defined in R 299.5701(b), may be substituted if higher than the calculated cleanup criterion.
(B) Value presented is a screening level based on the chemical-specific generic soil saturation concentration since the calculated risk-based
(C) criterion is greater than Csat. Concentrations greater than Csat are acceptable cleanup criteria for this pathway where a site-specific demonstration indicates that free-phase material containing a hazardous substance is not present.
Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or 1.0E+9 parts per billion (ppb).
(D) Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and
(E) Environmental Protection Act, 1994 PA 451, as amended (NREPA). A notice of aesthetic impact may be employed as an institutional control mechanism if groundwater concentrations exceed the aesthetic drinking water criterion, but do not exceed the applicable health-based drinking water value provided in the following table:

Hazardous Substance	Chemical Abstract Service Number	Residential Health-Based Drinking Water Value (ug/L)	Industrial-Commercial Health-Based Drinking Water Value (ug/L)
Aluminum	7429905	300	4,100
tertiary Amyl methyl ether	994058	910	2,600
Copper	7440508	1,400	4,000
Diethyl ether	60297	3,700	10,000
Ethylbenzene	100414	700	700
Iron	7439896	2,000	5,600
Manganese	7439965	860	2,500
Methyl-tert-butyl ether (MTBE)	1634044	240	690
Toluene	108883	1,000	1,000
1,2,4-Trimethylbenzene	95636	1,000	2,900
1,3,5-Trimethylbenzene	108678	1,000	2,900
Xylenes	1330207	10,000	10,000

Table 14. Table Notes, REALM Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

MDEQ Criteria Qualifiers (continued):

Criterion is based on adverse impacts to plant life and phytotoxicity.

(F) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic

(G) value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg CaCO3/L, use 400 mg CaCO3/L for the FCV calculation. The FCV formula provides values in units of ug/L or ppb. The generic GSI criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of the 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

Hazardous Substance	FCV Formula (ug/L)	FCV Conversion Factor	WV (ug/L)	HNDV (ug/L)
Acetate	7.0362)	NA	NA	1.30E+06
Barium[x]	EXP(1.0629*(LnH)+1.1869)	NA	NA	1.60E+05
Beryllium	EXP(2.5279*(LnH)-10.7689)	NA	NA	1,200
Cadmium[x]	(EXP(0.7852*(LnH)-2.715))*CF	1.101672-((LnH)*(0.041838))	NA	130
Chromium (III)[x]	(EXP(0.819*(LnH)+0.6848))*CF	0.86	NA	9,400
Copper	(EXP(0.8545*(LnH)-1.702)) *CF	0.96	NA	64,000
Lead[x]	(EXP(1.273*(LnH)-3.296))*CF	1.46203-((LnH)*(0.14571))	NA	190
Manganese	EXP(0.8784*(LnH)+3.5199)	NA	NA	59,000
Nickel	(EXP(0.846*(LnH)+0.0584))*CF	0.997	NA	2.10E+05
Pentachlorophenol[x]	EXP(1.005*(pH)-5.134)	NA	NA	2.8
Zinc	(EXP(0.8473*(LnH)+0.884))*CF	0.986	NA	22,000

where,

[x] =The GSI criterion developed here may not be protective for surface water that is used as a drinking water source.

Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and

(H) Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/l. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001),

(I) Hazardous substance may be present in several isomer forms. Isomer-specific concentrations shall be added together for comparison to criteria.

(J) Hazardous substance may be flammable or explosive, or both.

(K) Criteria for lead are derived using a biologically based model, as allowed for under Section 20120a(10) of the NREPA, and are not calculated using

(L) the algorithms and assumptions specified in pathway-specific rules. The generic residential drinking water criterion of 4 ug/L is linked to the generic residential soil direct contact criterion of 400 mg/kg. A higher concentration in the drinking water, up to the state action level of 15 ug/L, may be allowed as a site-specific remedy and still allow for drinking water use, under Section 20120a(2) of the NREPA if soil concentrations are appropriately lower than 400 mg/kg. If a site-specific criterion is approved based on this subdivision, a notice shall be filed on the deed for all property where the groundwater concentrations will exceed 4 ug/L to provide notice of the potential for unacceptable risk if soil or groundwater concentrations increase. Acceptable combinations of site-specific soil and drinking water concentrations are presented in the following table:

Acceptable Combinations of Lead in Drinking Water and Soil

Drinking Water Concentration (ug/L)	Soil Concentration (mg/kg)
5	386-395
6	376-385
7	376-385
8	366-375
9	356-365
10	346-355
11	336-345
12	336-345
13	326-335
14	316-325
15	306-315

Table 14. Table Notes, REALM Green Point Landfill and Drum Remediation Area, Saginaw, Michigan

MDEQ Criteria Qualifiers (continued):

Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

(M) Amenable cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with all groundwater criteria.

(P) Total cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with soil criteria. Industrial-commercial direct contact criteria may not be protective of the potential for release of hydrogen cyanide gas. Additional land or resource use restrictions may be necessary to protect for the acute inhalation concerns associated with hydrogen cyanide gas.

Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.

(Q) Hazardous substance may exhibit the characteristic of reactivity as defined in 40 C.F.R. §261.23 (revised as of July 1, 2001)

(R) Criterion defaults to the hazardous substance-specific water solubility limit.

(S) Concentrations of trihalomethanes in groundwater shall be added together to determine compliance with the Michigan drinking water standard of

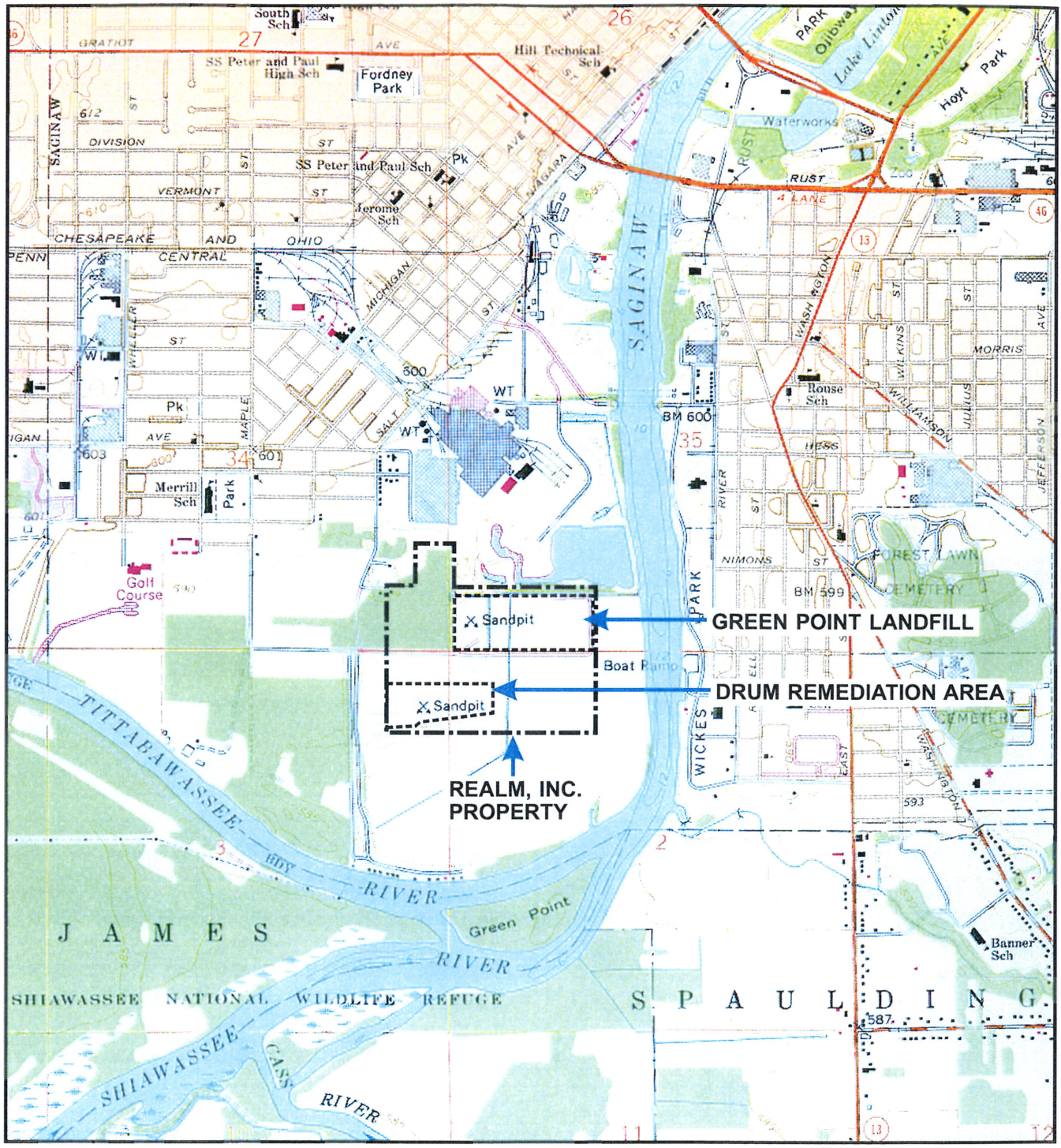
(W) 80 ug/L. Concentrations of trihalomethanes in soil shall be added together to determine compliance with the drinking water protection criterion of 1,600 ug/kg.

The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. For a

(X) groundwater discharge to the Great Lakes and their connecting waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV) listed in the table in this footnote, except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion shall be the lowest of the HDV, the WV, and the calculated FCV. see formulas in footnote (G). Soil protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk shall be the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

Hazardous Substance	Chemical Abstract Service Number	Surface Water Human Drinking Water Values (HDV) (ug/L)	Soil GSI Protection Criteria (HDV) (ug/L)
Acrylonitrile	107131	2.0 (M); 0.87	100 (M); 17
Alachlor	15972608	3.5	91
Antimony	7440360	2	1,400
Arsenic	7440382	50	23,000
Atrazine	1912249	4.3	86
Barium	7440393	1,900*	*
Benzene	71432	12	240
bis(2-Chloroethyl)ether	111444	1 (M); 0.79	100 (M); 20
Bromate	15541454	10 (M); 0.5	200 (M); 10
Butyl benzyl phthalate	85687	6.9	13,000
Cadmium	7440439	2.5*	*
Carbon tetrachloride	56235	5.6	110
Chloride	16887006	50,000	1.00E+06
Chloroform	67663	77	1,500
Chromium (III)	16065831	120*	*
Cyanazine	21725462	2 (M); 0.93	200 (M); 40
3,3'-Dichlorobenzidine	91941	0.3 (M); 0.14	2,000 (M); 7.7
1,2-Dichloroethane	107062	6	120
1,1-Dichloroethylene	75354	24	480
1,2-Dichloropropane	78875	9.1	180
N,N-Dimethylacetamide	127195	700	14,000
1,4-Dioxane	123911	34	680
Ethylene dibromide	106934	0.05 (M); 0.006	20 (M); 1.0
Ethylene glycol	107211	56,000	1.10E+06
Heptachlor	76448	0.01 (M); 0.0017	NLL
beta-Hexachlorocyclohexane	319857	0.024	20 (M)
Hexachloroethane	67721	5.3	310
Isophorone	78591	310	6,200
Isopropyl alcohol	67630	28,000	5.60E+05
Lead	7439921	14*	*
Manganese	7439965	3600	72,000
Methyl-tert-butyl ether (MTBE)	1634044	100	2,000
Methylene chloride	75092	47	940
Mirex	2385855	0.02 (M); 1.6E-5	NLL
Molybdenum	7439987	120	2,400
Nitrobenzene	98953	4.7	330 (M); 94
Pentachlorophenol	87865	1.8*	*
1,2,4,5-Tetrachlorobenzene	95943	2.8	3,300
1,1,1,2-Tetrachloroethane	630206	19	380
1,1,2,2-Tetrachloroethane	79345	3.2	64
Tetrachloroethylene	127184	11	220
Tetrahydrofuran	109999	350	7,000
Thallium	7440280	2.0 (M); 1.2	2,300
1,1,2-Trichloroethane	79005	12	240
Trichloroethylene	79016	29	580

{AA} = Comparison to these criteria may take into account an evaluation of whether the hazardous substances are adsorbed to particulates rather than dissolved in water and whether filtered groundwater samples were used to evaluate groundwater.

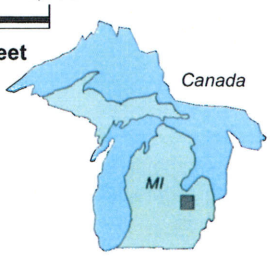


NOTES:

1. Base map source: USGS 7.5 Min. Topo. Quad., Saginaw, Mich. (1967, Photorevised 1973).
2. Locations of Green Point Landfill and Drum Remediation Area are approximate.
3. All property boundary lines are approximate.

2,000 0 2,000

APPROX. SCALE 1" = 2,000 Feet



Area Enlargement

REALM, INC.
GREEN POINT LANDFILL AND DRUM REMEDIATION AREA
SAGINAW, MICHIGAN

SITE LOCATION MAP

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE 1

07/19/07 SYR-D85-DJH
64434001/64434n02.CDR

SYR-85-DMW RCB GMS LAYER: ON=*, OFF=REF
G:\CAD\ACTIVE\-DWG\ACT\27608120\2007-DUE\27608B02.DWG SAVED: 7/20/2007 10:28 AM LAYOUT: Layout1 PAGESETUP: BP-PDF PENTABLE: PLTFULL.CTB PRINTED: 8/6/2007 11:05 AM BY: GSTOWELL
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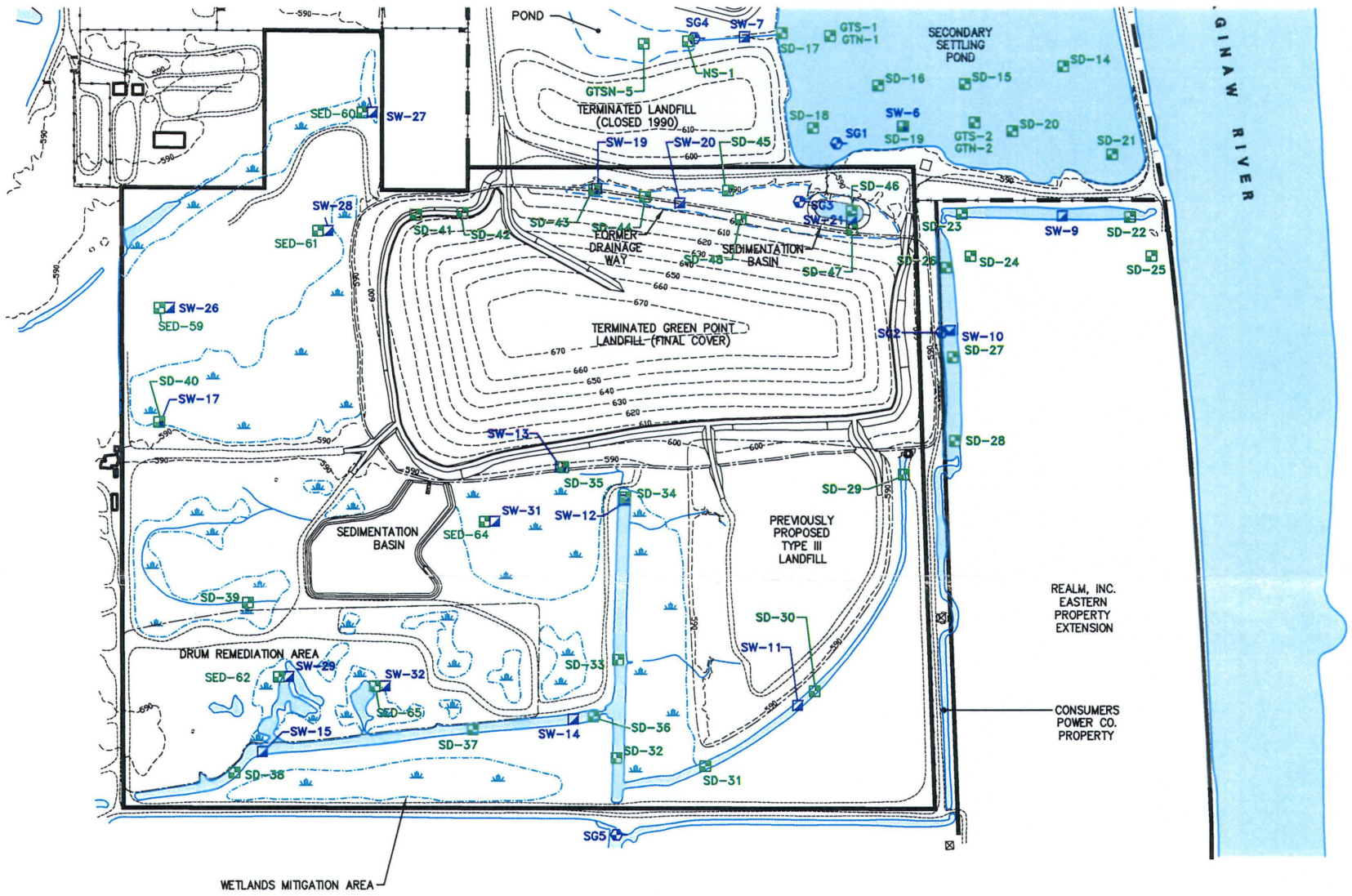
27608X01



LEGEND

- GM SAGINAW MALLEABLE IRON PLANT PROPERTY LINE (APPROX.)
- REALM, INC. PROPERTY LINE (APPROX.)
- UNPAVED ROAD
- GROUND SURFACE ELEVATION CONTOUR (10 FT INTERVAL)
- FENCE LINE
- SWAMPY AREA
- SD-38 SEDIMENT SAMPLE
- SG5 STAFF GAUGE
- SW-15 SURFACE WATER SAMPLE

NOTES:

1. THIS PHOTOGRAMMETRIC BASE MAP FOR THE GM SAGINAW MALLEABLE IRON PLANT AND DELPHI SAGINAW STEERING SYSTEMS PLANT 2 PROPERTIES WAS PREPARED BY LOCKWOOD MAPPING, INC. OF ROCHESTER, NEW YORK. AERIAL PHOTOGRAPHY WAS CONDUCTED ON 11/11/94. ORIGINAL LOCKWOOD MAP WAS AT A SCALE OF 1"=100' AND WAS INTERPRETED FOR TWO-FOOT CONTOURS.
2. SAMPLING LOCATIONS SURVEYED BY ATWELL-HICKS, INC. UTICA, MICHIGAN, FILE NO. M1014SU2, FILE DATE 3/22/96, REVISED 8/8/96. GEOTECHNICAL SEDIMENT LOCATIONS GTS-1 THROUGH GTS-4, GTN-1 THROUGH GTN-4, AND GTSN-5 WERE NOT SURVEYED AND ARE APPROXIMATE.
3. VERTICAL DATUM REFERENCED TO NGVD OF 1929, HORIZONTAL DATUM REFERENCED TO MICHIGAN SPC-NAD 1983.
4. BASE MAP HAS BEEN MODIFIED TO INCORPORATE BUFFER BASIN, SEDIMENTATION BASINS, WETLANDS MITIGATION AREA, AND GREEN POINT LANDFILL (GPL) FINAL COVER FROM THE FINAL ENGINEERING DESIGN REPORT PREPARED BY BBL FOR THE GPL, DATED JANUARY 1998.
5. PROPERTY BOUNDARY FOR REALM, INC, DIGITIZED FROM SPICER GROUP DRAWING NO. A-21854-1, DATED 3/27/98.
6. SURFACE WATER AND SEDIMENT LOCATIONS SW-26 THROUGH SW-32 AND SD-59 THROUGH SD-65 DIGITIZED FROM FIGURE PREPARED BY EXPONENT (BASED ON GLOBAL POSITIONING SYSTEM READINGS), DATED 9/18/00.

SCALE:
500' 0 500'

GREEN POINT LANDFILL
AND DRUM REMEDIATION AREA
SAGINAW, MICHIGAN

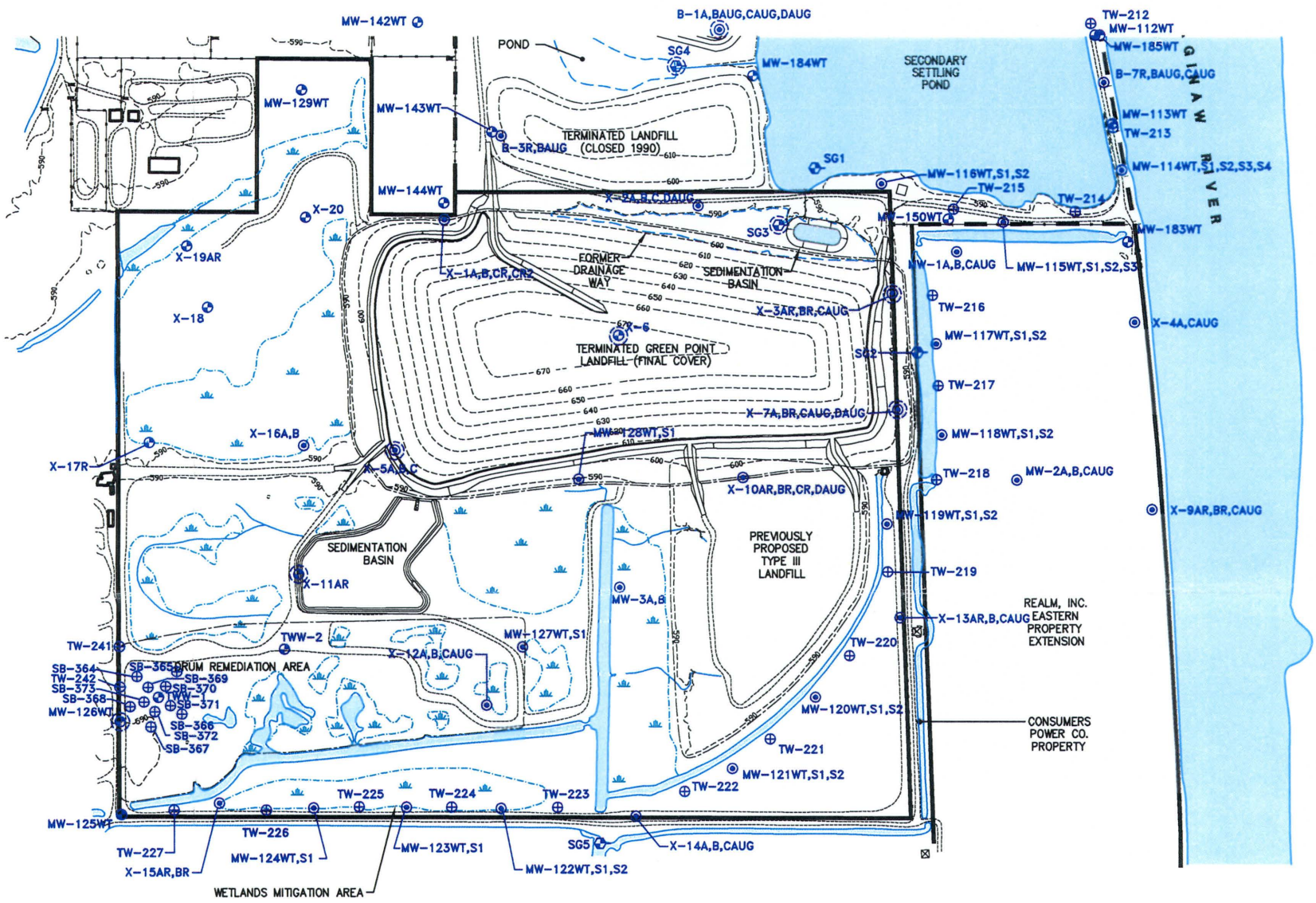
DUE CARE PLAN

SURFACE WATER AND SEDIMENT SAMPLING LOCATION MAP

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
2

SYR-85-DMW RCB GMS LAYER: ON=*, OFF=REF
G:\CAD\ACTIVE\-DWG\ACT\27608120\2007-DUE\27608B04.DWG SAVED: 8/6/2007 11:02 AM LAYOUT: Layout1 PAGESETUP: BP-PDF PENTABLE: PLTFULL.CTB PRINTED: 8/6/2007 11:03 AM BY: GSTOWELL
PROJECTNAME: ----
XREFS: IMAGES:
27608X01



LEGEND

- GM SAGINAW MALLEABLE IRON PLANT PROPERTY LINE (APPROX.)
- REALM, INC. PROPERTY LINE (APPROX.)
- UNPAVED ROAD
- GROUND SURFACE ELEVATION CONTOUR (10 FT INTERVAL)
- FENCE LINE
- SWAMPY AREA
- MW-4 — MONITORING WELL
- MW-102WT,S1 — MONITORING WELL CLUSTER
- SG5 — STAFF GAGE
- TW-242 — TEMPORARY MONITORING WELL
- TP-2 — PIEZOMETER
- RW-4 — RECOVERY WELL
- X-6 — ABANDONED MONITORING WELL
- SG3 — ABANDONED STAFF GAGE

NOTES:

1. THIS PHOTOGRAMMETRIC BASE MAP WAS PREPARED BY LOCKWOOD MAPPING, INC. OF ROCHESTER, NEW YORK. AERIAL PHOTOGRAPHY WAS CONDUCTED ON 11/11/94. ORIGINAL LOCKWOOD MAP WAS AT A SCALE OF 1"=100' AND WAS INTERPRETED FOR TWO-FOOT CONTOURS.
2. SAMPLING LOCATIONS SURVEYED BY ATWELL-HICKS, INC. UTICA, MICHIGAN, FILE NO. M1014SU2, FILE DATE 3/22/96, REVISED 8/8/96, OR SPICER GROUP.
3. VERTICAL DATUM REFERENCED TO NGVD OF 1929, HORIZONTAL DATUM REFERENCED TO MICHIGAN SPC-NAD 1983.
4. BASE MAP HAS BEEN MODIFIED TO INCORPORATE SEDIMENTATION BASINS, WETLANDS MITIGATION AREA, AND GREEN POINT LANDFILL (GPL) FINAL COVER FROM THE FINAL ENGINEERING DESIGN REPORT PREPARED BY BBL FOR THE GPL, DATED JANUARY, 1998.
5. PROPERTY BOUNDARY FOR REALM, INC. DIGITIZED FROM SPICER GROUP DRAWING NO. A-21854-1, DATED 3/27/98.
6. SOIL BORING LOCATIONS FOR SOUTHERN PROPERTY DIGITIZED FROM ECOLOGICAL RISK ASSESSMENT BY EXPONENT, DATED 9/18/00.

SCALE:
500' 0 500'

GREEN POINT LANDFILL
AND DRUM REMEDIATION AREA
SAGINAW, MICHIGAN

DUE CARE PLAN

MONITORING WELL AND TEMPORARY WELL LOCATION MAP

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
3

X: 93002X02.DWG
L: ON=*, OFF=*REF*
P: PAGESET/BP (PLTHALF.CTB)
5/21/04 SYR-54-DMW RCB
27608090/DUEC/27608B01.DWG

SYR-85-DMW RCB GMS LAYER: ON=*, OFF=REF
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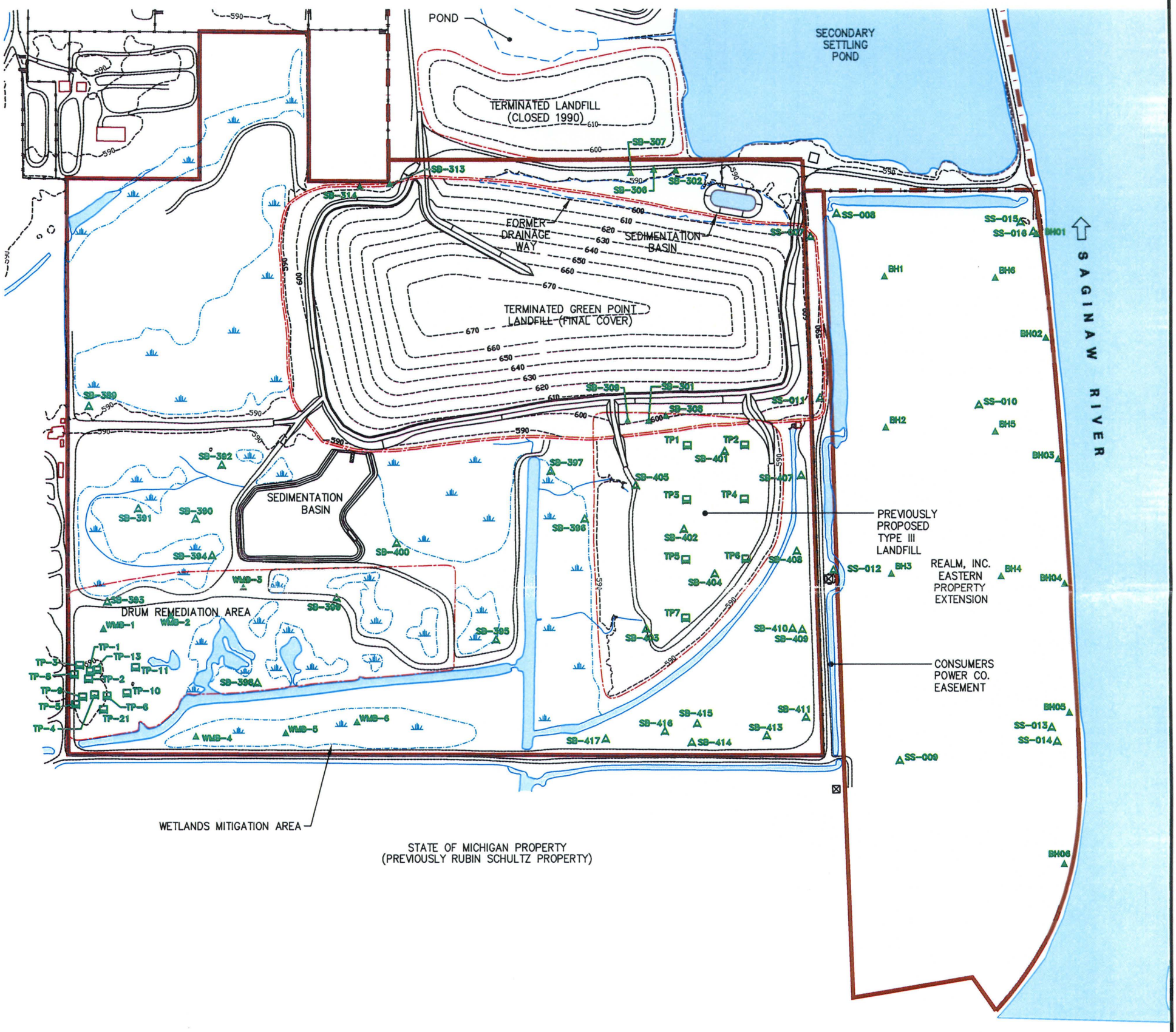


LEGEND

- GM SAGINAW MALLEABLE IRON PLANT PROPERTY LINE (APPROX.)
- REALM, INC. PROPERTY LINE (APPROX.)
- UNPAVED ROAD
- GROUND SURFACE ELEVATION CONTOUR (10 FT INTERVAL)
- FENCE LINE
- SWAMPY AREA
- SB-318 SOIL BORING
- RS-3 SURFACE SOIL SAMPLE
- TP-10 TEST PIT

NOTES:

1. THIS PHOTOGRAMMETRIC BASE MAP FOR THE GM SAGINAW MALLEABLE IRON PLANT AND GM DELPHI SAGINAW STEERING SYSTEMS PLANT 2 PROPERTIES WAS PREPARED BY LOCKWOOD MAPPING, INC. OF ROCHESTER, NEW YORK. AERIAL PHOTOGRAPHY WAS CONDUCTED ON 11/11/94. ORIGINAL LOCKWOOD MAP WAS AT A SCALE OF 1"=100' AND WAS INTERPRETED FOR TWO-FOOT CONTOURS.
2. SAMPLING LOCATIONS SURVEYED BY ATWELL-HICKS, INC. UTICA, MICHIGAN, FILE NO. M1014SU2, FILE DATE 3/22/96, REVISED 8/8/96. TEST PIT LOCATIONS TP-1 THROUGH TP-7 (LOCATED IN THE PREVIOUSLY PROPOSED TYPE III LANDFILL) WERE NOT SURVEYED AND ARE APPROXIMATE.
3. VERTICAL DATUM REFERENCED TO NGVD OF 1929, HORIZONTAL DATUM REFERENCED TO MICHIGAN SPC-NAD 1983.
4. BASE MAP HAS BEEN MODIFIED TO INCORPORATE BUFFER BASIN, SEDIMENTATION BASINS, WETLANDS MITIGATION AREA, AND GREEN POINT LANDFILL (GPL) FINAL COVER FROM THE FINAL ENGINEERING DESIGN REPORT PREPARED BY BBL FOR THE GPL, DATED JANUARY 1998.
5. PROPERTY BOUNDARY FOR REALM, INC, DIGITIZED FROM SPICER GROUP DRAWING NO. A-21854-1, DATED 3/27/98.
6. THE LOCATIONS OF BH1-BH6 WERE DIGITIZED FROM FIELD MAP PREPARED BY CRA AND WERE NOT SURVEYED.

0 400' 800'

GRAPHIC SCALE

REALM, INC.
GREEN POINT LANDFILL
AND DRUM REMEDIATION AREA
SAGINAW, MICHIGAN
DUE CARE PLAN

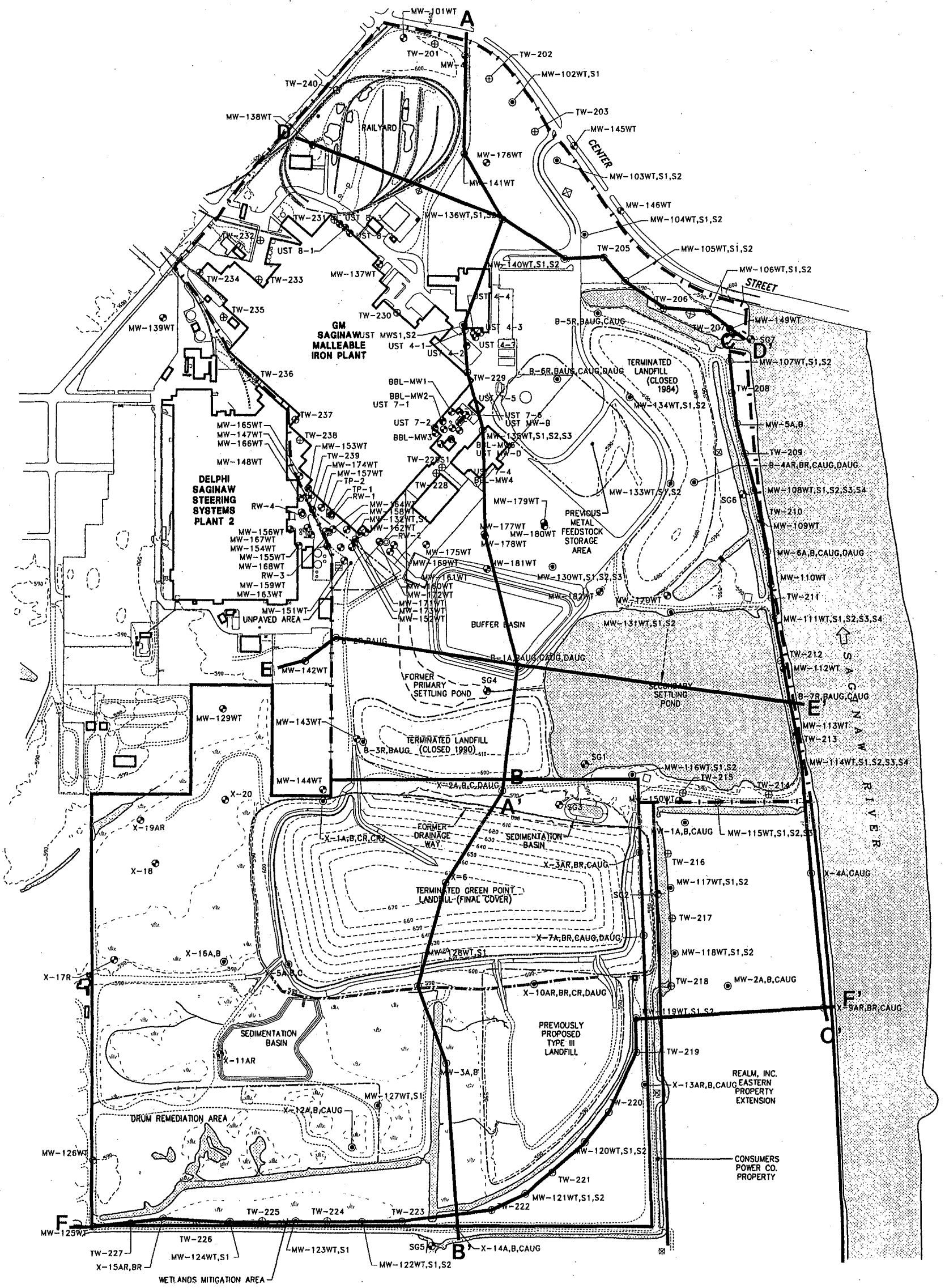
SOIL BORING AND SURFACE SOIL SAMPLING LOCATION MAP

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
4

Appendix A

Cross-Sections, and Water Table and Potentiometric Surface Groundwater Contour Maps



LEGEND

- GM SAGINAW MALLEABLE IRON PLANT PROPERTY LINE (APPROX.)
- REALM, INC. PROPERTY LINE (APPROX.)
- UNPAVED ROAD
- GROUND SURFACE ELEVATION CONTOUR (10 FT INTERVAL)
- FENCE LINE
- SWAMPY AREA
- MW-4 — MONITORING WELL
- MW-102WT,S1 — MONITORING WELL CLUSTER
- TW-203 — TEMPORARY MONITORING WELL
- SG5 — STAFF GAUGE
- TP-2 — PIEZOMETER
- RW-4 — RECOVERY WELL
- X-11AR — ABANDONED MONITORING WELL
- A——A' — CROSS SECTION LOCATION

NOTES:

1. THIS PHOTOGRAMMETRIC BASE MAP FOR THE GM SAGINAW MALLEABLE IRON PLANT AND DELPHI SAGINAW STEERING SYSTEMS PLANT 2 PROPERTIES WAS PREPARED BY LOCKWOOD MAPPING, INC. OF ROCHESTER, NEW YORK. AERIAL PHOTOGRAPHY WAS CONDUCTED ON 11/11/94. ORIGINAL LOCKWOOD MAP WAS AT A SCALE OF 1"=100' AND WAS INTERPRETED FOR TWO-FOOT CONTOURS.
2. SAMPLING LOCATIONS SURVEYED BY ATWELL-HICKS, INC. UTICA, MICHIGAN, FILE NO. M1014SU2, FILE DATE 3/22/96, REVISED 8/8/96, OR SPICER GROUP.
3. VERTICAL DATUM REFERENCED TO NGVD OF 1929, HORIZONTAL DATUM REFERENCED TO MICHIGAN SPC-NAD 1983.
4. BASE MAP HAS BEEN MODIFIED TO INCORPORATE BUFFER BASIN, SEDIMENTATION BASINS, WETLANDS MITIGATION AREA, AND GREEN POINT LANDFILL (GPL) FINAL COVER FROM THE FINAL ENGINEERING DESIGN REPORT PREPARED BY BBL FOR THE GPL, DATED JANUARY 1998.
5. PROPERTY BOUNDARY FOR REALM, INC. DIGITIZED FROM SPICER GROUP DRAWING NO. A-21854-1, DATED 3/27/98.

SCALE:
500' 0 500'

SAGINAW MALLEABLE IRON PLANT PROPERTY,
GREEN POINT LANDFILL,
AND DRUM REMEDIATION AREA
SAGINAW, MICHIGAN

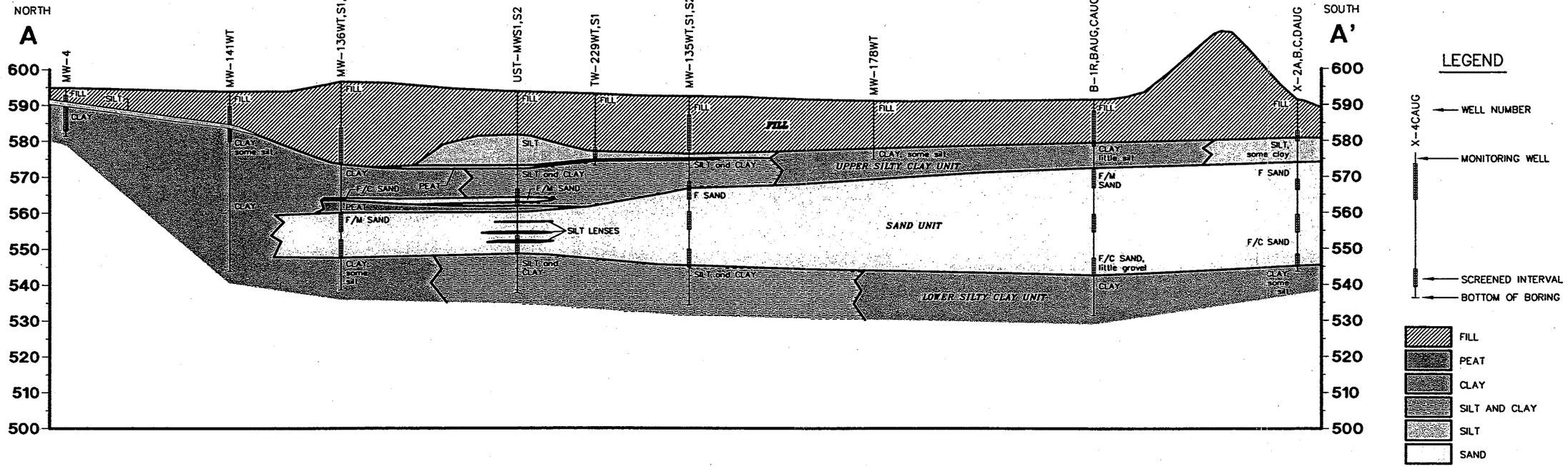
REMEDIAL INVESTIGATION

CROSS SECTION LOCATION MAP

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 3-1

X: 27608X01.DWG
L: ON=*, OFF=REF
P: HP-BLGM.PCP
11/9/00 SYR-54-GMS
27608090/SMI-RI/27608G01.DWG



LEGEND

X-4CAUG — WELL NUMBER

MONITORING WELL

SCREENED INTERVAL

BOTTOM OF BORING

- FILL
- PEAT
- CLAY
- SILT AND CLAY
- SILT
- SAND

NOTES:

1. GEOLOGIC INTERPRETATION DEVELOPED BY BBL, INC. USING DATA FROM SITEWIDE RI/FS.
2. ALL ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL (AMSL) RELATIVE TO NGVD OF 1929.
3. F, M, C = FINE, MEDIUM, COARSE.

HORIZONTAL SCALE:

300' 0 300'

SAGINAW MALLEABLE IRON PLANT PROPERTY,
GREEN POINT LANDFILL,
AND DRUM REMEDIATION AREA
SAGINAW, MICHIGAN

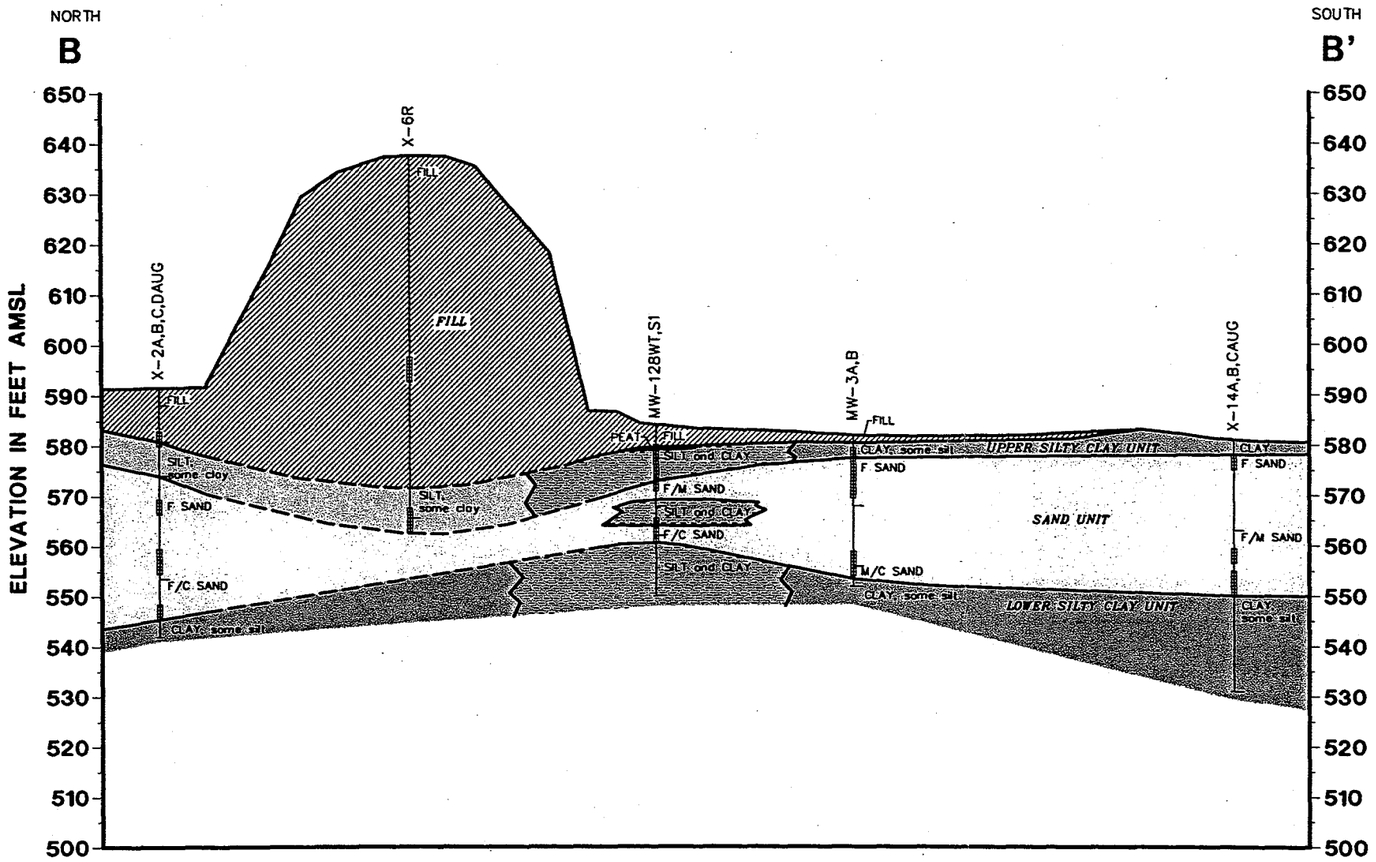
REMEDIAL INVESTIGATION

GEOLOGIC CROSS SECTION A-A'

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 3-2

L: ON=*, OFF=REF
P: STD-PCP/BL_PCP
11/10/00 SYR-54-GMS RCA
27608090/SMI-RI/27608V01.DWG



LEGEND

X-4CAUG — WELL NUMBER

MONITORING WELL

SCREENED INTERVAL

BOTTOM OF BORING

- FILL
- PEAT
- CLAY
- SILT AND CLAY
- SILT
- SAND

HORIZONTAL SCALE:

300' 0 300'

NOTES:

1. GEOLOGIC INTERPRETATION DEVELOPED BY BBL, INC. USING DATA FROM SITEWIDE RI/FS.
2. ALL ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL (AMSL) RELATIVE TO NGVD OF 1929.
3. F, M, C = FINE, MEDIUM, COARSE.
4. TEMPORARY WELLS NOT SHOWN.

SAGINAW MALLEABLE IRON PLANT PROPERTY,
GREEN POINT LANDFILL,
AND DRUM REMEDIATION AREA
SAGINAW, MICHIGAN

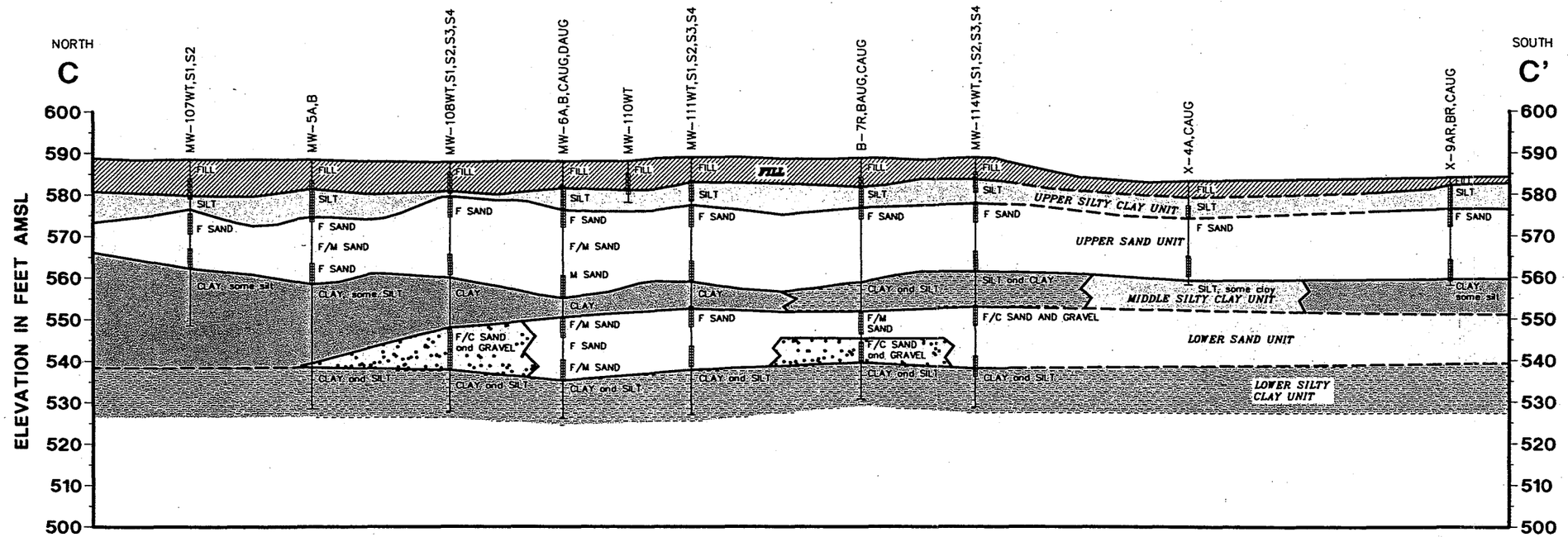
REMEDIAL INVESTIGATION

GEOLOGIC CROSS SECTION B-B'

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 3-3

L: ON=*, OFF=REF
P: STD-PCP/BL_PCP
11/10/00 SYR-54-GMS RCA
27608090/SMI-RI/27608V02.DWG



LEGEND

X-4A,CAUG — WELL NUMBER

MONITORING WELL

SCREENED INTERVAL

BOTTOM OF BORING

- FILL
- CLAY
- SILT AND CLAY
- SILT
- SAND
- SAND AND GRAVEL

NOTES:

1. GEOLOGIC INTERPRETATION DEVELOPED BY BBL, INC. USING DATA FROM SITEWIDE RI/FS.
2. ALL ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL (AMSL) RELATIVE TO NGVD OF 1929.
3. F, M, C = FINE, MEDIUM, COARSE.
4. TEMPORARY WELLS NOT SHOWN.

HORIZONTAL SCALE:

300' 0 300'

SAGINAW MALLEABLE IRON PLANT PROPERTY,
GREEN POINT LANDFILL,
AND DRUM REMEDIATION AREA
SAGINAW, MICHIGAN

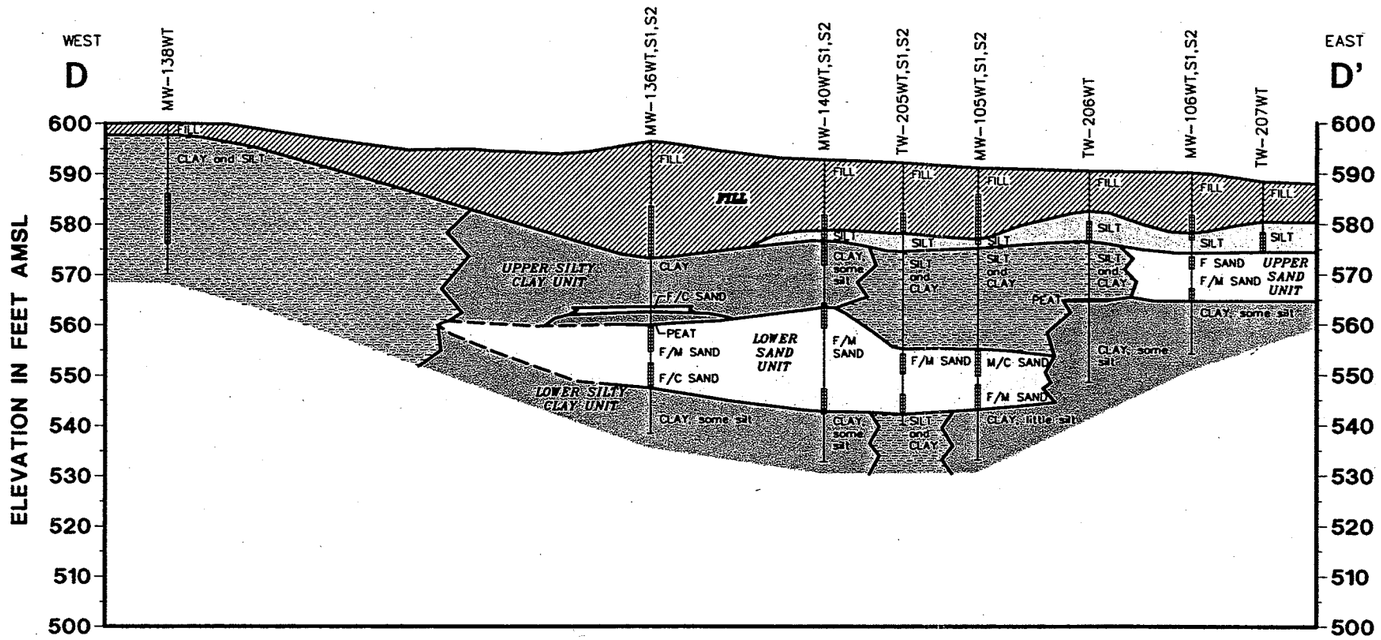
REMEDIAL INVESTIGATION

GEOLOGIC CROSS SECTION C-C'

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 3-4

L: ON=*, OFF=REF
P: STD BL.PCP
11/10/00 SYR-54-GMS RCA
27608090/SMI-RI/27608V03.DWG



LEGEND

X-4CAUG — WELL NUMBER

MONITORING WELL

SCREENED INTERVAL

BOTTOM OF BORING

- FILL
- PEAT
- CLAY
- SILT AND CLAY
- SILT
- SAND

NOTES:

1. GEOLOGIC INTERPRETATION DEVELOPED BY BBL, INC. USING DATA FROM SITEWIDE RI/FS.
2. ALL ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL (AMSL) RELATIVE TO NGVD OF 1929.
3. F, M, C = FINE, MEDIUM, COARSE.

HORIZONTAL SCALE:

300' 0 300'

SAGINAW MALLEABLE IRON PLANT PROPERTY,
GREEN POINT LANDFILL,
AND DRUM REMEDIATION AREA
SAGINAW, MICHIGAN

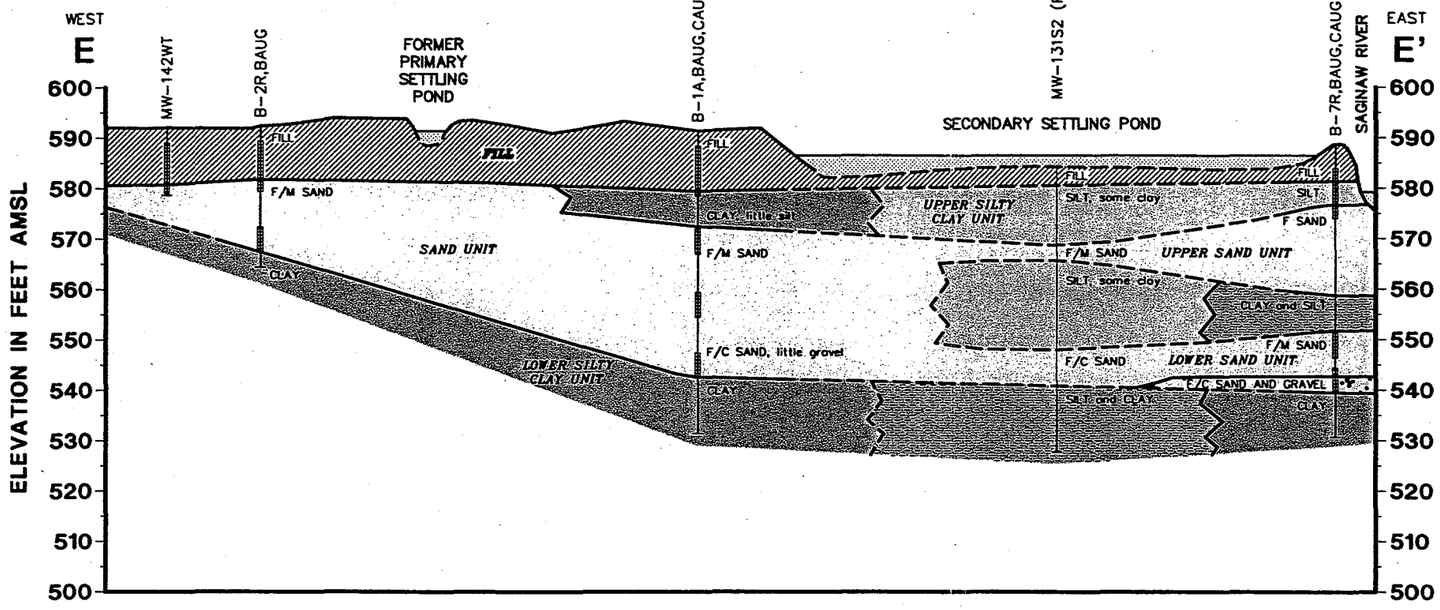
REMEDIAL INVESTIGATION

GEOLOGIC CROSS SECTION D-D'

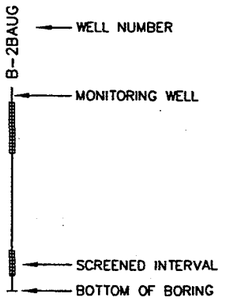
BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 3-5

L: ON=*, OFF=REF
P: STD-PCP/BL_PCP
11/10/00 SYR-54-GMS RCA
27608090/SMI-RI/27608V04.DWG



LEGEND



- FILL
- CLAY
- SILT AND CLAY
- SILT
- SAND
- SAND AND GRAVEL

HORIZONTAL SCALE:

300' 0 300'

NOTES:

1. GEOLOGIC INTERPRETATION DEVELOPED BY BBL, INC. USING DATA FROM SITEWIDE RI/FS.
2. ALL ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL (AMSL) RELATIVE TO NGVD OF 1929.
3. F, M, C = FINE, MEDIUM, COARSE.

SAGINAW MALLEABLE IRON PLANT PROPERTY,
GREEN POINT LANDFILL,
AND DRUM REMEDIATION AREA
SAGINAW, MICHIGAN

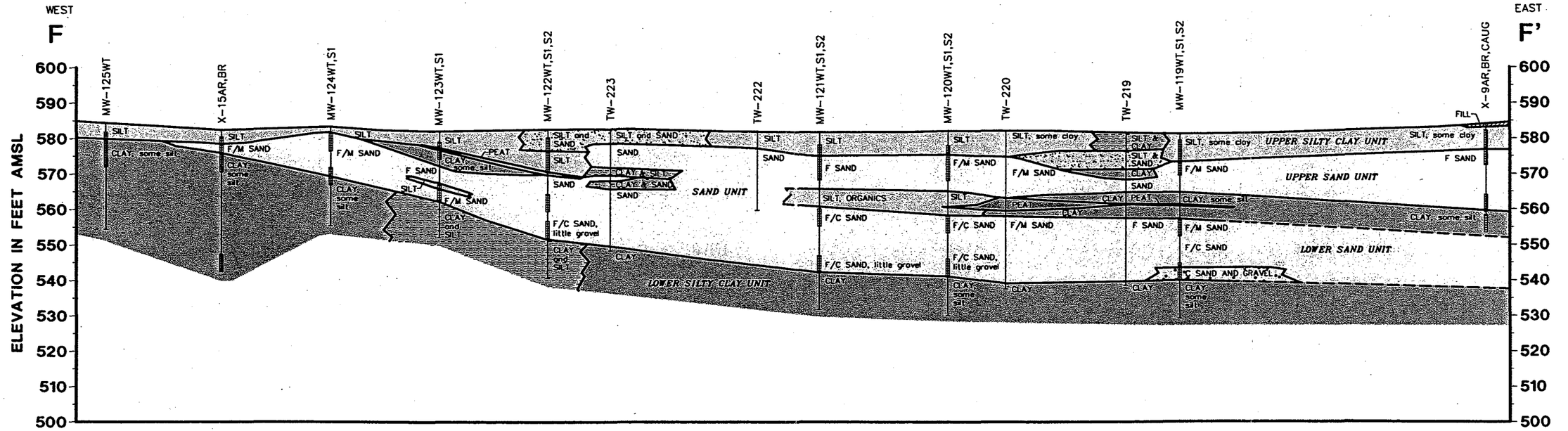
REMEDIAL INVESTIGATION

GEOLOGIC CROSS SECTION E-E'

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 3-6

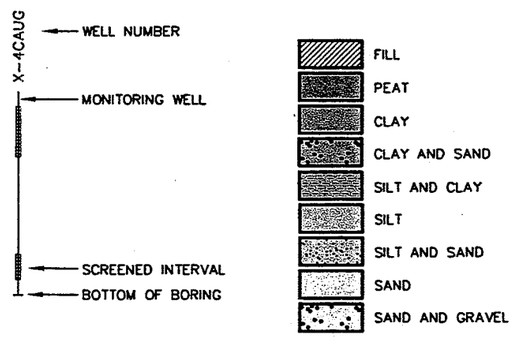
L: ON=*, OFF=REF
P: STD-PCP/BL_PCP
11/10/00 SYR-54-GMS RCA
27608090/SMI-RI/27608V05.DWG



NOTES:

1. GEOLOGIC INTERPRETATION DEVELOPED BY BBL, INC. USING DATA FROM SITEWIDE RI/FS.
2. ALL ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL (AMSL) RELATIVE TO NGVD OF 1929.
3. F, M, C = FINE, MEDIUM, COARSE.

LEGEND



HORIZONTAL SCALE:
300' 0 300'

SAGINAW MALLEABLE IRON PLANT PROPERTY,
GREEN POINT LANDFILL,
AND DRUM REMEDIATION AREA
SAGINAW, MICHIGAN

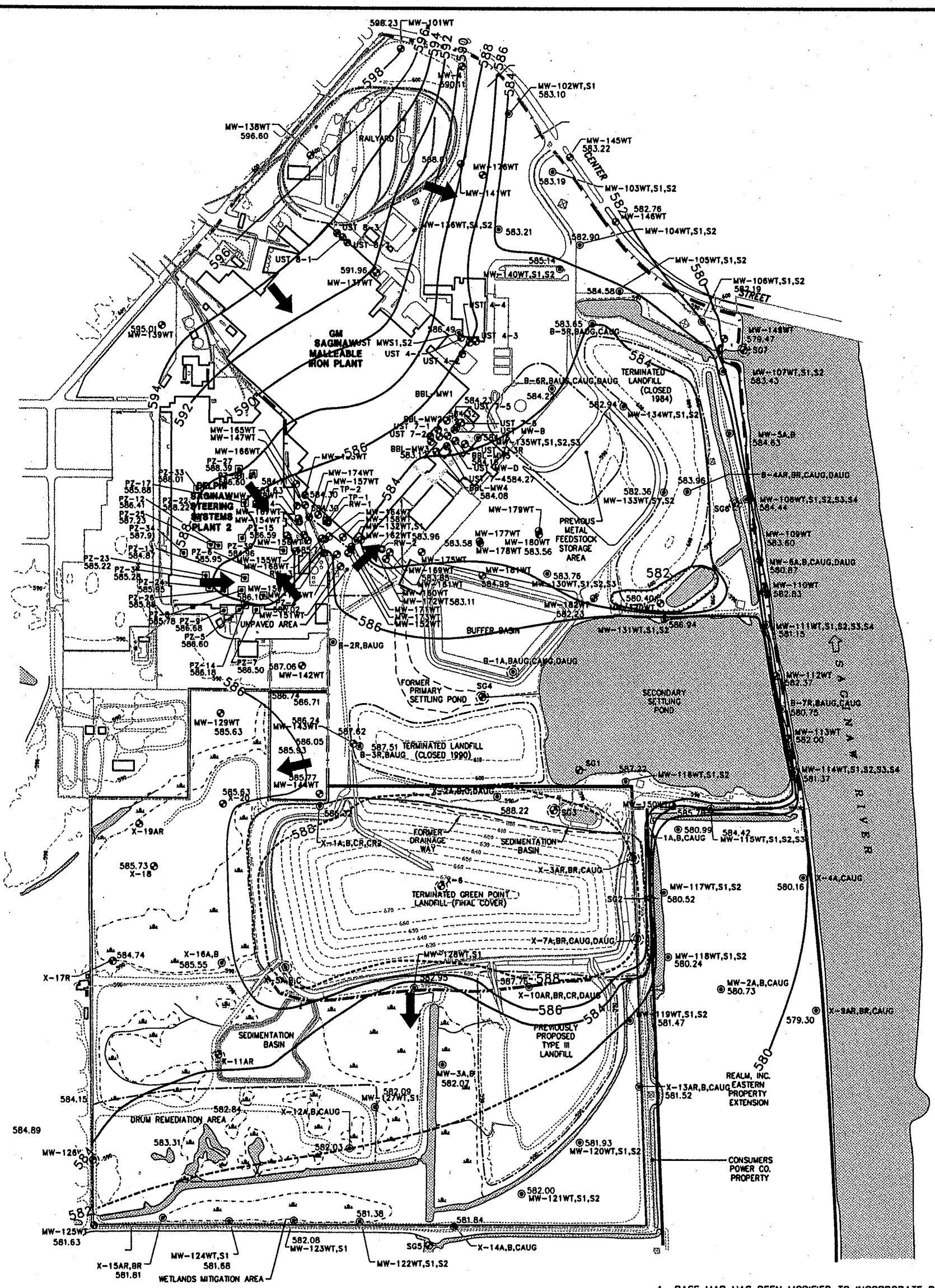
REMEDIAL INVESTIGATION

GEOLOGIC CROSS SECTION F-F'

BBL BLASLAND, BOUCK & LEE, INC. *engineers & scientists*

FIGURE 3-7

L: ON=*, OFF=REF
P: STD-PCP/BL.PCP
11/10/00 SYR-54-GMS RCA
27608090/SMI-RI/27608V06.DWG



LEGEND

- GM SAGINAW MALLEABLE IRON PLANT PROPERTY LINE (APPROX.)
- REALM, INC. PROPERTY LINE (APPROX.)
- UNPAVED ROAD
- GROUND SURFACE ELEVATION CONTOUR (10 FT INTERVAL)
- FENCE LINE
- SWAMPY AREA
- MW-4 — MONITORING WELL
- MW-102WT,S1 — MONITORING WELL CLUSTER
- SG5 — STAFF GAGE
- TP-2 — PIEZOMETER
- RW-4 — RECOVERY WELL
- X-6 — ABANDONED MONITORING WELL
- SG3 — ABANDONED STAFF GAGE
- 582.88 — GROUNDWATER ELEVATION (FEET AMSL)
- 582 — GROUNDWATER ELEVATION CONTOUR LINE (FEET AMSL), DASHED WHERE INFERRED
- GROUNDWATER FLOW DIRECTION

NOTES:

1. THIS PHOTOGRAMMETRIC BASE MAP FOR THE GM SAGINAW MALLEABLE IRON PLANT AND DELPHI SAGINAW STEERING SYSTEMS PLANT 2 PROPERTIES WAS PREPARED BY LOCKWOOD MAPPING, INC. OF ROCHESTER, NEW YORK. AERIAL PHOTOGRAPHY WAS CONDUCTED ON 11/11/94. ORIGINAL LOCKWOOD MAP WAS AT A SCALE OF 1"=100' AND WAS INTERPRETED FOR TWO-FOOT CONTOURS.
2. SAMPLING LOCATIONS SURVEYED BY ATWELL-HICKS, INC. UTICA, MICHIGAN, FILE NO. M1014SU2, FILE DATE 3/22/96, REVISED 8/8/96, OR SPICER GROUP.
3. VERTICAL DATUM REFERENCED TO NGVD OF 1929, HORIZONTAL DATUM REFERENCED TO MICHIGAN SPC-NAD 1983.
4. BASE MAP HAS BEEN MODIFIED TO INCORPORATE BUFFER BASIN, SEDIMENTATION BASINS, WETLANDS MITIGATION AREA, AND GREEN POINT LANDFILL (GPL) FINAL COVER FROM THE FINAL ENGINEERING DESIGN REPORT PREPARED BY BBL FOR THE GPL, DATED JANUARY 1998.
5. PROPERTY BOUNDARY FOR REALM, INC. DIGITIZED FROM SPICER GROUP DRAWING NO. A-21854-1, DATED 3/27/98.

SCALE:

500' 0 500'

L: ON= • OFF= •REF•
X: 27608XX1.DWG
P: 27608W01, BTDW01.PCP
11/8/00 SYR-54-DMW RCB RCA
27608090/SMI-RI/27608W01.DWG

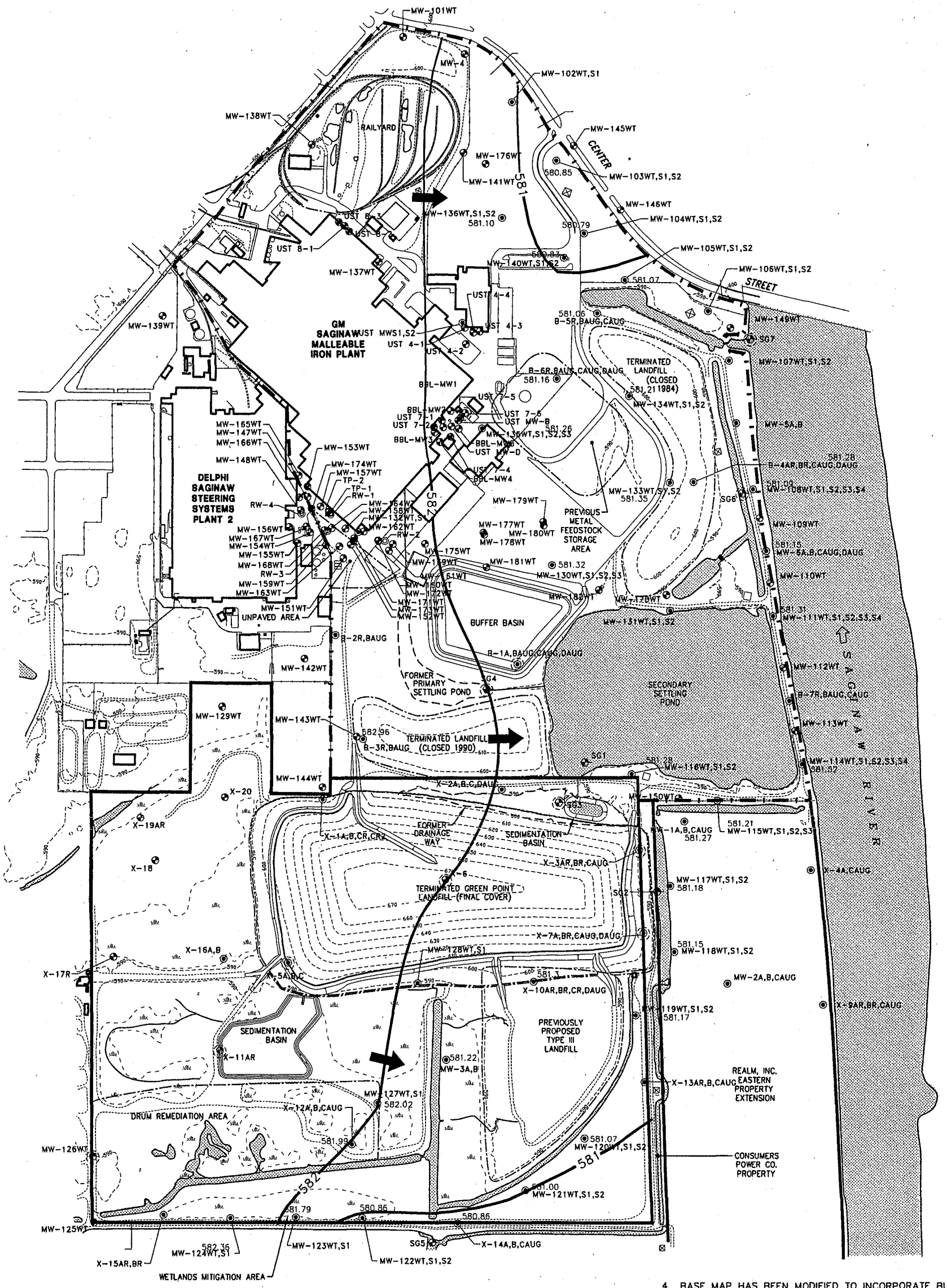
SAGINAW MALLEABLE IRON PLANT PROPERTY,
GREEN POINT LANDFILL,
AND DRUM REMEDIATION AREA
SAGINAW, MICHIGAN

REMEDIAL INVESTIGATION

WATER TABLE ELEVATION CONTOUR MAP - MAY 16, 2000

BBL BLASLAND, BOUCK & LEE, INC. *engineers & scientists*

FIGURE 3-14



LEGEND

- GM SAGINAW MALLEABLE IRON PLANT PROPERTY LINE (APPROX.)
- REALM, INC. PROPERTY LINE (APPROX.)
- UNPAVED ROAD
- GROUND SURFACE ELEVATION CONTOUR (10 FT INTERVAL)
- FENCE LINE
- SWAMPY AREA
- MW-4 — MONITORING WELL
- MW-102WT,S1 — MONITORING WELL CLUSTER
- SG5 — STAFF GAGE
- TP-2 — PIEZOMETER
- RW-4 — RECOVERY WELL
- X-6 — ABANDONED MONITORING WELL
- SG3 — ABANDONED STAFF GAGE
- 582.96 — POTENTIOMETRIC SURFACE ELEVATION (FEET AMSL)
- 578 — POTENTIOMETRIC SURFACE ELEVATION CONTOUR LINE (FEET AMSL), DASHED WHERE INFERRED
- GROUNDWATER FLOW DIRECTION

NOTES:

1. THIS PHOTOGRAMMETRIC BASE MAP FOR THE GM SAGINAW MALLEABLE IRON PLANT AND DELPHI SAGINAW STEERING SYSTEMS PLANT 2 PROPERTIES WAS PREPARED BY LOCKWOOD MAPPING, INC. OF ROCHESTER, NEW YORK. AERIAL PHOTOGRAPHY WAS CONDUCTED ON 11/11/94. ORIGINAL LOCKWOOD MAP WAS AT A SCALE OF 1"=100' AND WAS INTERPRETED FOR TWO-FOOT CONTOURS.
2. SAMPLING LOCATIONS SURVEYED BY ATWELL-HICKS, INC. UTICA, MICHIGAN, FILE NO. M1014SU2, FILE DATE 3/22/96, REVISED 8/8/96, OR SPICER GROUP.
3. VERTICAL DATUM REFERENCED TO NGVD OF 1929, HORIZONTAL DATUM REFERENCED TO MICHIGAN SPC-NAD 1983.
4. BASE MAP HAS BEEN MODIFIED TO INCORPORATE BUFFER BASIN, SEDIMENTATION BASINS, WETLANDS MITIGATION AREA, AND GREEN POINT LANDFILL (GPL) FINAL COVER FROM THE FINAL ENGINEERING DESIGN REPORT PREPARED BY BBL FOR THE GPL, DATED JANUARY 1998.
5. PROPERTY BOUNDARY FOR REALM, INC, DIGITIZED FROM SPICER GROUP DRAWING NO. A-21854-1, DATED 3/27/98.

SCALE: 500' 0 500'

X: 27608X01.DWG
L: ON=*, OFF=*REF*, |B-AREA-FILL
P: HP-BLGM.PCP
11/8/00 SYR-54-DMW PGL GMS
27608090/SMI-RI/27608W02.DWG

SAGINAW MALLEABLE IRON PLANT PROPERTY,
GREEN POINT LANDFILL,
AND DRUM REMEDIATION AREA
SAGINAW, MICHIGAN

REMEDIAL INVESTIGATION

POTENTIOMETRIC SURFACE ELEVATION CONTOURS FOR LOWER SAND UNIT - MAY 16, 2000

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 3-18

Appendix B

Notice of Migration of Contamination

Worldwide Facilities Group
Remediation Team

Transmitted Via FedEx and Facsimile

September 18, 2003

Remediation and Redevelopment Division
Saginaw Bay District Office
Michigan Department of Environmental Quality
503 N. Euclid Ave., Suite 1
Bay City, MI 48706-2965

Re: Form 4482; Notice of Migration of Contamination
General Motors Corporation Saginaw Malleable Iron Plant Property, Saginaw, Michigan

Dear MDEQ Representative,

The General Motors Corporation (GM), hereby provides a completed form EQP 4482 to advise you of contaminant migration pursuant to Part 201 of Act 451. Although the information provided is sufficient to satisfy obligations pursuant to both R 299.5522 and R 299.51017, provision of this information does not indicate that REALM admits to being subject to MCL 324.20114 for conditions at this location.

For additional information regarding this submittal or conditions at this location please contact me at 248-680-5219.

Sincerely,

Cheryl R. Hiatt

Cheryl R. Hiatt
Senior Environmental Engineer
General Motors Corporation

cc: Edward Peterson, GM
Anthony Thrubis,GM

Troy Tech Park South 1996 Technology Drive •Mail Code 483-619-356 • Troy, MI 48083 • FAX (248) 680-5129

bcc: Lisa Coffey, Blasland, Bouck & Lee, Inc.

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIATION AND REDEVELOPMENT DIVISION

For DEQ Use Only
ITS # _____
Site ID #_____
Category Code: _____

NOTICE OF MIGRATION OF CONTAMINATION

(Under the authority of Part 201, Natural Resources and Environmental Protection Act, 1994 Act 451, as amended, (NREPA) and the Rules promulgated thereunder)

An owner or operator of property that is a facility, and/or who is subject to MCL 324.20114, and who has reason to believe that a hazardous substance is emanating from, has emanated from, or is likely to be emanating from the property and migrating beyond the boundaries of the property that he or she owns or operates is required under R 299.5522 and R 299.51017(1) to notify the Michigan Department of Environmental Quality ("DEQ") and affected property owners, unless he or she is exempt from MCL 324.20107a (see MCL 324.20107a(4) for exemptions), or unless he or she has provided the notice required by MCL 324.21309a.

The notice must be provided within 45 days after the owner or operator has reason to believe that hazardous substances have migrated, or are likely to have migrated, to or beyond the boundary of his or her property (see R 299.51017 and R 299.5522 for exceptions). If a person is required to provide additional notice as a result of the changes in R 299.51017 that took effect on December 21, 2002, then that additional notice shall be provided not later than September 21, 2003.

Use of this form is mandatory for the notice required by R 299.51017(1) and may also be used by parties subject to MCL 324.20114 to provide notice required by R 299.5522. This form may also be used to provide notice to affected property owners as required by those rules.

If a person holds a permit for an oil and gas well under Part 615, Supervisor of Wells, of the NREPA and there is a release from the oil and gas exploration or production activities, that person shall give notice to the DEQ and to the owner of the surface rights of the property.

If a person holds an easement and there is a release from the easement holder's activities, that person shall provide notice to the DEQ and to the grantor of the easement, or the grantor's successor in interest, if any.

Completing this notice in no way relieves a person who is subject to MCL 324.20114 from the responsibility to undertake required response activities.

This notice must be sent to the DEQ office that serves the county in which the property is located. A list of DEQ offices is attached. The DEQ will not prepare acknowledgement of receipt of these notices. The sender is responsible for sending the report using a method that provides proof of delivery if such proof is desired. Please label the outside of the envelope "Migration Notice."

THIS NOTICE IS PROVIDED PURSUANT TO: **R 299.5522** ☒ **R 299.51017** ☒
(check both, if applicable)

Please provide the following information as completely as possible.

1. Name and location of the property that hazardous substances are emanating from:

   Name: General Motors
   Address: 77 W. Center Street
   Location: Saginaw Malleable Iron Plant
   City/County: Saginaw, Saginaw, County
   Refer to Figures 1 and 2)

2. Status relative to the property:
   (Check one or both, as applicable.)

   Owner ☒
   Operator ☐

Please provide any additional ID numbers associated with the property (e.g., EPA ID No., BEA No., etc.)

Tax ID: 19 2232 00000

3. Name, address and telephone number of the property owner or operator submitting the notice:
   Name:
   Address:
   City/State:
   Telephone number:

4. Name, address and telephone number of a contact person familiar with the content of the notice:
   Name:
   Address:
   City/State:
   Telephone:

5. If this Notice is provided pursuant to R 299.51017, provide the address and other location information for the *adjacent* property onto which contamination has migrated. If this Notice is provided pursuant to R 299.5522, provide the address and other location information for *each* property onto which contamination has migrated.

   Address: Delphi Automotive Systems LLC
   PO Box 5082 Notified? No ☐ Yes ☒ Date: Sept. 18, 2003
   City/State: Troy, MI
   Property Tax ID number: 19 2231 00100
   Other:

   Address: City of Saginw
   1315 S. Washington Ave. Notified? No ☐ Yes ☒ Date: Sept. 18, 2003
   City/State: Saginaw, MI
   Property Tax ID number: N/A – right-of-way in W. Center Street
   Other:

   Address: Notified? No ☐ Yes ☐ Date:
   City/State:
   Property Tax ID number:
   Other:

   Address: Notified? No ☐ Yes ☐ Date:
   City/State:
   Property Tax ID number:
   Other:

   Address: Notified? No ☐ Yes ☐ Date:
   City/State:
   Property Tax ID number:
   Other:

   Address: Notified? No ☐ Yes ☐ Date:
   City/State:
   Property Tax ID number:
   Other:

   (Attach additional pages as needed)

6. Complete the Table on Page 3 of this Form for each hazardous substance which has migrated, or is likely to have migrated, beyond the property boundary at a concentration that exceeds a Generic Residential Cleanup Criterion developed by the DEQ pursuant to MCL 324.20120a(1). Complete and attach additional copies of Page 3, if necessary, to list all hazardous substances that must be reported. Include a scaled map or drawing that shows the location of sampling points identified on the Table on Page 3.

7. Provide a summary of the information which shows that contamination is emanating from, or has emanated from, and is present beyond the boundary of the source property at a concentration which exceeds that allowed by MCL 324.20120a(1)(a). This summary shall identify the environmental media affected, specific hazardous substances, and the concentrations of those hazardous substances in all affected environmental media at the property boundary and in any sample locations beyond the property boundary. The summary shall also describe the basis for the conclusion that the contamination is emanating, has emanated, or is present beyond the boundary of the source property, including whether the conclusion is based on groundwater analytical data or fate and transport modeling, both, or neither.

The groundwater flow direction at the GM SMI Plant Property is generally toward the Saginaw River located adjacent to the eastern property boundary; however, the direction of groundwater flow varies due to mounding caused by onsite stormwater management features (Figure 3). Groundwater flows offsite along a portion of the northern property boundary, a limited section of the western property boundary, and along the eastern property boundary. To obtain a list of constituents that may have migrated off-site at concentrations above MDEQ Generic Residential Criteria, groundwater quality data collected from the permanent site monitoring wells located closest to the downgradient property boundaries were compared to the Generic Residential Criteria. Due to the presence of the Saginaw River along the eastern property boundary, the Groundwater Surface Water Interface Criteria were compared to data collected at the Saginaw River perimeter monitoring well clusters (Figure 2). Each constituent detected above one or more relevant Generic Residential Criteria is listed on the table included with this reporting form, with the exception of constituents that were detected above criteria on one date followed by two or more sampling events that did not indicate that the sampled constituent was present above the Generic Residential Criteria. Inorganic constituents are listed if a Generic Residential Criteria is exceeded in either a dissolved or total sample. This approach provides a conservative assessment of potential offsite impacts.

Concentrations of phenol, aluminum, arsenic, barium, chromium, copper, cyanide, iron, lead, manganese, sodium, thallium, and vanadium were detected in groundwater above one or more of the Generic Residential Criteria in the permanent monitoring wells located closest to the downgradient site boundaries. Two monitoring wells are located offsite, in the right of way for Center Street, north of the site (Figure 2). A notice has been filed with the City of Saginaw regarding potential impacts to groundwater on their property; however, due to the location of the Former Queen Street Dump in this area, it is not believed that the source of the detected constituents is activities completed by GM. The notice is being provided as a conservative precaution to ensure compliance with Part 201. A notice is also being filed with Delphi Automotive Systems due to the presence of sodium in monitoring well B-2BAUG located along the western site perimeter, upgradient of the Delphi Site (Figures 2 and 3). The following table presents a summary of the constituents detected along each downgradient site boundary in permanent monitoring wells, and the range of concentrations detected above the Generic Residential Criteria.

Downgradient Site Boundary	Constituent Detected Above Relevant Residential Criteria	Concentration Range Above Relevant Criteria (ug/L)
Northern Site Boundary	Aluminum	320 (one well; only time sampled)
	Barium	2,290 (7/95, 6/96 data less than criteria)
	Iron	16,400 – 31,000
	Sodium	122,000 – 4,660,000
	Vanadium	27 – 56
Western (Delphi) Property Boundary	Sodium	433,000 (one well; only time sampled)
Saginaw River Boundary	Phenol	6,200 (one well; data for two other events rejected, fourth round non-detect)

	Arsenic	230 (6/96; 5/00 data less than criteria)
	Chromium	117 (6/96 data not detected)
	Copper	40 – 54
	Cyanide, total	6.7 – 38
	Lead	42 – 54 (3 wells, each only time detected)
	Manganese	2,200 – 4,800
	Thallium	3.8 – 7.6
	Vanadium	26 – 45

Note: Constituents and Data are not listed for Locations where a constituent was detected above criteria on one date followed by two or more sampling events that did not indicate that the constituent was present above Generic residential criteria.are

8. If the person making this notice has reason to believe that a migrating hazardous substance has affected, or is likely to affect, a private or public water supply, then that water supply must be identified here:

   Not applicable.

	YES	NO
9. Is this notice being submitted within the timeframes established under R 299.5522 and/or R 299.51017, as applicable?	☒	☐
10. Is this notice in addition to a notice submitted prior to *December 21, 2002?* (R 299.51017(4)(c))	☒	☐
11. Is this notice related to an oil and gas well permit (R 299.51017(2))?	☐	☒
12. Is this notice related to an easement (R 299.51017(3))? (NOTE: All easement grantors *must* receive this notice.)	☐	☒
13. Has a surface water been affected (R 299.51017(1) and R 299.5522(2))? (If yes, please identify the affected surface water body.)	☒	☐

The Saginaw River is located adjacent to the eastern side of the site. A discussion of the groundwater data collected at the Saginaw River site perimeter is presented in Section 4 of the Feasibility Study (FS) prepared for the site (BBL, July 29, 2003). This section of the FS is provided as an attachment to this notice.

CERTIFICATION:

With my signature below, I certify that I am the owner of the facility or that I am legally authorized to execute this notice on behalf of the owner or operator named on this form, and that to the best of my knowledge and belief the above representations are complete and accurate. I understand that intentionally submitting false information to the DEQ is a felony and may result in fines up to $25,000 for each violation.

Signature Cheryl R Hiatt on behalf of General Motors Corp. Date 09/18/03
(Owner or person legally authorized to bind the person making this report)

Name (Typed or Printed) CHERYL R. HIATT

Title (Typed or Printed) SENIOR ENVIRONMENTAL ENGINEER

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIATION AND REDEVELOPMENT DIVISION

NOTICE OF MIGRATION OF CONTAMINATION

(Under the authority of Part 201, Natural Resources and Environmental Protection Act, 1994 Act 451, as amended, (NREPA) and the Rules promulgated thereunder)

See Item 6 on Page 2 of this Form for instructions to be used in completing this Table. Attach additional pages if necessary. The information to be included in each column of the Table is:

Column A Name of hazardous substance.
Column B Chemical Abstract Service (CAS) Number for the hazardous substance.
Column C Sample location for Column C (relate to label on map).
Column D Maximum hazardous substance concentration measured on the property, expressed parts per billion (e.g, ug/L or ug/Kg). Report maximum concentration separately for each environmental medium.
Column E Environmental medium in which concentration reported in Column C was measured (e.g., soil or groundwater).
Column F Distance from point of maximum measured concentration (Column D) to property boundary, in direction of contaminant migration, if direction is known or can reasonably be inferred. If direction is unknown, list distance to nearest property boundary.
Column G Direction of contaminant migration, if known.
Column H Sample location for Column I (relate to label on map).
Column I Concentration closest to property boundary, if known. If a concentration lower than the maximum concentration reported in Column C has been measured at a point closer to the property boundary in the direction of contaminant migration, use Column I to list the concentration that was measured closest to the property boundary in the direction of contaminant migration.
Column J Environmental medium for measurement reported in Column I, if applicable.

A Hazardous Substance	B CAS Number	C Maximum Concentration	D Sample Location for "C"	E Environmental Medium for "C"	F Distance to Property Boundary	G Direction of Migration	H Sample Location for "I"	I Boundary Concentration	J Environmental Medium for "I"
Phenol	108-95-2	6,200	MW-111S3	groundwater	25 ft.	E	MW-111S3	6,200	groundwater
Aluminum	7429-90-5	19,700	MW-111WT	groundwater	25 ft.	E	MW-111WT	19,700	groundwater
Arsenic	7440-38-2	230	MW-149WT	groundwater	65 ft.	E	MW-149WT	230	groundwater
Barium	7440-39-3	2,290	MW-104WT	groundwater	60 ft.	NE	MW-104WT	2,290	groundwater
Chromium	7440-47-3	117	MW-111WT	groundwater	25 ft.	E	MW-111WT	117	groundwater
Copper	7440-50-8	54	MW-112WT	groundwater	15 ft.	E	MW-112WT	54	groundwater
Cyanide, Total	57-12-5	81	B-4AR	groundwater	290 ft.	E	B-7CAUG	38	groundwater
Iron	7439-89-6	69,400	MW-112WT	groundwater	15 ft.	E	MW-112WT	69,400	groundwater
Lead	7439-92-1	114	UST7-2	groundwater	680 ft.	ESE	MW-109WT	54	groundwater
Manganese	7439-96-5	4,800	MW-108WT	groundwater	20 ft.	E	MW-108WT	4,800	groundwater
Sodium	7440-23-5	4,660,000	MW-103S2	groundwater	70 ft.	NE	MW-103S2	4,660,000	groundwater
Thallium	7440-28-0	7.9	MW-111WT	groundwater	25 ft.	E	MW-111WT	7.9	groundwater
Vanadium	7440-62-2	56	MW-103S2	groundwater	70 ft.	NE	MW-103S2	56	groundwater

Total Number Samples Collected: 519 groundwater Total Number of Samples Exceeding Criteria: 319 groundwater

ADDRESSES FOR SUBMITTALS
TO DEPARTMENT OF ENVIRONMENTAL QUALITY

All Upper Peninsula counties:
Remediation and Redevelopment Division
(RRD)
Upper Peninsula District Office
K.I. Sawyer International Airport and
Business Center
420 Fifth Street
Gwinn, Michigan 49855-9198
(906) 346-8300

Benzie, Grand Traverse, Lake, Leelanau, Manistee, Mason, Osceola, and Wexford counties:
RRD
Cadillac District Office
120 W. Chapin St.
Cadillac, Michigan 49601
(231) 775-3960

Alcona, Alpena, Antrim, Charlevoix, Cheboygan, Crawford, Emmet, Kalkaska, Missaukee, Montmorency, Oscoda, Otsego, Presque Isle, and Roscommon counties:
RRD
Gaylord Field Office
1732 West M-32
P.O. Box 667
Gaylord, Michigan 49735-0667
(989) 731-4920

Arenac, Bay, Clare, Gladwin, Huron, Iosco, Isabella, Midland, Ogemaw, Saginaw, Sanilac, and Tuscola counties:
RRD
Saginaw Bay District Office
503 N. Euclid Ave., Suite 1
Bay City, Michigan 48706-2965
(989) 686-8025

Barry, Ionia, Kent, Mecosta, Montcalm, Muskegon, Newaygo, Oceana, and Ottawa counties:
RRD
Grand Rapids District Office
245 Colrain, SW
Wyoming, Michigan 49548-1013
(616) 246-1720

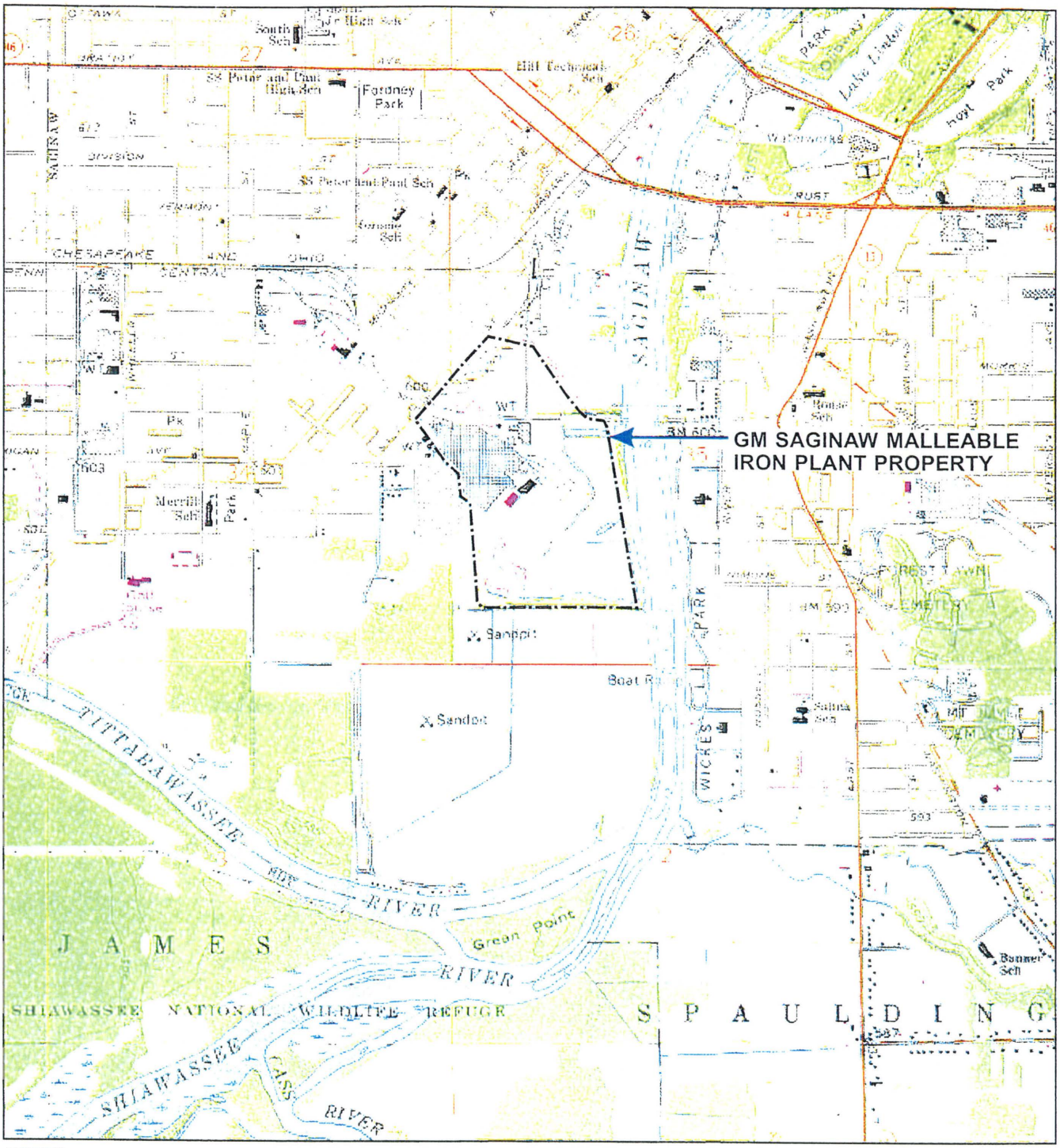
Clinton, Eaton, Genesee, Gratiot, Ingham, Lapeer, Livingston, and Shiawassee counties:
RRD
Lansing District Office
P.O. Box 30426
525 W. Allegan Street
Lansing, Michigan 48909
(517) 335-6010

Macomb, Oakland, St. Clair, and Wayne counties (except City of Detroit):
RRD
Southeast Michigan District Office
38980 Seven Mile Road
Livonia, Michigan 48152-1006
(734) 953-8905

(City of Detroit, Hamtramck and Highland Park)
RRD
Detroit Office
3058 W. Grand Blvd.
Cadillac Place, Suite 2-300
Detroit, Michigan 48207
(313) 456-4700

Hillsdale, Jackson, Lenawee, Monroe, and Washtenaw counties:
RRD
Jackson District Office
Jackson State Office Building
301 E. Louis Glick Highway
Jackson, Michigan 49201-1556
(517) 780-7690

Allegan, Berrien, Branch, Calhoun, Cass, Kalamazoo, St. Joseph, and Van Buren counties:
RRD
Kalamazoo District Office
7953 Adobe Road
Kalamazoo, Michigan 490009
(269) 567-3500



NOTES:

1. Base map source: USGS 7.5 Min. Topo. Quad., Saginaw, Mich. (1967, Photorevised 1973).
2. Locations of Green Point Landfill and Drum Remediation Area are approximate.
3. All property boundary lines are approximate.

2,000 0 2,000

APPROX. SCALE 1" = 2,000 Feet

Area Enlargement

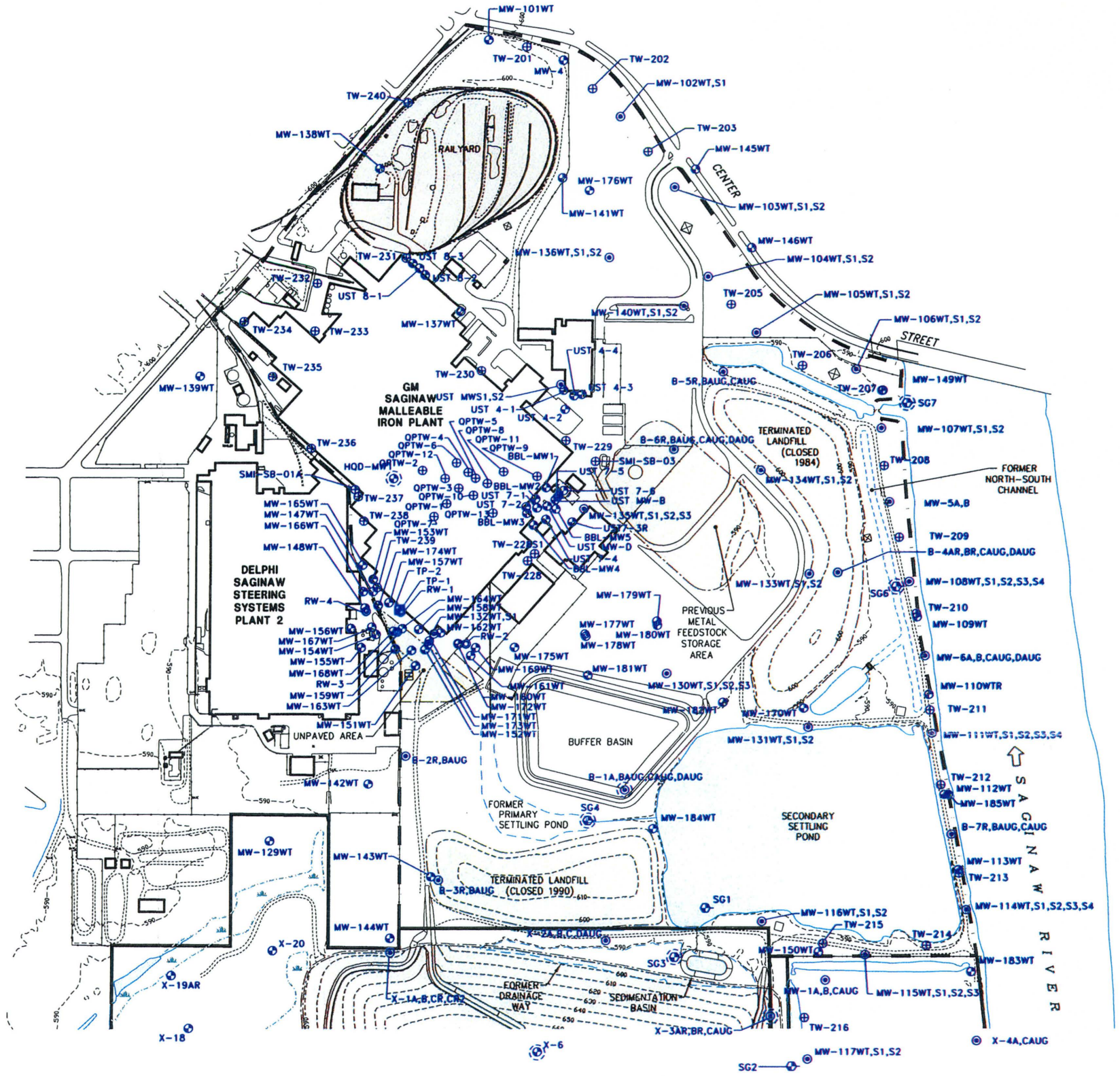
09/17/03 SYR-D85-DJH
27608090/27608n01.CDR

GM SAGINAW MALLEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

SITE LOCATION MAP

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
1



LEGEND

- GM SAGINAW MALLEABLE IRON PLANT PROPERTY LINE (APPROX.)
- REALM, INC. PROPERTY LINE (APPROX.)
- UNPAVED ROAD
- GROUND SURFACE ELEVATION CONTOUR (10 FT INTERVAL)
- FENCE LINE
- SWAMPY AREA
- MW-4 — MONITORING WELL
- MW-102WT,S1 — MONITORING WELL CLUSTER
- SG5 — STAFF GAGE
- TW-203 — TEMPORARY MONITORING WELL
- TP-2 — PIEZOMETER
- RW-4 — RECOVERY WELL
- X-6 — ABANDONED MONITORING WELL
- SG3 — ABANDONED STAFF GAGE

NOTES:

1. THIS PHOTOGRAMMETRIC BASE MAP WAS PREPARED BY LOCKWOOD MAPPING, INC. OF ROCHESTER, NEW YORK. AERIAL PHOTOGRAPHY WAS CONDUCTED ON 11/11/94. ORIGINAL LOCKWOOD MAP WAS AT A SCALE OF 1"=100' AND WAS INTERPRETED FOR TWO-FOOT CONTOURS.
2. SAMPLING LOCATIONS SURVEYED BY ATWELL-HICKS, INC. UTICA, MICHIGAN, FILE NO. M1014SU2, FILE DATE 3/22/96, REVISED 8/8/96, OR SPICER GROUP.
3. VERTICAL DATUM REFERENCED TO NGVD OF 1929, HORIZONTAL DATUM REFERENCED TO MICHIGAN SPC-NAD 1983.
4. BASE MAP HAS BEEN MODIFIED TO INCORPORATE BUFFER BASIN AND SEDIMENTATION BASIN. SEDIMENTATION BASIN LOCATION FROM THE FINAL ENGINEERING DESIGN REPORT PREPARED BY BBL FOR THE GPL, DATED JANUARY, 1998.
5. PROPERTY BOUNDARY FOR REALM, INC. DIGITIZED FROM SPICER GROUP DRAWING NO. A-21854-1, DATED 3/27/98.
6. SOIL BORING LOCATIONS FOR SOUTHERN PROPERTY DIGITIZED FROM ECOLOGICAL RISK ASSESSMENT BY EXPONENT, DATED 9/18/00.

SCALE:
500' 0 500'

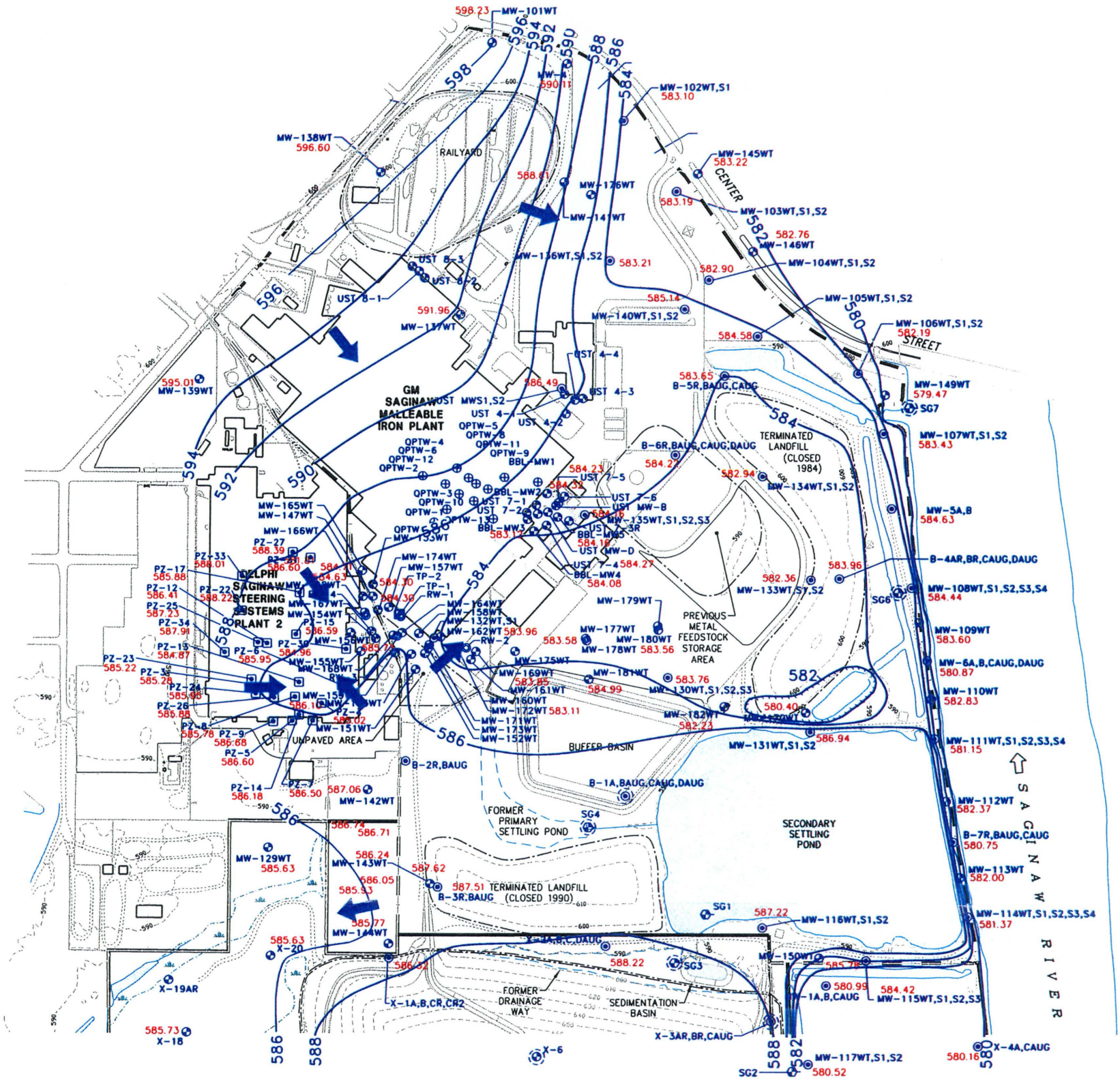
SAGINAW MALEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

MONITORING WELL AND TEMPORARY WELL LOCATION MAP

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE 2

X: 93002X02.DWG
L: ON=*, OFF=*REF*
P: PAGESET/BP (PLTHALF.CTB)
9/16/03 SYR-54-DMW
27608090/SMI/27608B01.DWG



LEGEND

- GM SAGINAW MALLEABLE IRON PLANT PROPERTY LINE (APPROX.)
- REALM, INC. PROPERTY LINE (APPROX.)
- UNPAVED ROAD
- GROUND SURFACE ELEVATION CONTOUR (10 FT INTERVAL)
- FENCE LINE
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- MW-4 — MONITORING WELL
- MW-102WT,S1 — MONITORING WELL CLUSTER
- SG5 — STAFF GAGE
- TW-203 — TEMPORARY MONITORING WELL
- TP-2 — PIEZOMETER
- RW-4 — RECOVERY WELL
- X-6 — ABANDONED MONITORING WELL
- SG3 — ABANDONED STAFF GAGE
- 582.88 — GROUNDWATER ELEVATION (FEET AMSL)
- 582 — GROUNDWATER ELEVATION CONTOUR LINE (FEET AMSL), DASHED WHERE INFERRED
- GROUNDWATER FLOW DIRECTION

NOTES:

1. THIS PHOTOGRAMMETRIC BASE MAP WAS PREPARED BY LOCKWOOD MAPPING, INC. OF ROCHESTER, NEW YORK. AERIAL PHOTOGRAPHY WAS CONDUCTED ON 11/11/94. ORIGINAL LOCKWOOD MAP WAS AT A SCALE OF 1"=100' AND WAS INTERPRETED FOR TWO-FOOT CONTOURS.
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5. PROPERTY BOUNDARY FOR REALM, INC. DIGITIZED FROM SPICER GROUP DRAWING NO. A-21854-1, DATED 3/27/98.

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500' 0 500'

L: ON= * OFF= *REF*
X: 27608XX1.DWG
P: 27608W01, BTDW01.PCP
9/16/03 SYR-54-DMW
27608090/SMI/27608W01.DWG

SAGINAW MALEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

WATER TABLE ELEVATION CONTOUR MAP - MAY 16, 2000

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FIGURE 3

Attachment to Form EQP4482 Prepared for the General Motors Saginaw Malleable Iron Plant Property

Excerpt from the Feasibility Study prepared for the Saginaw Malleable Iron Plant Property and REALM Inc. Green Point Landfill and Drum Remediation Area, Saginaw, Michigan; July 29, 2003.

4. Evaluation of Groundwater Quality at Saginaw River Perimeter

4.1 Data Summary - Temporary Monitoring Wells

Groundwater samples were collected from 19 temporary monitoring wells installed at seven monitoring well cluster locations along the Saginaw River perimeter. Each groundwater sample was analyzed for USEPA SW-846 TCL VOCs, SVOCs, total and dissolved PCBs, and dissolved TAL inorganics. Installation and sampling of the temporary wells was completed to further characterize the groundwater at the site perimeter and to assist in locating permanent wells. Temporary well data are not considered as reliable for sorptive analytes (e.g., PCBs, inorganics, and certain SVOCs) because they tend to produce turbid samples that are not representative of groundwater chemistry. Thus, while the detection in a groundwater sample of a sorptive analyte may not represent actual groundwater quality, the absence of this type of constituent should be indicative of groundwater quality. Therefore, these temporary well samples can provide a preliminary screening level characterization of groundwater quality. In response to the detection of analyte concentrations above the generic MDEQ criteria, permanent monitoring wells were installed (MW-149WT, MW-109WT, MW-110WT, MW-112WT, and MW-113WT).

The exposure point concentration for each constituent was compared with relevant MDEQ generic cleanup criteria. The results of this analysis revealed:

VOCs: No generic GSI, GCC, FESL, or WSSL values for VOCs were exceeded in the samples collected from the temporary monitoring wells.

SVOCs: No generic GCC, FESL or WSSL values for SVOCs were exceeded in samples collected from temporary monitoring wells. The generic GSI value for bis(2-ethylhexyl)phthalate (32 µg/L) was exceeded at two temporary monitoring well locations: TW-209WT (49 µg/L) and TW-210S1 (34 µg/L).

PCBs: No generic GCC or WSSL values for PCBs (unfiltered or filtered) were exceeded in samples collected from the temporary monitoring wells. No PCBs from filtered samples exceeded the generic GSI value for PCBs. The generic GSI value for PCBs was exceeded in unfiltered samples from four temporary monitoring wells.

Inorganics: Samples from the temporary monitoring wells were analyzed for unfiltered and filtered (dissolved) inorganics and total cyanide. As provided by MDEQ Operational Memorandum #18 (MDEQ, 2000), site-specific background values for copper, manganese, and zinc were substituted for the GSI values. Dissolved inorganics detected above the higher of the generic GSI or site-specific background values were arsenic and manganese. No generic GCC values were exceeded in the samples collected from temporary monitoring wells along the Saginaw River perimeter.

4.2 Data Summary - Permanent Monitoring Wells

Groundwater samples were collected from 40 permanent monitoring wells along the Saginaw River perimeter. The concentration of each constituent was compared with relevant MDEQ generic cleanup criteria. Table 4-1 provides a summary of analytical data for the sampling locations where constituents were detected above the generic GSI criteria on at least one occasion. The constituent concentrations detected at permanent monitoring wells located along the Saginaw River and the generic MDEQ criteria are compared below.

VOCs: No generic GCC, FESL, or WSSL values for VOCs were exceeded in the samples collected from the permanent wells. The generic GSI value for total xylenes was exceeded at one permanent well (MW-6CAUG) during the first sampling event in 1995. Two subsequent sampling events, however, indicated no VOC detections above the GSI criteria at this well. Therefore, additional response activity is not warranted at the MW-6CAUG location.

SVOCs: No generic GCC, FESL or WSSL values for SVOCs were exceeded in samples collected from permanent monitoring wells. Phenol and bis(2-ethylhexyl)phthalate were each detected at concentrations above the generic GSI values during the initial sampling event at one monitoring well (Table 4-1). Subsequent sampling results, however, including recent data collected in May 2000, showed no GSI exceedances for these compounds. Therefore, additional response activity at these well locations is not warranted.

PCBs: No generic GCC or WSSL values for PCBs (unfiltered or filtered) were exceeded in samples collected from the permanent monitoring wells. Filtered samples did not exceed the generic GSI value for PCBs, however, unfiltered samples from a few wells initially did exceed the GSI value. While unfiltered samples from the wells located closet to the Saginaw River currently do not exceed GSI, the PCB monitoring results require a more in-depth analysis than the other constituents. The interpretation of PCB results is somewhat more complicated than other constituents at the Site because there has been no identified background concentration, the GSI criteria has been established at the target detection limit (TDL), and PCBs are highly adsorbed onto fine soil particles that may become entrained into the water sample collected for analysis. The inadvertent introduction into the sample of a few soil particles with PCBs (PCBs have been detected at low concentrations in the berm soil) can result in the detection of PCBs in an unfiltered groundwater sample when in fact PCBs are not present in groundwater. Furthermore, in an effort to minimize the potential for this type of false positive result, several corrective measures such as additional well purging and the use of different sample collection procedures (lower flow rates) have been implemented since initial completion of the Work Plan.

There have been very few detections of PCBs in unfiltered samples from the 40 permanent monitoring wells installed along the river boundary. The generic GSI value for PCBs was initially exceeded in unfiltered samples from five permanent monitoring wells in 1995. However, these samples generally exhibited the highest levels of turbidity because of inadequate well development (due to fine grained soils with low groundwater yields) and sample collection methods which did not minimize the artificial turbidity in the well. Following the initial groundwater sampling events completed in July 1995 and June 1996, in accordance with the RI Work Plan, additional sampling has been completed at the monitoring wells along the river that were found to contain detectable levels of PCBs during the initial sampling events. Several wells (MW-111S4 and MW-108S1) were found to contain PCBs during the initial sampling round only. At other locations, PCBs were detected during subsequent sampling events. Figure 4-1 illustrates the location of the permanent monitoring wells associated with the detections of PCBs on one or more sampling dates. As described below, analysis of samples collected during the latest sampling events indicate no current exceedance of GSI criteria.

During preparation of the Work Plan, it was known that artificially produced turbidity during sample collection could create false positive detections of PCBs (i.e., detections of PCB when none actually exist) in groundwater samples where PCB soil contamination was present. Therefore, a field filtered PCB sample was added to the unfiltered sample requirement to further assess whether detections in the unfiltered sample were actually

dissolved in groundwater. There have been no exceedances of GSI criteria for PCBs in any of the filtered samples analyzed.

At the time of the Work Plan preparation, other strategies designed to exclude the inadvertent introduction of particulates into the well were just being developed in the scientific community and thus were not included. These techniques include alternative well installation methods, enhanced well development and purging processes, and low flow sampling methodologies that mimic the natural rate of groundwater flow. Subsequent to implementation of the Work Plan, these techniques have become widely accepted and, when implemented, have been found to minimize the occurrence of false positive detections of highly adsorptive constituents like PCBs. Thus, these techniques have been utilized in the latter sampling rounds with generally positive results, supporting the use of filtered PCB sampling data to assess the presence absence of PCBs that are mobile in the groundwater system under material conditions. As shown in Table 4-1, the detected total PCB concentrations and the number of river perimeter wells with detections have decreased over time.

The most significant of these techniques has been the change from sampling using moderate-flow procedures (purge rates of up to 9.5 L/min; sampling rates of 100 ml/min), which disturb the water column and introduces high levels of artificial turbidity during sampling, to low (purge rate of up to 500 ml/min; sampling rate of 100 ml/min) and "ultra" low-flow (purge and sampling rate of 1 L/hr, which minimizes sample turbidity by mimicking the rate of natural groundwater flow) sample collection methods. In addition, the accumulative amount of water purged prior to sample collection has increased significantly more completely removing fine soil particles from the sand pack prior to sample collection. Unless removed, these fine soil particles can be slowly released during the sample collection process, thus increasing the level of artificial turbidity in the sample. Figure 4-2 illustrates the overall relationship between the PCB analytical data, the various sampling rounds, and the method of sample collection. Following implementation of an ultra low-flow sampling method (which minimizes sample turbidity) in May 2000, PCBs have been detected at only one monitoring well (MW-112WT), during one of two sampling events.

The available data collected from the various sampling rounds clearly indicates that the PCB detections are related to sample collection methods. When PCBs have been detected in unfiltered samples from wells along the river boundary, the paired filtered sample results have been below the GSI criteria. This suggests that the PCBs were adsorbed to particulates that are larger than the filter size of 0.45 microns. The impact of particulates on unfiltered groundwater samples is further demonstrated by the analytical data from samples previously collected from the temporary monitoring wells. The temporary wells were installed for screening purposes, and as such they were not developed as thoroughly as the permanent wells nor were low flow sampling techniques used, therefore samples had much higher levels of turbidity. At these locations, PCB concentrations were significantly higher than those detected in samples collected from nearby permanent monitoring wells (generally by orders of magnitude). These data demonstrate that the higher particulate content of groundwater collected from the temporary wells resulted in higher detections of the particulate-sorbed PCBs.

Similarly, PCBs were initially detected in unfiltered groundwater samples from permanent monitoring wells, which were installed in fine grain soils containing low concentrations of PCBs. However, the PCB concentrations have declined through time due to continued well development and improvements in sampling methodology that have minimized unrepresentative sample turbidity. Figures 4-3 through 4-9 illustrates the relationship between measured sample turbidity and detected PCB concentration. As shown by these figures, there is, in almost every instance, a direct correlation between sample turbidity and the detected concentration of PCBs. Ideally, trends of detected PCB concentration would mimic the trend in the turbidity level at a particular well. However, several factors may confound such an ideal relationship. First, variations from this correlation are found in some instances where measured turbidity is very low (less than 0.5 nephelometric turbidity units [NTUs]) due to the sensitivity range of the turbidity meter. Second, heterogeneous levels of PCB concentrations on entrained particulates can result in an uneven relationship between turbidity and PCB detections. Nevertheless, a distinct trend is observable in the body of the data.

These new techniques to minimize artificial sample turbidity have been successful. The groundwater samples collected from the monitoring wells along the Saginaw River in May 2000 were non-detect for PCBs (filtered and unfiltered samples). In April 2001, samples were collected for PCB analysis from four monitoring wells located along the river that had contained detectable concentrations of PCBs during any of the previous three sampling events. The data were non-detect for PCBs, with the exception of the sample collected from MW-112WT, which contained PCBs at a concentration of 0.20 µg/L (0.24 µg/L upon reanalysis). These samples were collected using a modified sampling procedure as described in the Quality Assurance Project Plan (QAPP) Addendum (Attachment L-A to the RI/FS Work Plan), which incorporates a peristaltic pump to allow lower purging and sampling rates to minimize disturbance of the natural groundwater flow rates in the soil.

Due to the sporadic detection of PCBs at MW-112WT since 1997, a new monitoring well (MW-185WT) was installed downgradient of MW-112WT in November 2001 to establish an alternate GSI monitoring point, and to potentially demonstrate that the PCB detections at MW-112-WT represent non-mobile PCBs present in soil. The well was installed using driven casing to advance the boring (instead of hollow-stem-augers) to minimize disturbance of the subsurface soil structure. Replacement well MW-110WTR (replacement for MW-110WT; damaged by tree roots) was also installed in November 2001. Unfiltered groundwater samples collected from the two new wells in November 2001 were non-detect for PCBs. The absence of detectable levels of PCBs in these samples is consistent with the premise that the PCBs previously detected in monitoring wells located along the Saginaw River are the result of particulates being introduced into the samples due to the more disruptive methods previously used to install wells and collect groundwater samples.

In summary, the available data indicate that PCBs are not present in groundwater adjacent to the Saginaw River at concentrations above the laboratory detection limit. Previous detections of PCBs in groundwater appear to be the result of the inadvertent introduction of fine soil particles into the monitoring wells during sample collection. This conclusion is supported by the absence of PCB exceedances in all of the filtered samples (with the exception of one collected at monitoring well MW-112WT) and unfiltered samples that were collected utilizing techniques to reduce artificial turbidity. As well, the berm area along the Saginaw River is constructed of fine grain soils containing of low concentrations of PCBs. These conditions are inconsistent with the PCB detections resulting from a source area contributing dissolved PCBs but are consistent with the inadvertent introduction of fine soil particles into the monitoring wells. Additional groundwater sampling will be conducted as described in Section 4.3 to confirm these findings.

Pesticides and Herbicides: Groundwater samples from two monitoring wells along the Saginaw River were analyzed for pesticide and herbicide compounds. Concentrations of pesticides and herbicides were not reported above the laboratory detection limits in the samples.

Dioxins and Furans: Groundwater samples were collected from two permanent monitoring wells along the Saginaw River perimeter for analysis of dioxins/furans. No generic GSI, GCC, or WSSL values for dioxins/furans were exceeded in these samples.

Inorganics: Samples from the permanent monitoring wells were analyzed for unfiltered and filtered (dissolved) inorganics and total cyanide. As provided by MDEQ Operational Memorandum #18 (MDEQ, 2000), site-specific background values for copper, manganese, and zinc were substituted for the GSI values when the background values were higher. Dissolved inorganics detected above the higher of the generic GSI or site-specific background values during at least one sampling event were arsenic, copper, manganese, and thallium. The generic GSI criteria for barium, beryllium, cadmium, chromium, lead, nickel, and selenium were not exceeded in the monitoring wells. Only one unfiltered sample exceeded the generic GSI value for cyanide; however, during subsequent sampling, cyanide was not detected in the filtered or unfiltered samples. No generic GCC values were exceeded in the samples collected along the Saginaw River perimeter.

Copper was detected slightly above GSI criteria at MW-108S4 in a groundwater sample collected in 1995 during the initial sampling event. Two samples collected in 1996 and 2000 were non-detect for copper.

Thallium was detected above the GSI criteria at four river perimeter wells during the fifth sampling event in May 2000. The data were qualified, indicating that the reported concentrations were between the instrument detection limit and the required reporting limit. In addition, all of the detected concentrations were approximately the same value. Thallium had not been detected in wells along the river boundary, nor had it been detected above criteria during any previous sampling events at any location on the site. Thus, it is unlikely that these detections are significant.

Manganese was detected above GSI criteria at two monitoring well locations, and arsenic was detected above GSI criteria at one monitoring well location (Table 4-1). Manganese was detected at a concentration exceeding the GSI criteria at MW-149WT during the sampling event of June 1996. However, during a subsequent sampling event in May 2000, manganese was detected at a concentration significantly below the GSI criteria. Manganese was detected at MW-111WT at concentrations above GSI criteria during two of four sampling events. Arsenic was also detected at MW-149WT above the GSI criteria during the June 1996 event, but below the criteria in the subsequent event. To address the detection of thallium, arsenic, and manganese in groundwater monitoring wells adjacent to the Saginaw River, additional groundwater sampling will be conducted as described in Section 4.3.

4.3 Groundwater Monitoring Plan

Despite the extensive amount of groundwater monitoring data available for the river perimeter wells as well as the planned Fall 2003 sampling event discussed in Subsection 2.4, a groundwater monitoring program will be developed and implemented as part of the RAP, to provide additional data for PCBs, arsenic, manganese, and thallium.

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*** TX REPORT ***
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6723 Towpath Road, Box 66
Syracuse, NY 13214
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Fax: 315-446-8053

To:	Michigan Department of Environmental Quality	**Fax #:**	989-684-9799
Date:	September 19, 2003	**Pages:**	17, including this page
From:	Lisa Coffey	**cc:**	
Subject:	General Motors Corporation Saginaw Malleable Iron Notice of Migration		
Project#	644.34		

COMMENTS:

Confidentiality Notice

Track Shipments
Detailed Results

Printable Version | Quick Help

Tracking number	790415204171	**Reference number**	27608.090-00015727608.09
Signed for by	S.OWEN		
Ship date	Sep 19, 2003	**Delivered to**	Recept/Frnt desk
Delivery date/time	Sep 22, 2003 9:13 am	**Delivery location**	BAY CITY MI
		Service type	Priority Overnight

Date/time		Status	Location	Comments
Sep 22, 2003	9:13 am	**Delivered**	BAY CITY MI	
	7:41 am	On FedEx vehicle for delivery	FREELAND MI	
Sep 20, 2003	8:17 am	Package status	FREELAND MI	Package not due for delivery
	8:17 am	Arrived at FedEx Destination Location	FREELAND MI	
	7:59 am	Left FedEx Ramp	FLINT MI	
	6:56 am	Arrived at FedEx Ramp	FLINT MI	
	4:08 am	Left FedEx Sort Facility	MEMPHIS TN	
	12:27 am	Left FedEx Sort Facility	MEMPHIS TN	
Sep 19, 2003	11:41 pm	Arrived at Sort Facility	MEMPHIS TN	
	8:45 pm	Left FedEx Origin Location	NORTH SYRACUSE NY	
	8:39 pm	Arrived at FedEx Ramp	SYRACUSE NY	
	5:41 pm	Picked up by FedEx	NORTH SYRACUSE NY	

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Worldwide Facilities Group
Remediation Team

Transmitted Via FedEx and Facsimile

September 18, 2003

City of Saginaw
1315 S. Washington Ave.
Saginaw, MI 48602

Re: General Motors Corporation Saginaw Malleable Iron Plant Property, Saginaw, Michigan
Notice of Migration

Dear Sirs:

The purpose of this letter is to provide you notice of the results of environmental investigations completed at the General Motors Corporation Saginaw Malleable Iron Plant Property, located immediately south of the City of Saginaw right of way for Center Street. in Saginaw, Michigan (Figure 1). This notice is being made in accordance with Michigan Department of Environmental Quality (MDEQ) requirements.

Groundwater data collected at monitoring wells located on or upgradient of your property (Figures 2 and 3) indicate that concentrations of benzo(a)anthracene, benzo(b)fluoranthene, bis(2-ethylhexyl)phthalate, chrysene, indeno(1,2,3-cd)pyrene, aluminum, barium, iron, magnesium, nickel, sodium, and vanadium have been detected at concentrations above MDEQ Generic Residential Drinking Water Criteria. The analytical data are shown in Tables 1 through 4. Note that the data were also compared to the other relevant Generic MDEQ Residential Criteria and were found not to exceed those values. Also please note that this is the location of the Former Queen Street Dump, and that the presence of these constituents is not believed to be related to any General Motors activities at the Saginaw Malleable Iron Plant property.

We are committed to protecting the health and safety of our neighbors. If you have any questions regarding the enclosed data, please call me at 248-680-5219.

Sincerely,

Cheryl R. Hiatt

Ms. Cheryl R. Hiatt
Senior Environmental Engineer
General Motors Corporation

cc: Mr. Edward Peterson, GM
Anthony Thrubis, GM

Bcc: Lisa Coffey

485 West Milwaukee Avenue • Mail Code 482-310-004 • Detroit, MI 48202-3220 • FAX (313) 556-0803

TABLE 1

GENERAL MOTORS SAGINAW MALLEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

VOLATILE ORGANIC ANALYTICAL DATA IN GROUNDWATER FOR WELLS ADJACENT TO CITY OF SAGINAW PROPERTY

Location ID Date Sampled Sample Type	Generic MDEQ Criteria Values RDW	MW-102WT 7/25/95 FS	MW-102S1 7/25/95 FS	MW-103WT 7/12/95 FS	MW-103WT 6/4/96 FS	MW-103S1 7/12/95 FS	MW-103S2 7/12/95 FS	MW-104WT 7/12/95 FS	MW-104S1 7/12/95 FS	MW-104S2 7/12/95 FS	MW-105WT 7/12/95 FS
1,1,1-Trichloroethane	2.0E+2 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	8.50E+00	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	5.0E+0 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	8.8E+2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	7.0E+0 {A,I}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	5.0E+0 {A,I}	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dichloroethene, Total	7.0E+1 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	5.0E+0 {A,I}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	1.3E+4 {I}	50 U	50 U	50 UJ	50 U	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
2-Hexanone	1.00E+03	50 U	R	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone	1.8E+3 {I}	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acetone	7.3E+2 {I}	50 U	50 U	50 UJ	100 U	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
Benzene	5.0E+0 {A,I}	1.0 U	1.0 U	**3.1**	**2.8 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0E+2 {A,W}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	1.0E+2 {A,W}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	1.0E+1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	8.0E+2 {I,R}	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Carbon tetrachloride	5.0E+0 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	1.0E+2 {A,I}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorodibromomethane	1.0E+2 {A,W}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	4.3E+2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	1.0E+2 {A,W}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	2.6E+2 {I}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	7.0E+1 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	2.10E+01	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	7.4E+1 {E,I}	1.0 U	1.0 U	**0.60 J**	**0.42 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5.0E+0 {A}	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	1.0E+2 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5.0E+0 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	7.9E+2 {E,I}	1.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	1.0E+2 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	2.10E+01	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5.0E+0 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2.0E+0 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total	2.8E+2 {E,I}	2.5 U	3.0 U	**4.7**	**3.1**	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U

See Generic Notes.

TABLE 1

GENERAL MOTORS SAGINAW MALLEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

VOLATILE ORGANIC ANALYTICAL DATA IN GROUNDWATER FOR WELLS ADJACENT TO CITY OF SAGINAW PROPERTY

Location ID Date Sampled Sample Type	Generic MDEQ Criteria Values RDW	MW-105S1 7/12/95 FS	MW-105S2 7/12/95 FS	MW-145WT 7/28/95 FS	MW-146WT 7/28/95 FS	TW-203WT 2/3/95 FS	TW-203S1 5/23/95 FS	TW-203S2 5/24/95 FS	TW-205WT 2/6/95 FS	TW-205S1 2/7/95 FS	TW-205S2 2/7/95 FS
1,1,1-Trichloroethane	2.0E+2 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	8.50E+00	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	5.0E+0 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	8.8E+2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	7.0E+0 {A,I}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	5.0E+0 {A,I}	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene, Total	7.0E+1 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	5.0E+0 {A,I}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	1.3E+4 {I}	50 UJ	50 UJ	50 U	50 U	50 U	50 UJ	50 UJ	50 U	50 U	50 U
2-Hexanone	1.00E+03	50 U	50 U	50 U	R	R	50 U	50 U	R	R	R
4-Methyl-2-pentanone	1.8E+3 {I}	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acetone	7.3E+2 {I}	50 UJ	50 UJ	50 U	50 U	50 UJ	50 U	50 U	50 UJ	50 UJ	50 UJ
Benzene	5.0E+0 {A,I}	1.0 U	1.0 U	**1.9**	**2.4**	**1.4**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0E+2 {A,W}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	1.0E+2 {A,W}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U
Bromomethane	1.0E+1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	8.0E+2 {I,R}	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Carbon tetrachloride	5.0E+0 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U
Chlorobenzene	1.0E+2 {A,I}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorodibromomethane	1.0E+2 {A,W}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	4.3E+2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	1.0E+2 {A,W}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**1.1**	1.0 U	1.0 U	1.0 U
Chloromethane	2.6E+2 {I}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	7.0E+1 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	2.10E+01	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	7.4E+1 {E,I}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5.0E+0 {A}	1.0 U	1.0 U	1.0 U	**1.8**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	1.0E+2 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5.0E+0 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	7.9E+2 {E,I}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	1.0E+2 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	2.10E+01	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5.0E+0 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2.0E+0 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total	2.8E+2 {E,I}	3.0 U	3.0 U	3.0 U	**1.7 J**	3.0 U	3.0 UJ	3.0 UJ	3.0 U	3.0 U	3.0 U

See Generic Notes.

TABLE 2

GENERAL MOTORS SAGINAW MALLEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

SEMIVOLATILE ORGANIC ANALYTICAL DATA IN GROUNDWATER FOR WELLS ADJACENT TO CITY OF SAGINAW PROPERTY

Location ID Date Sampled Sample Type	Generic MDEQ Criteria Values RDW	MW-102WT 7/25/95 FS	MW-102S1 7/25/95 FS	MW-103WT 7/12/95 FS	MW-103WT 6/4/96 FS	MW-103S1 7/12/95 FS	MW-103S1 6/4/96 FS	MW-103S1 5/18/00 FS	MW-103S2 7/12/95 FS	MW-104WT 7/12/95 FS	MW-104S1 7/12/95 FS	MW-104S2 7/12/95 FS	MW-105WT 7/12/95 FS
1,2,4-Trichlorobenzene	7.0E+1 {A}	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	6.0E+2 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	6.60E+00	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	7.5E+1 {A}	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2'-oxybis(dichloropropane)	--	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	7.30E+02	50 U	50 U	50 U	--	50 U	50 U	5.0 U	50 U	50 U	50 U	50 U	50 U
2,4,6-Trichlorophenol	1.20E+02	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	7.30E+01	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dimethylphenol	3.7E+2	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrophenol	--	20 U	20 U	20 U	--	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	7.70E+00	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	--	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	1.80E+03	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	4.5E+1	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Methylnaphthalene	2.6E+2	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Methylphenol	3.7E+2 {J}	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Nitroaniline	--	20 U	20 U	20 U	--	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
2-Nitrophenol	2.00E+01	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3,3'-Dichlorobenzidine	1.10E+00	20 U	20 U	20 UJ	--	20 U	20 U	20 U	20 U	20 UJ	20 U	20 U	20 UJ
3-Nitroaniline	--	20 U	20 U	20 U	--	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4,6-Dinitro-2-methylphenol	2.0E+1 {M}	20 U	20 U	20 U	--	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4-Bromophenyl phenyl ether	--	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Chloro-3-methylphenol	1.50E+02	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Chloroaniline	--	20 U	20 U	20 U	--	20 U	20 U	10 U	20 U	20 U	20 U	20 U	20 U
4-Chlorophenyl phenyl ether	--	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methylphenol	3.7E+2 {J}	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Nitroaniline	--	20 U	20 U	20 U	--	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4-Nitrophenol	--	20 U	20 U	20 U	--	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acenaphthene	1.3E+3	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthylene	5.20E+01	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Anthracene	4.3E+1 {S}	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	2.1E+0 {Q}	5.0 U	5.0 U	5.0 UJ	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 UJ
Benzo(a)pyrene	5.0E+0 {A,Q}	5.0 U	5.0 U	5.0 UJ	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(b)fluoranthene	2.0E+0 {M,Q}	5.0 U	5.0 U	5.0 UJ	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(g,h,i)perylene	5.0E+0 {M}	5.0 U	5.0 U	5.0 UJ	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(k)fluoranthene	5.0E+0 {M,Q}	5.0 U	5.0 U	5.0 UJ	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	--	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethyl)ether	2.0E+0 {I}	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Ethylhexyl)phthalate	6.0E+0 {A}	5.0 U	5.0 U	**0.60 J**	--	**6**	5.0 U	5.0 U	5.0 U	**0.80 J**	5.0 U	**0.80 J**	5.0 U
Butyl benzyl phthalate	1.2E+3	5.0 U	5.0 U	5.0 UJ	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 UJ

See Generic Notes.

TABLE 2

GENERAL MOTORS SAGINAW MALLEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

SEMIVOLATILE ORGANIC ANALYTICAL DATA IN GROUNDWATER FOR WELLS ADJACENT TO CITY OF SAGINAW PROPERTY

Location ID Date Sampled Sample Type	Generic MDEQ Criteria Values RDW	MW-102WT 7/25/95 FS	MW-102S1 7/25/95 FS	MW-103WT 7/12/95 FS	MW-103WT 6/4/96 FS	MW-103S1 7/12/95 FS	MW-103S1 6/4/96 FS	MW-103S1 5/18/00 FS	MW-103S2 7/12/95 FS	MW-104WT 7/12/95 FS	MW-104S1 7/12/95 FS	MW-104S2 7/12/95 FS	MW-105WT 7/12/95 FS
Carbazole	8.5E+1	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	5.0E+0 {M,Q}	5.0 U	5.0 U	5.0 UJ	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 UJ
Di-n-butyl phthalate	8.8E+2	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Di-n-octyl phthalate	1.3E+2	5.0 U	5.0 U	5.0 UJ	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibenz(a,h)anthracene	2.0E+0 {M,Q}	5.0 U	5.0 U	5.0 UJ	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibenzofuran	ID	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Diethyl phthalate	5.5E+3	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	**0.50 J**	5.0 U	5.0 U	5.0 U
Dimethyl phthalate	7.30E+04	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluoranthene	2.1E+2 {S}	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluorene	8.8E+2	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Hexachlorobenzene	1.0E+0 {A}	5.0 U	5.0 U	5.0 UJ	--	5.0 UJ	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Hexachlorobutadiene	1.50E+01	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Hexachlorocyclopentadiene	5.0E+1 {A}	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Hexachloroethane	7.30E+00	5.0 U	5.0 U	5.0 U	--	5.0 U	2.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Indeno(1,2,3-cd)pyrene	2.0E+0 {M,Q}	5.0 U	5.0 U	5.0 UJ	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isophorone	7.7E+2	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
N-Nitroso-di-n-propylamine	5.0E+0 {M}	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
N-Nitrosodiphenylamine	2.70E+02	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	5.2E+2	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Nitrobenzene	3.4E+0 {I}	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Pentachlorophenol	1.0E+0 {A}	25 U	25 U	20 U	--	20 U	25 U	1.0 U	20 U	20 U	20 U	20 U	20 U
Phenanthrene	5.2E+1	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenol	4.4E+3	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	5.0 U	**0.60 J**	5.0 U	**2.4 J**	**1.1 J**	5.0 U
Pyrene	1.4E+2 {S}	5.0 U	5.0 U	5.0 UJ	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 UJ

See Generic Notes.

TABLE 2

GENERAL MOTORS SAGINAW MALLEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

SEMIVOLATILE ORGANIC ANALYTICAL DATA IN GROUNDWATER FOR WELLS ADJACENT TO CITY OF SAGINAW PROPERTY

Location ID Date Sampled Sample Type	Generic MDEQ Criteria Values RDW	MW-105S1 7/12/95 FS	MW-105S2 7/12/95 FS	MW-145WT 7/28/95 FS	MW-145WT 6/4/96 FS	MW-146WT 7/28/95 FS	MW-146WT 6/12/96 FS	TW-203WT 2/3/95 FS	TW-203S1 5/23/95 FS	TW-203S2 5/24/95 FS	TW-205WT 2/6/95 FS	TW-205S1 2/7/95 FS	TW-205S2 2/7/95 FS
1,2,4-Trichlorobenzene	7.0E+1 {A}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	6.0E+2 {A}	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	6.60E+00	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	7.5E+1 {A}	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2'-oxybis(dichloropropane)	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	7.30E+02	50 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U	50 U	50 U
2,4,6-Trichlorophenol	1.20E+02	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	7.30E+01	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dimethylphenol	3.7E+2	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrophenol	--	20 U	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	7.70E+00	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	1.80E+03	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	4.5E+1	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Methylnaphthalene	2.6E+2	5.0 U	5.0 U	5.0 U	5.0 U	**0.91 J**	5.0 U	**1.3 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Methylphenol	3.7E+2 {J}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Nitroaniline	--	20 U	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 U	20 U	20 U	20 U
2-Nitrophenol	2.00E+01	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3,3'-Dichlorobenzidine	1.10E+00	20 U	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 U	20 U	20 U	20 U
3-Nitroaniline	--	20 U	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 U	20 U	20 U	20 U
4,6-Dinitro-2-methylphenol	2.0E+1 {M}	20 U	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 U	20 U	20 U	20 U
4-Bromophenyl phenyl ether	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Chloro-3-methylphenol	1.50E+02	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Chloroaniline	--	20 U	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 U	20 U	20 U	20 U
4-Chlorophenyl phenyl ether	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methylphenol	3.7E+2 {J}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Nitroaniline	--	20 U	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 U	20 U	20 U	20 U
4-Nitrophenol	--	20 U	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 U	20 U	20 U	20 U
Acenaphthene	1.3E+3	5.0 U	5.0 U	5.0 U	5.0 U	**0.63 J**	5.0 U	**1.5 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthylene	5.20E+01	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Anthracene	4.3E+1 {S}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**2.0 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	2.1E+0 {Q}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**5.3 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)pyrene	5.0E+0 {A,Q}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**4.7 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(b)fluoranthene	2.0E+0 {M,Q}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**5.9 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(g,h,i)perylene	5.0E+0 {M}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**2.1 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(k)fluoranthene	5.0E+0 {M,Q}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**2.9 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethyl)ether	2.0E+0 {I}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Ethylhexyl)phthalate	6.0E+0 {A}	**1.2 J**	5.0 U	**0.81 J**	5.0 U	**4.4 J**	5.0 U	10 U	5.0 U	5.0 U	18	12	**1.9 J**
Butyl benzyl phthalate	1.2E+3	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

See Generic Notes.

TABLE 2

GENERAL MOTORS SAGINAW MALLEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

SEMIVOLATILE ORGANIC ANALYTICAL DATA IN GROUNDWATER FOR WELLS ADJACENT TO CITY OF SAGINAW PROPERTY

Location ID Date Sampled Sample Type	Generic MDEQ Criteria Values RDW	MW-105S1 7/12/95 FS	MW-105S2 7/12/95 FS	MW-145WT 7/28/95 FS	MW-145WT 6/4/96 FS	MW-146WT 7/28/95 FS	MW-146WT 6/12/96 FS	TW-203WT 2/3/95 FS	TW-203S1 5/23/95 FS	TW-203S2 5/24/95 FS	TW-205WT 2/6/95 FS	TW-205S1 2/7/95 FS	TW-205S2 2/7/95 FS
Carbazole	8.5E+1	10 U	10 U	10 U	10 U	10 U	10 U	**1.6 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chrysene	5.0E+0 {M,Q}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**7.0 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Di-n-butyl phthalate	8.8E+2	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	**0.91 J**
Di-n-octyl phthalate	1.3E+2	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibenz(a,h)anthracene	2.0E+0 {M,Q}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibenzofuran	ID	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**1.7 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Diethyl phthalate	5.5E+3	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dimethyl phthalate	7.30E+04	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluoranthene	2.1E+2 {S}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**12**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluorene	8.8E+2	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**3.0 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Hexachlorobenzene	1.0E+0 {A}	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Hexachlorobutadiene	1.50E+01	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Hexachlorocyclopentadiene	5.0E+1 {A}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Hexachloroethane	7.30E+00	5.0 U	5.0 U	5.0 U	2.0 U	5.0 U	2.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Indeno(1,2,3-cd)pyrene	2.0E+0 {M,Q}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**2.2 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isophorone	7.7E+2	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
N-Nitroso-di-n-propylamine	5.0E+0 {M}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
N-Nitrosodiphenylamine	2.70E+02	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	5.2E+2	5.0 U	5.0 U	5.0 U	5.0 U	**4.3 J**	**3.9 J**	**4.3 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Nitrobenzene	3.4E+0 {I}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Pentachlorophenol	1.0E+0 {A}	20 U	25 U	25 U	25 U	25 U	25 U	40 U	20 U	20 U	20 U	20 U	20 U
Phenanthrene	5.2E+1	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**8.6 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenol	4.4E+3	**0.60 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	**0.76 J**
Pyrene	1.4E+2 {S}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**9.4 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

See Generic Notes.

TABLE 3

GENERAL MOTORS SAGINAW MALLEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

POLYCHLORINATED BIPHENYL ANALYTICAL DATA IN GROUNDWATER FOR WELLS ADJACENT TO CITY OF SAGINAW PROPERTY

Location ID Date Sampled Sample Type	Generic MDEQ Criteria Values RDW	MW-102WT 7/25/95 FS	MW-102S1 7/25/95 FS	MW-103WT 7/12/95 FS	MW-103S1 7/12/95 FS	MW-103S2 7/12/95 FS	MW-104WT 7/12/95 FS	MW-104S1 7/12/95 FS	MW-104S2 7/12/95 FS	MW-105WT 7/12/95 FS	MW-105S1 7/12/95 FS
PCBs, Filtered											
PCB-1016	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1221	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1232	5.0E-1 {A,J,T}	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
PCB-1242	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1248	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1254	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1260	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Total Aroclors	5.0E-1 {A,J,T}	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs, Unfiltered											
PCB-1016	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1221	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1232	5.0E-1 {A,J,T}	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
PCB-1242	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1248	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1254	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1260	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Total Aroclors	5.0E-1 {A,J,T}	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Generic Notes.

TABLE 3

GENERAL MOTORS SAGINAW MALLEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

POLYCHLORINATED BIPHENYL ANALYTICAL DATA IN GROUNDWATER FOR WELLS ADJACENT TO CITY OF SAGINAW PROPERTY

Location ID Date Sampled Sample Type	Generic MDEQ Criteria Values RDW	MW-105S2 7/12/95 FS	MW-145WT 7/28/95 FS	MW-146WT 7/28/95 FS	TW-203WT 2/3/95 FS	TW-203S1 5/23/95 FS	TW-203S2 5/24/95 FS	TW-205WT 2/6/95 FS	TW-205S1 2/7/95 FS	TW-205S2 2/7/95 FS
PCBs, Filtered										
PCB-1016	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1221	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1232	5.0E-1 {A,J,T}	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
PCB-1242	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1248	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1254	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1260	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Total Aroclors	5.0E-1 {A,J,T}	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs, Unfiltered										
PCB-1016	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1221	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1232	5.0E-1 {A,J,T}	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
PCB-1242	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1248	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1254	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1260	5.0E-1 {A,J,T}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Total Aroclors	5.0E-1 {A,J,T}	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Generic Notes.

TABLE 4

GENERAL MOTORS SAGINAW MALLEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

INORGANIC ANALYTICAL DATA IN GROUNDWATER FOR WELLS ADJACENT TO CITY OF SAGINAW PROPERTY

Location ID Date Sampled Sample Type	Generic MDEQ Criteria Values RDW	MW-102WT 7/25/95 FS	MW-102WT 6/3/96 FS	MW-102S1 7/25/95 FS	MW-102S1 6/3/96 FS	MW-103WT 7/12/95 FS	MW-103WT 6/4/96 FS	MW-103S1 7/12/95 FS	MW-103S1 6/4/96 FS	MW-103S2 7/12/95 FS	MW-103S2 6/4/96 FS
Inorganics, Filtered											
Aluminum	2.4E+2 {B,V}	100 U	182 U	100 U	100 U	100 U	100 U	100 U	101	169	206
Antimony	6.0E+0 {A}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U	--	5.0 U	--
Arsenic	5.0E+1 {A}	5.3	5.3	1	5.0 U	2.5	--	2.9	--	2.8	--
Barium	2.0E+3 {A,B}	409	449	200 U	200 U	1,030	914	365	326	657	616
Beryllium	4.0E+0 {A}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U	--	5.0 U	--
Cadmium	5.0E+0 {A,B}	0.20 UJ	0.50 U	0.20 UJ	0.50 UJ	0.20 U	--	0.20 U	--	0.20 U	--
Calcium	--	150,000	165,000	204,000	217,000	20,400	--	206,000	--	790,000	--
Chromium	1.0E+2 {A,B,H}	50 U	50 U	50 U	50 U	50 U	--	50 U	--	50 U	--
Cobalt	4.00E+01	50 U	50 U	50 U	50 U	50 U	--	50 U	--	50 U	--
Copper	1.0E+3 {B,E}	25 U	25 U	25 U	25 U	25 U	--	25 U	--	27	--
Cyanide, Total	2.0E+2 {A,P,R}	--	5.0 U	--	5.0 U	--	--	--	--	--	--
Iron	1.3E+4 {B,E}	25,900	27,700 J	843	2,960 J	1,160	6,770 J	18,600	16,700 J	21,300	21,200 J
Lead	6.0E+0 {B,L}	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	--	3.0 U	--	3.0 U	--
Magnesium	4.0E+5 {B}	71,100	75,200	73,900	81,500	30,900	--	55,900	--	258,000	--
Manganese	2.1E+3 {B,E}	382	354	149	179	86	328	627	614	1,060	1,010
Mercury	2.0E+0 {A,B,Z}	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	--	0.20 U	--	0.20 U	--
Nickel	1.0E+2 {A,B}	50 U	50 U	50 U	50 U	50 U	--	50 U	--	50 U	--
Potassium	--	11,400	9,600	15,500	17,400	59,300	--	5,000 U	--	27,800	--
Selenium	5.0E+1 {A,B}	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U	--	5.0 U	--
Silver	3.4E+1 {B}	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	--	0.50 U	--	0.50 U	--
Sodium	1.20E+05	54,700	44,300	106,000	122,000	419,000	386,000	561,000	504,000	4,140,000	3,970,000
Thallium	2.0E+0 {A,B}	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	--	2.0 UJ	--	8.0 UJ*	--
Vanadium	4.50E+00	20 U	20 U	20 U	20 U	20 U	--	20 U	--	56	--
Zinc	2.0E+4 {B}	20 U	20 U	56	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Inorganics, Unfiltered											
Cyanide, Total	2.0E+2 {A,P,R}	5.0 U	--	5.0 U	--	8	--	5.0 U	--	6.7	--

See Generic Notes.

TABLE 4

GENERAL MOTORS SAGINAW MALLEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

INORGANIC ANALYTICAL DATA IN GROUNDWATER FOR WELLS ADJACENT TO CITY OF SAGINAW PROPERTY

Location ID Date Sampled Sample Type	Generic MDEQ Criteria Values RDW	MW-103S2 6/4/96 DUP	MW-104WT 7/12/95 FS	MW-104WT 6/4/96 FS	MW-104S1 7/12/95 FS	MW-104S1 6/4/96 FS	MW-104S2 7/12/95 FS	MW-104S2 6/5/96 FS	MW-105WT 7/12/95 FS	MW-105S1 7/12/95 FS	MW-105S2 7/12/95 FS
Inorganics, Filtered											
Aluminum	2.4E+2 {B,V}	100 U	100 U	137	100 U	100 U	192	320	100 U	100 U	100 U
Antimony	6.0E+0 {A}	--	5.0 U	--	5.0 U	--	5.0 U	--	5.0 U	5.0 U	5.0 U
Arsenic	5.0E+1 {A}	--	5.1	--	12	--	5.4	--	2.3	1.2	1.0 UJ
Barium	2.0E+3 {A,B}	698	2,290	1,440	245	326	688	663	200 U	361	650
Beryllium	4.0E+0 {A}	--	5.0 U	--	5.0 U	--	5.0 U	--	5.0 U	5.0 U	5.0 U
Cadmium	5.0E+0 {A,B}	--	0.20 U	--	0.20 U	--	0.20 UJ	--	0.20 U	0.40 U	0.20 U
Calcium	--	--	178,000	--	148,000	--	763,000	--	91,900	132,000	365,000
Chromium	1.0E+2 {A,B,H}	--	50 U	--	50 U	--	50 U	--	50 U	50 U	50 U
Cobalt	4.00E+01	--	50 U	--	50 U	--	50 U	--	50 U	50 U	50 U
Copper	1.0E+3 {B,E}	--	25 U	--	25 U	--	27	--	25 U	25 U	25 U
Cyanide, Total	2.0E+2 {A,P,R}	--	--	--	--	--	--	--	--	--	--
Iron	1.3E+4 {B,E}	24,500	27,600	20,700 J	21,800	31,000	20,400	21,600	2,400	8,640	16,400
Lead	6.0E+0 {B,L}	--	3.0 U	--	3.0 U	--	3.0 U	--	3.0 U	3.0 U	3.0 U
Magnesium	4.0E+5 {B}	--	95,000	--	41,700	--	251,000	--	13,000	45,900	117,000
Manganese	2.1E+3 {B,E)	1,180	631	694	515	631	946	968	737	440	633
Mercury	2.0E+0 {A,B,Z}	--	0.20 U	--	0.20 U	--	0.20 U	--	0.20 U	0.20 U	0.20 U
Nickel	1.0E+2 {A,B}	--	50 U	--	50 U	--	50 U	--	50 U	50 U	50 U
Potassium	--	--	47,400	--	5,000 U	--	22,800	--	6,790	5,080	11,600
Selenium	5.0E+1 {A,B}	--	5.0 U	--	5.0 U	--	5.0 U	--	5.0 U	5.0 U	5.0 U
Silver	3.4E+1 {B}	--	0.50 U	--	0.50 U	--	0.50 U	--	0.50 U	0.50 U	0.50 U
Sodium	1.20E+05	4,660,000	1,630,000	2,000,000	301,000	355,000	4,170,000	3,910,000	41,800	381,000	1,430,000
Thallium	2.0E+0 {A,B}	--	4.0 UJ*	--	2.0 UJ	--	8.0 UJ*	--	2.0 UJ	2.0 UJ	4.0 UJ*
Vanadium	4.50E+00	--	20 U	--	20 U	--	54	--	20 U	20 U	27
Zinc	2.0E+4 {B}	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Inorganics, Unfiltered											
Cyanide, Total	2.0E+2 {A,P,R}	--	13	--	5.0 U	--	5.0 U	--	5.0 U	5.0 U	5.0 U

See Generic Notes.

TABLE 4

GENERAL MOTORS SAGINAW MALLEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

INORGANIC ANALYTICAL DATA IN GROUNDWATER FOR WELLS ADJACENT TO CITY OF SAGINAW PROPERTY

Location ID Date Sampled Sample Type	Generic MDEQ Criteria Values RDW	MW-145WT 7/28/95 FS	MW-145WT 6/4/96 FS	MW-146WT 7/28/95 FS	TW-203WT 2/3/95 FS	TW-203S1 5/23/95 FS	TW-203S2 5/24/95 FS	TW-205WT 2/6/95 FS	TW-205S1 2/7/95 FS	TW-205S2 2/7/95 FS
Inorganics, Filtered										
Aluminum	2.4E+2 {B,V}	100	100 U	100 U	100 U	143	745	144	100 U	208
Antimony	6.0E+0 {A}	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Arsenic	5.0E+1 {A}	3.4	--	6.9	1.4 J	1.0 U	15	4.9 J	4.7	1.7
Barium	2.0E+3 {A,B}	999	865	587	2,430	533	932	200 U	450	905
Beryllium	4.0E+0 {A}	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cadmium	5.0E+0 {A,B}	0.20 UJ	--	0.20 UJ	0.20 U	R	R	0.20 U	0.20 U	0.5
Calcium	--	14,600	--	46,700	68,700	555,000	2,230,000	214,000	238,000	722,000
Chromium	1.0E+2 {A,B,H}	50 U	--	50 U	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
Cobalt	4.00E+01	50 U	--	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Copper	1.0E+3 {B,E}	25 U	--	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Cyanide, Total	2.0E+2 {A,P,R}	--	--	--	--	--	--	--	--	--
Iron	1.3E+4 {B,E}	642	468 J	2,140	7,030	16,500	49,200	5,320	27,000	17,300
Lead	6.0E+0 {B,L}	3.0 U	--	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium	4.0E+5 {B}	46,900	--	68,000	78,700	202,000	708,000	64,400	70,300	220,000
Manganese	2.1E+3 {B,E)	67	68	81	126	1,120	1,410	832	576	1,080
Mercury	2.0E+0 {A,B,Z}	0.20 U	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	1.0E+2 {A,B}	50 U	--	50 U	50 U	50 U	50 U	120	50 U	50 U
Potassium	--	53,800	--	51,400	56,200	23,600	62,100	5,000 U	6,390	22,300
Selenium	5.0E+1 {A,B}	5.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Silver	3.4E+1 {B}	0.50 U	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Sodium	1.20E+05	272,000	317,000	306,000	53,500	2,560,000	11,200,000	111,000	535,000	3,310,000
Thallium	2.0E+0 {A,B}	2.0 UJ	--	2.0 UJ	2.0 UJ	20 UJ	40 UJ	2.0 UJ	4.0 UJ	8.0 UJ
Vanadium	4.50E+00	20 U	--	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Zinc	2.0E+4 {B}	48	20 U	20 U	645	56	524	1,160	1,680	4,260
Inorganics, Unfiltered										
Cyanide, Total	2.0E+2 {A,P,R}	5.0 U	--	11	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U

See Generic Notes.

NOTES:

1. Base map source: USGS 7.5 Min. Topo. Quad., Saginaw, Mich. (1967, Photorevised 1973).
2. Locations of Green Point Landfill and Drum Remediation Area are approximate.
3. All property boundary lines are approximate.

2,000 0 2,000

APPROX. SCALE 1" = 2,000 Feet

Area Enlargement

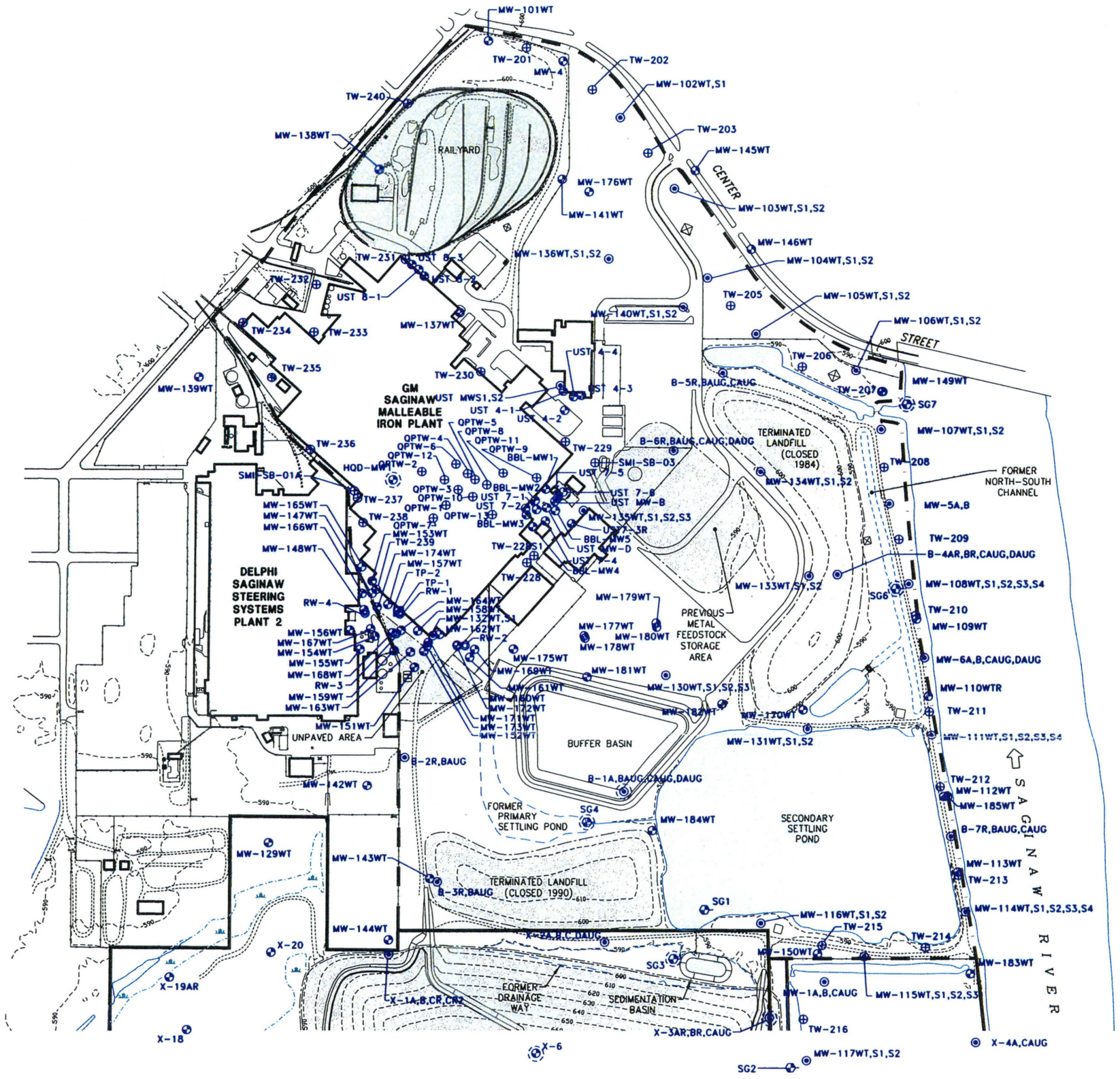
09/17/03 SYR-D85-DJH
27608090/27608n01.CDR

GM SAGINAW MALLEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

SITE LOCATION MAP

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE 1



LEGEND

- GM SAGINAW MALLEABLE IRON PLANT PROPERTY LINE (APPROX.)
- REALM, INC. PROPERTY LINE (APPROX.)
- UNPAVED ROAD
- GROUND SURFACE ELEVATION CONTOUR (10 FT INTERVAL)
- FENCE LINE
- SWAMPY AREA
- MW-4 — MONITORING WELL
- MW-102WT,S1 — MONITORING WELL CLUSTER
- SG5 — STAFF GAGE
- TW-203 — TEMPORARY MONITORING WELL
- TP-2 — PIEZOMETER
- RW-4 — RECOVERY WELL
- X-6 — ABANDONED MONITORING WELL
- SG3 — ABANDONED STAFF GAGE

NOTES:

1. THIS PHOTOGRAMMETRIC BASE MAP WAS PREPARED BY LOCKWOOD MAPPING, INC. OF ROCHESTER, NEW YORK. AERIAL PHOTOGRAPHY WAS CONDUCTED ON 11/11/94. ORIGINAL LOCKWOOD MAP WAS AT A SCALE OF 1"=100' AND WAS INTERPRETED FOR TWO-FOOT CONTOURS.
2. SAMPLING LOCATIONS SURVEYED BY ATWELL-HICKS, INC. UTICA, MICHIGAN, FILE NO. M1014SU2, FILE DATE 3/22/96, REVISED 8/8/96, OR SPICER GROUP.
3. VERTICAL DATUM REFERENCED TO NGVD OF 1929, HORIZONTAL DATUM REFERENCED TO MICHIGAN SPC-NAD 1983.
4. BASE MAP HAS BEEN MODIFIED TO INCORPORATE BUFFER BASIN AND SEDIMENTATION BASIN. SEDIMENTATION BASIN LOCATION FROM THE FINAL ENGINEERING DESIGN REPORT PREPARED BY BBL FOR THE GPL, DATED JANUARY, 1998.
5. PROPERTY BOUNDARY FOR REALM, INC. DIGITIZED FROM SPICER GROUP DRAWING NO. A-21854-1, DATED 3/27/98.
6. SOIL BORING LOCATIONS FOR SOUTHERN PROPERTY DIGITIZED FROM ECOLOGICAL RISK ASSESSMENT BY EXPONENT, DATED 9/18/00.

SCALE:
500' 0 500'

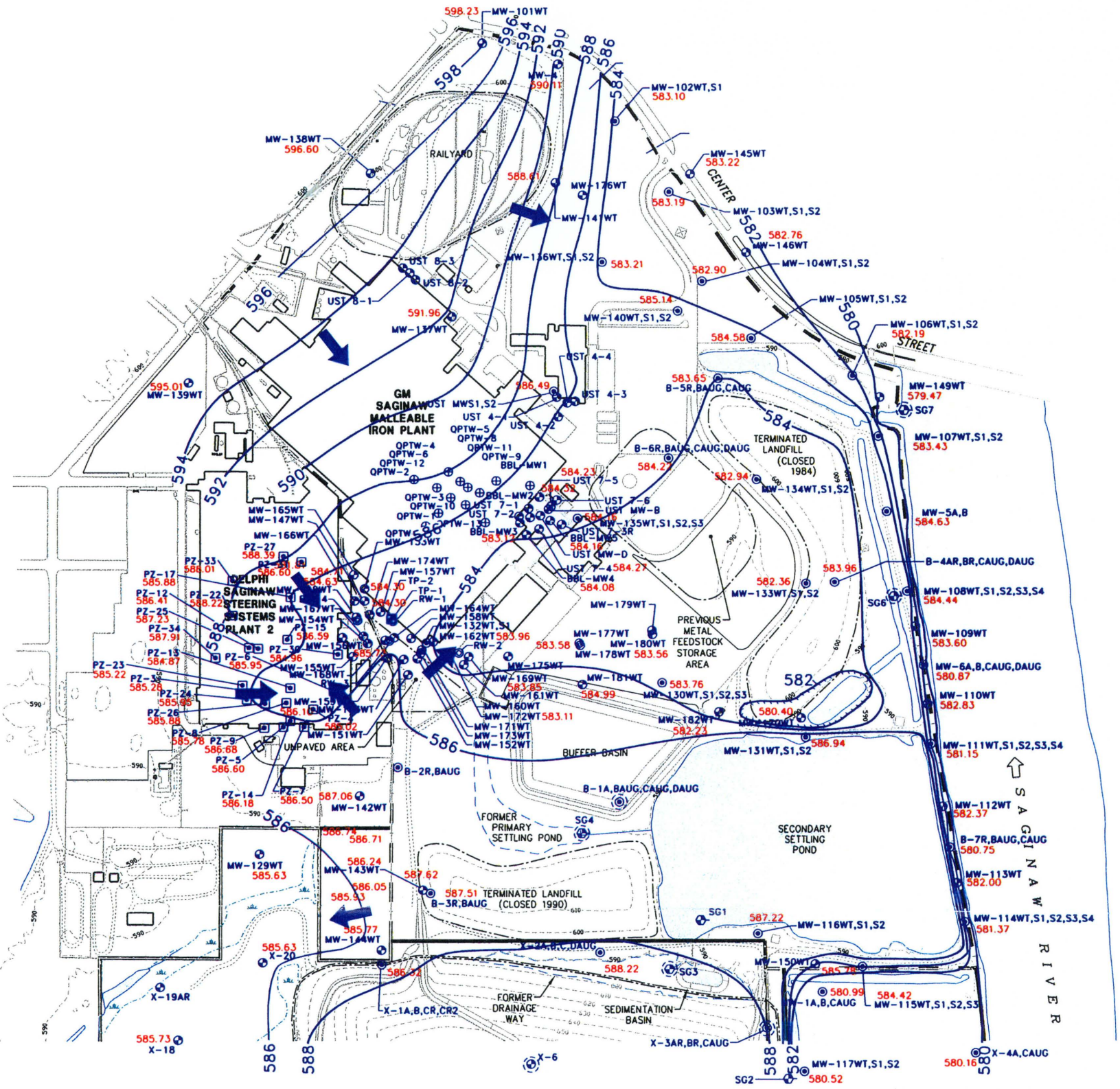
SAGINAW MALEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

MONITORING WELL AND TEMPORARY WELL LOCATION MAP

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 2

X: 93002X02.DWG
L: ON=*, OFF=*REF*
P: PAGESET/BP (PLTHALF.CTB)
9/16/03 SYR-54-DMW
27608090/SMI/27608B01.DWG



LEGEND

- GM SAGINAW MALLEABLE IRON PLANT PROPERTY LINE (APPROX.)
- REALM, INC. PROPERTY LINE (APPROX.)
- UNPAVED ROAD
- 620 GROUND SURFACE ELEVATION CONTOUR (10 FT INTERVAL)
- FENCE LINE
- SWAMPY AREA
- MW-4 MONITORING WELL
- MW-102WT,S1 MONITORING WELL CLUSTER
- SG5 STAFF GAGE
- TW-203 TEMPORARY MONITORING WELL
- TP-2 PIEZOMETER
- RW-4 RECOVERY WELL
- X-6 ABANDONED MONITORING WELL
- SG3 ABANDONED STAFF GAGE

582.88 GROUNDWATER ELEVATION (FEET AMSL)

582 GROUNDWATER ELEVATION CONTOUR LINE (FEET AMSL), DASHED WHERE INFERRED

GROUNDWATER FLOW DIRECTION

NOTES:

1. THIS PHOTOGRAMMETRIC BASE MAP WAS PREPARED BY LOCKWOOD MAPPING, INC. OF ROCHESTER, NEW YORK. AERIAL PHOTOGRAPHY WAS CONDUCTED ON 11/11/94. ORIGINAL LOCKWOOD MAP WAS AT A SCALE OF 1"=100' AND WAS INTERPRETED FOR TWO-FOOT CONTOURS.
2. SAMPLING LOCATIONS SURVEYED BY ATWELL-HICKS, INC. UTICA, MICHIGAN, FILE NO. M1014SU2, FILE DATE 3/22/96, REVISED 8/8/96, OR SPICER GROUP.
3. VERTICAL DATUM REFERENCED TO NGVD OF 1929, HORIZONTAL DATUM REFERENCED TO MICHIGAN SPC-NAD 1983.
4. BASE MAP HAS BEEN MODIFIED TO INCORPORATE BUFFER BASIN AND SEDIMENTATION BASIN. SEDIMENTATION BASIN LOCATION FROM THE FINAL ENGINEERING DESIGN REPORT PREPARED BY BBL FOR THE GPL, DATED JANUARY, 1998.
5. PROPERTY BOUNDARY FOR REALM, INC. DIGITIZED FROM SPICER GROUP DRAWING NO. A-21854-1, DATED 3/27/98.

SCALE:

500' 0 500'

SAGINAW MALEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

WATER TABLE ELEVATION CONTOUR MAP - MAY 16, 2000

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 3

L: ON= * OFF= *REF*
X: 27608XX1.DWG
P: 27608W01, BTDW01.PCP
9/16/03 SYR-54-DMW
27608090/SMI/27608W01.DWG

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	3639
CONNECTION TEL	19897591447
SUBADDRESS	
CONNECTION ID	SAGINAW CITY CLE
ST. TIME	09/18 16:23
USAGE T	06'57
PGS. SENT	16
RESULT	OK

FAX TRANSMISSION

BBL, INC.
6723 Towpath Road, Box 66
Syracuse, NY 13214
Phone: 315-446-9120
Fax: 315-446-8053

To:	City of Saginaw	**Fax #:**	989-759-1447
Date:	September 18, 2003	**Pages:**	16, including this page
From:	Lisa Coffey	**cc:**	
Subject:	General Motors Corporation Notice of Migration		
Project#	644.34		

COMMENTS:

Confidentiality Notice

This facsimile transmission, including this Cover Sheet and any accompanying documents (individually and collectively, the

Track Shipments
Detailed Results

Printable Version Quick Help

Tracking number	791005366085	**Reference number**	64434.001-0015764434.001
Signed for by	R.ROGERS		
Ship date	Sep 18, 2003	**Delivered to**	Mailroom
Delivery date/time	Sep 19, 2003 9:52 am	**Delivery location**	SAGINAW MI
		Service type	Priority Overnight

You can also track:
- By Alternate
- By Email
- TCN (Gov't

Track other FedEx
- FedEx Cust shipments
- FedEx Trad shipments
- Internationa

Date/time		Status	Location	Comments
Sep 19, 2003	9:52 am	**Delivered**	SAGINAW MI	
	8:34 am	On FedEx vehicle for delivery	FREELAND MI	
	8:15 am	Arrived at FedEx Destination Location	FREELAND MI	
	7:03 am	Left FedEx Ramp	FLINT MI	
	6:44 am	Arrived at FedEx Ramp	FLINT MI	
	4:42 am	Left FedEx Sort Facility	MEMPHIS TN	
	12:25 am	Left FedEx Sort Facility	MEMPHIS TN	
Sep 18, 2003	11:20 pm	Arrived at Sort Facility	MEMPHIS TN	
	9:46 pm	Left FedEx Ramp	SYRACUSE NY	
	8:41 pm	Arrived at FedEx Ramp	SYRACUSE NY	
	8:38 pm	Left FedEx Origin Location	NORTH SYRACUSE NY	
	5:24 pm	Picked up by FedEx	NORTH SYRACUSE NY	

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Worldwide Facilities Group
Remediation Team

Transmitted Via FedEx and Facsimile

September 18, 2003

Delphi Automotive Systems LLC
5725 Delphi Drive
Troy, MI 48098-2815

Re: General Motors Corporation Saginaw Malleable Iron Plant Property, Saginaw, Michigan
Notice of Migration

Dear Sirs:

The purpose of this letter is to provide you notice of the results of environmental investigations completed at the General Motors Corporation Saginaw Malleable Iron Plant Property, located immediately east of your property (Tax ID number 19 2231 00100) in Saginaw, Michigan (Figure 1). This notice is being made in accordance with Michigan Department of Environmental Quality (MDEQ) requirements.

Groundwater data collected at monitoring wells located upgradient of your property (Figures 2 and 3) indicate that concentrations of bis(2-ethylhexyl)phthalate and sodium have been detected at concentrations above MDEQ Generic Residential Drinking Water Criteria. The analytical data are shown in Tables 1 through 4. Note that the data were also compared to the other relevant Generic MDEQ Residential Criteria and were found not to exceed those values.

We are committed to protecting the health and safety of our neighbors. If you have any questions regarding the enclosed data, please call me at 248-680-5219.

Sincerely,

Cheryl R. Hiatt

Ms. Cheryl R. Hiatt
Senior Environmental Engineer
General Motors Corporation

cc: Mr. Edward Peterson, GM
Anthony Thrubis, GM

bcc: Lisa Coffey, BBL

TABLE 1a

GENERAL MOTORS SAGINAW MALLEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

ANALYTICAL DATA IN GROUNDWATER FOR WELLS ADJACENT TO DELPHI PROPERTY

Location ID Date Sampled Sample Type	Generic MDEQ Criteria Values RDW	B-2R 7/29/95 FS	B-2R 6/11/96 FS	B-2R 5/23/00 FS	B-2BAUG 7/29/95 FS	MW01-119S1 11/28/01 FS
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	7.70E+01	1.0 U	--	--	--	--
1,1,1-Trichloroethane	2.0E+2 {A}	1.0 U	--	--	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	8.50E+00	1.0 U	--	--	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	--	--	--	--	--	1.0 U
1,1,2-Trichloroethane	5.0E+0 {A}	1.0 U	--	--	1.0 U	1.0 U
1,1-Dichloroethane	8.8E+2	1.0 U	--	--	1.0 U	1.0 U
1,1-Dichloroethene	7.0E+0 {A,I}	1.0 U	--	--	1.0 U	1.0 U
1,2,3-Trichloropropane	4.20E+01	1.0 U	--	--	--	--
1,2-Dibromo-3-chloropropane	2.0E-1 {A}	R	--	--	--	2.0 U
1,2-Dibromoethane	1.0E+0 {A,M}	1.0 U	--	--	--	1.0 U
1,2-Dichloroethane	5.0E+0 {A,I}	1.0 U	--	--	1.0 U	1.0 U
1,2-Dichloroethene, Total	7.0E+1 {A}	1.0 U	--	--	1.0 U	--
1,2-Dichloropropane	5.0E+0 {A,I}	1.0 U	--	--	1.0 U	1.0 U
1,4-Dioxane	8.5E+1 {I}	R	--	--	--	--
2-Butanone	1.3E+4 {I}	5.0 UJ	--	--	50 U	10 U
2-Chloro-1,3-butadiene	--	1.0 U	--	--	--	--
2-Hexanone	1.00E+03	5.0 U	--	--	50 U	10 U
3-Chloro-1-propene	--	2.0 U	--	--	--	--
4-Methyl-2-pentanone	1.8E+3 {I}	5.0 U	--	--	50 U	10 U
Acetone	7.3E+2 {I}	10 UJ	--	--	**3.9 J**	10 U
Acetonitrile	1.40E+02	10 U	--	--	--	--
Acrolein	1.2E+2 {I}	R	--	--	--	--
Acrylonitrile	2.6E+0 {I}	10 U	--	--	--	--
Benzene	5.0E+0 {A,I}	1.0 U	--	--	1.0 U	1.0 U
Bromodichloromethane	1.0E+2 {A,W}	1.0 U	--	--	1.0 U	1.0 U
Bromoform	1.0E+2 {A,W}	1.0 U	--	--	1.0 U	1.0 U
Bromomethane	1.0E+1	1.0 U	--	--	1.0 U	1.0 U
Carbon disulfide	8.0E+2 {I,R}	1.0 U	--	--	50 U	1.0 U
Carbon tetrachloride	5.0E+0 {A}	1.0 U	--	--	1.0 U	1.0 U
Chlorobenzene	1.0E+2 {A,I}	1.0 U	--	--	1.0 U	1.0 U
Chlorodibromomethane	1.0E+2 {A,W}	1.0 U	--	--	1.0 U	1.0 U
Chloroethane	4.3E+2	1.0 U	--	--	1.0 U	1.0 U
Chloroform	1.0E+2 {A,W}	1.0 U	--	--	1.0 U	1.0 U
Chloromethane	2.6E+2 {I}	1.0 U	--	--	1.0 U	1.0 U
cis-1,2-Dichloroethene	7.0E+1 {A}	1.0 U	--	--	1.0 U	**0.25 J**
cis-1,3-Dichloropropene	2.10E+01	1.0 U	--	--	1.0 U	1.0 U
Dibromomethane	8.00E+01	1.0 U	--	--	--	--
Dichlorodifluoromethane	1.70E+03	1.0 U	--	--	--	1.0 U
Ethylbenzene	7.4E+1 {E,I}	1.0 U	--	--	1.0 U	1.0 U
Iodomethane	--	1.0 U	--	--	--	--
Isobutyl alcohol	2.3E+3 {I}	R	--	--	--	--
Methacrylonitrile	--	1.0 U	--	--	--	--
Methyl methacrylate	--	1.0 U	--	--	--	--
Methyl tert-butyl ether	--	1.0 U	--	--	1.0 U	5.0 U
Methylene chloride	5.0E+0 {A}	R	--	--	--	1.0 U
Propionitrile	--	10 U	--	--	--	--
Styrene	1.0E+2 {A}	1.0 U	--	--	1.0 U	1.0 U
Tetrachloroethene	5.0E+0 {A}	1.0 U	--	--	1.0 U	1.0 U
Toluene	7.9E+2 {E,I}	1.0 U	--	--	1.0 U	1.0 U
trans-1,2-Dichloroethene	1.0E+2 {A}	1.0 U	--	--	1.0 U	0.50 U
trans-1,3-Dichloropropene	2.10E+01	1.0 U	--	--	1.0 U	1.0 U
trans-1,4-Dichloro-2-butene	--	R	--	--	--	--
Trichloroethene	5.0E+0 {A}	1.0 U	--	--	1.0 U	1.0 U
Trichlorofluoromethane	2.60E+03	1.0 U	--	--	--	1.0 U
Vinyl acetate	6.4E+2 {I}	2.0 U	--	--	--	--
Vinyl chloride	2.0E+0 {A}	1.0 U	--	--	1.0 U	1.0 U
Xylenes, Total	2.8E+2 {E,I}	1.0 U	--	--	3.0 U	1.0 U
Semivolatile Organic Compounds						
1,2,4,5-Tetrachlorobenzene	1.3E+3 {S}	5.0 U	--	--	--	--
1,2,4-Trichlorobenzene	7.0E+1 {A}	50 U	5.0 U	5.0 U	5.0 U	1.0 U
1,2-Dichlorobenzene	6.0E+2 {A}	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U

See Generic Notes.

TABLE 1a

GENERAL MOTORS SAGINAW MALLEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

ANALYTICAL DATA IN GROUNDWATER FOR WELLS ADJACENT TO DELPHI PROPERTY

Location ID Date Sampled Sample Type	Generic MDEQ Criteria Values RDW	B-2R 7/29/95 FS	B-2R 6/11/96 FS	B-2R 5/23/00 FS	B-2BAUG 7/29/95 FS	MW01-119S1 11/28/01 FS
1,3,5-Trinitrobenzene	--	R	--	--	--	--
1,3-Dichlorobenzene	6.60E+00	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,3-Dinitrobenzene	--	5.0 U	--	--	--	--
1,4-Dichlorobenzene	7.5E+1 {A}	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,4-Naphthoquinone	--	50 U	--	--	--	--
1-Naphthylamine	--	10 U	--	--	--	--
2,2'-oxybis(dichloropropane)	--	5.0 U	5.0 U	5.0 U	5.0 U	--
2,3,4,6-Tetrachlorophenol	--	50 U	--	--	--	--
2,4,5-Trichlorophenol	7.30E+02	10 U	50 U	5.0 U	50 U	10 U
2,4,6-Trichlorophenol	1.20E+02	5.0 U	5.0 U	5.0 U	5.0 U	10 U
2,4-Dichlorophenol	7.30E+01	5.0 U	5.0 U	10 U	5.0 U	10 U
2,4-Dimethylphenol	3.7E+2	5.0 U	5.0 U	5.0 U	5.0 U	10 U
2,4-Dinitrophenol	--	20 U	20 U	20 U	20 UJ	--
2,4-Dinitrotoluene	7.70E+00	5.0 U	5.0 U	5.0 U	5.0 U	10 U
2,6-Dichlorophenol	--	5.0 U	--	--	--	--
2,6-Dinitrotoluene	--	5.0 U	5.0 U	5.0 U	5.0 U	10 U
2-Acetylaminofluorene	--	100 U	--	--	--	--
2-Chloronaphthalene	1.80E+03	5.0 U	5.0 U	5.0 U	5.0 U	10 U
2-Chlorophenol	4.5E+1	5.0 U	5.0 U	5.0 U	5.0 U	10 U
2-Methylnaphthalene	2.6E+2	5.0 U	5.0 U	5.0 U	5.0 U	10 U
2-Methylphenol	3.7E+2 {J}	5.0 U	5.0 U	5.0 U	5.0 U	10 U
2-Naphthylamine	--	10 U	--	--	--	--
2-Nitroaniline	--	20 U	20 U	20 U	20 U	10 U
2-Nitrophenol	2.00E+01	5.0 U	5.0 U	5.0 U	5.0 U	10 U
2-Picoline	--	20 U	--	--	--	--
3,3'-Dichlorobenzidine	1.10E+00	20 U	20 U	20 U	20 U	10 U
3,3'-Dimethylbenzidine	--	10 U	--	--	--	--
3-Methylcholanthrene	--	20 U	--	--	--	--
3-Methylphenol	3.7E+2 {J}	5.0 U	--	--	--	--
3-Nitroaniline	--	20 U	20 U	20 U	20 U	10 U
4,6-Dinitro-2-methylphenol	2.0E+1 {M}	20 U	20 U	20 U	20 U	25 U
4-Aminobiphenyl	--	50 U	--	--	--	--
4-Bromophenyl phenyl ether	--	5.0 U	5.0 U	5.0 U	5.0 U	10 U
4-Chloro-3-methylphenol	1.50E+02	5.0 U	5.0 U	5.0 U	5.0 U	10 U
4-Chloroaniline	--	10 U	20 U	10 U	20 U	10 U
4-Chlorophenyl phenyl ether	--	5.0 U	5.0 U	5.0 U	5.0 U	10 U
4-Methylphenol	3.7E+2 {J}	5.0 U	5.0 U	5.0 U	5.0 U	10 U
4-Nitroaniline	--	20 UJ	20 U	20 U	20 UJ	10 U
4-Nitrophenol	--	20 U	20 U	20 U	20 U	--
4-Nitroquinoline1-oxide	--	100 U	--	--	--	--
5-Nitro-o-toluidine	--	20 U	--	--	--	--
7,12-Dimethylbenz(a)anthracene	--	20 U	--	--	--	--
Acenaphthene	1.3E+3	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Acenaphthylene	5.20E+01	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Acetophenone	1.50E+03	10 U	--	--	--	10 U
alpha,alpha-Dimethyl phenethylamine	--	50 UJ	--	--	--	--
Aniline	5.30E+01	10 U	--	--	--	--
Anthracene	4.3E+1 {S}	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Atrazine	--	--	--	--	--	10 U
Benzo(a)anthracene	2.1E+0 {Q}	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Benzo(a)pyrene	5.0E+0 {A,Q}	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Benzo(b)fluoranthene	2.0E+0 {M,Q}	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Benzo(g,h,i)perylene	5.0E+0 {M}	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Benzo(k)fluoranthene	5.0E+0 {M,Q}	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Benzyl alcohol	1.00E+04	10 U	--	--	--	--
bis(2-Chloroethoxy)methane	--	5.0 U	5.0 U	5.0 U	5.0 U	10 U
bis(2-Chloroethyl)ether	2.0E+0 {I}	5.0 U	5.0 U	5.0 U	5.0 U	10 U
bis(2-Chloroisopropyl) ether	--	--	--	--	--	10 U
bis(2-Ethylhexyl)phthalate	6.0E+0 {A}	19 J	5.0 UJ	5.0 U	5.0 U	10 U
Butyl benzyl phthalate	1.2E+3	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Caprolactam	--	--	--	--	--	10 U
Carbazole	8.5E+1	--	10 U	10 U	10 U	10 U

See Generic Notes.

TABLE 1a

GENERAL MOTORS SAGINAW MALLEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

ANALYTICAL DATA IN GROUNDWATER FOR WELLS ADJACENT TO DELPHI PROPERTY

Location ID Date Sampled Sample Type	Generic MDEQ Criteria Values RDW	B-2R 7/29/95 FS	B-2R 6/11/96 FS	B-2R 5/23/00 FS	B-2BAUG 7/29/95 FS	MW01-119S1 11/28/01 FS
Chrysene	5.0E+0 {M,Q}	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Di-n-butyl phthalate	8.8E+2	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Di-n-octyl phthalate	1.3E+2	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Diallate	--	5.0 U	--	--	--	--
Dibenz(a,h)anthracene	2.0E+0 {M,Q}	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Dibenzofuran	ID	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Diethyl phthalate	5.5E+3	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Dimethyl phthalate	7.30E+04	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Diphenylamine	--	5.0 U	--	--	--	--
Ethyl methacrylate	--	1.0 U	--	--	--	--
Ethyl methanesulfonate	--	10 U	--	--	--	--
Fluoranthene	2.1E+2 {S}	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Fluorene	8.8E+2	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Hexachlorobenzene	1.0E+0 {A}	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Hexachlorobutadiene	1.50E+01	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Hexachlorocyclopentadiene	5.0E+1 {A}	5.0 U	5.0 U	5.0 U	5.0 UJ	10 U
Hexachloroethane	7.30E+00	5.0 U	2.0 U	5.0 U	5.0 U	10 U
Hexachloropropene	--	100 U	--	--	--	--
Indeno(1,2,3-cd)pyrene	2.0E+0 {M,Q}	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Isophorone	7.7E+2	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Isopropylbenzene	--	--	--	--	--	1.0 U
Isosafrole, Total	--	20 U	--	--	--	--
Methapyrilene	--	50 U	--	--	--	--
Methyl methanesulfonate	--	10 U	--	--	--	--
N-Nitroso-di-n-propylamine	5.0E+0 {M}	5.0 U	5.0 U	5.0 U	5.0 U	10 U
N-Nitrosodi-n-butylamine	--	10 U	--	--	--	--
N-Nitrosodiethylamine	--	10 U	--	--	--	--
N-Nitrosodimethylamine	--	5.0 U	--	--	--	--
N-Nitrosodiphenylamine	2.70E+02	5.0 U	5.0 U	5.0 U	5.0 U	10 U
N-Nitrosomethylethylamine	--	10 U	--	--	--	--
N-Nitrosomorpholine	--	10 U	--	--	--	--
N-Nitrosopiperidine	--	10 U	--	--	--	--
N-Nitrosopyrrolidine	--	10 U	--	--	--	--
Naphthalene	5.2E+2	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Nitrobenzene	3.4E+0 {I}	5.0 U	5.0 U	5.0 U	5.0 U	10 U
o-Toluidine	--	20 U	--	--	--	--
p-Chlorobenzilate	--	10 U	--	--	--	--
p-Dimethylaminoazobenzene	--	20 U	--	--	--	--
p-Phenylene diamine	--	100 U	--	--	--	--
Pentachlorobenzene	6.10E+00	5.0 U	--	--	--	--
Pentachloroethane	--	10 U	--	--	--	--
Pentachloronitrobenzene	3.2E+1 {S}	50 U	--	--	--	--
Pentachlorophenol	1.0E+0 {A}	25 U	25 U	1.0 U	25 U	10 U
Phenacetin	--	20 U	--	--	--	--
Phenanthrene	5.2E+1	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Phenol	4.4E+3	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Pronamide	--	20 U	--	--	--	--
Pyrene	1.4E+2 {S}	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Safrole, Total	--	20 U	--	--	--	--
Tetraethyl Dithiopyrophosphate	--	1.0 U	--	--	--	--
PCBs, Filtered						
Aroclor-1016	5.0E-1 {A,J,T}	0.20 U	--	--	0.23 U	--
Aroclor-1221	5.0E-1 {A,J,T}	0.20 U	--	--	0.23 U	--
Aroclor-1232	5.0E-1 {A,J,T}	0.40 U	--	--	0.46 U	--
Aroclor-1242	5.0E-1 {A,J,T}	0.20 U	--	--	0.23 U	--
Aroclor-1248	5.0E-1 {A,J,T}	0.20 U	--	--	0.23 U	--
Aroclor-1254	5.0E-1 {A,J,T}	0.20 U	--	--	0.23 U	--
Aroclor-1260	5.0E-1 {A,J,T}	0.20 U	--	--	0.23 U	--
Total PCBs	5.0E-1 {A,J,T}	ND	--	--	ND	--
PCBs, Unfiltered						
Aroclor-1016	5.0E-1 {A,J,T}	0.20 U	--	--	0.21 U	--
Aroclor-1221	5.0E-1 {A,J,T}	0.20 U	--	--	0.21 U	--

See Generic Notes.

TABLE 1a

GENERAL MOTORS SAGINAW MALLEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

ANALYTICAL DATA IN GROUNDWATER FOR WELLS ADJACENT TO DELPHI PROPERTY

Location ID Date Sampled Sample Type	Generic MDEQ Criteria Values RDW	B-2R 7/29/95 FS	B-2R 6/11/96 FS	B-2R 5/23/00 FS	B-2BAUG 7/29/95 FS	MW01-119S1 11/28/01 FS
Aroclor-1232	5.0E-1 {A,J,T}	0.40 U	--	--	0.42 U	--
Aroclor-1242	5.0E-1 {A,J,T}	0.20 U	--	--	0.21 U	--
Aroclor-1248	5.0E-1 {A,J,T}	0.20 U	--	--	0.21 U	--
Aroclor-1254	5.0E-1 {A,J,T}	0.20 U	--	--	0.21 U	--
Aroclor-1260	5.0E-1 {A,J,T}	0.20 U	--	--	0.21 U	--
Total PCBs	5.0E-1 {A,J,T}	ND	--	--	ND	--
Dioxin-Furans						
1,2,3,4,6,7,8-HpCDD	--	--	0.0000027 U	--	--	--
1,2,3,4,6,7,8-HpCDF	--	--	0.0000008 U	--	--	--
1,2,3,4,7,8,9-HpCDF	--	--	0.0000011 U	--	--	--
1,2,3,4,7,8-HxCDD	--	--	0.0000019 U	--	--	--
1,2,3,4,7,8-HxCDF	--	--	0.0000008 U	--	--	--
1,2,3,6,7,8-HxCDD	--	--	0.0000016 U	--	--	--
1,2,3,6,7,8-HxCDF	--	--	0.0000006 U	--	--	--
1,2,3,7,8,9-HxCDD	--	--	0.0000019 U	--	--	--
1,2,3,7,8,9-HxCDF	--	--	0.0000008 U	--	--	--
1,2,3,7,8-PeCDD	--	--	0.0000010 U	--	--	--
1,2,3,7,8-PeCDF	--	--	0.0000014 U	--	--	--
2,3,4,6,7,8-HxCDF	--	--	0.0000026 U	--	--	--
2,3,4,7,8-PeCDF	--	--	0.0000012 U	--	--	--
2,3,7,8-TCDD	--	0.0000033 U	0.0000019 U	--	--	--
2,3,7,8-TCDD TEQ	--	**0.0000043**	--	--	--	--
2,3,7,8-TCDF	--	--	0.0000012 U	--	--	--
HpCDDs, Total	--	--	0.0000027 U	--	--	--
HpCDFs, Total	--	--	0.0000011 U	--	--	--
HxCDDs, Total	--	0.000022 U	0.0000019 U	--	--	--
HxCDFs, Total	--	0.000012 U	0.0000026 U	--	--	--
OCDDs, Total	--	--	0.000012 U	--	--	--
OCDFs, Total	--	--	0.0000057 U	--	--	--
PeCDDs, Total	--	0.0000096 U	0.0000010 U	--	--	--
PeCDFs, Total	--	0.000060 U	0.0000014 U	--	--	--
TCDDs, Total	--	0.0000025 U	0.0000019 U	--	--	--
TCDFs, Total	--	**0.00006**	0.0000012 U	--	--	--
Herbicides						
2,4,5-T	--	1.0 UJ	--	--	--	--
2,4,5-TP(Silvex)	--	1.0 UJ	--	--	--	--
2,4-D	--	4.0 UJ	--	--	--	--
Dinoseb	--	0.60 UJ	--	--	--	--
Pesticides						
4,4'-DDD	--	0.020 U	--	--	--	--
4,4'-DDE	--	0.020 U	--	--	--	--
4,4'-DDT	--	0.020 UJ	--	--	--	--
Aldrin	--	0.010 U	--	--	--	--
alpha-BHC	--	0.010 U	--	--	--	--
alpha-Chlordane	--	0.020 U	--	--	--	--
beta-BHC	--	0.010 U	--	--	--	--
delta-BHC	--	0.010 U	--	--	--	--
Dieldrin	--	0.020 U	--	--	--	--
Dimethoate	--	1.0 U	--	--	--	--
Disulfoton	--	1.0 U	--	--	--	--
Endosulfan I	--	0.010 U	--	--	--	--
Endosulfan II	--	0.020 U	--	--	--	--
Endosulfan sulfate	--	0.020 U	--	--	--	--
Endrin	--	0.020 UJ	--	--	--	--
Endrin aldehyde	--	0.020 U	--	--	--	--
Famphur	--	1.0 U	--	--	--	--
gamma-BHC (Lindane)	--	0.010 U	--	--	--	--
gamma-Chlordane	--	0.020 U	--	--	--	--
Heptachlor	--	0.010 UJ	--	--	--	--
Heptachlor epoxide	--	0.010 U	--	--	--	--
Isodrin	--	0.10 UJ	--	--	--	--
Kepone	--	1.0 UJ	--	--	--	--

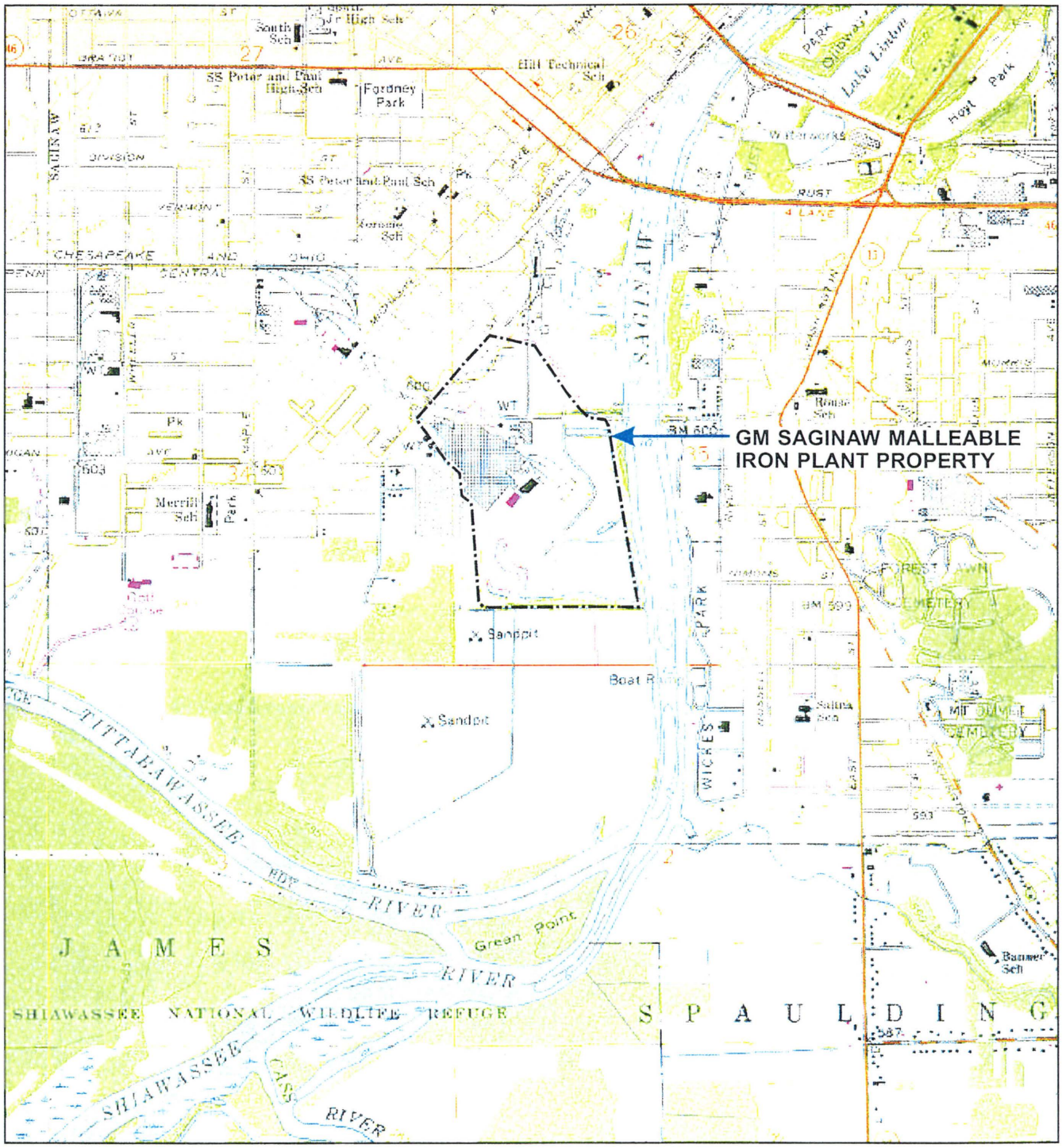
See Generic Notes.

TABLE 1a

GENERAL MOTORS SAGINAW MALLEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

ANALYTICAL DATA IN GROUNDWATER FOR WELLS ADJACENT TO DELPHI PROPERTY

Location ID Date Sampled Sample Type	Generic MDEQ Criteria Values RDW	B-2R 7/29/95 FS	B-2R 6/11/96 FS	B-2R 5/23/00 FS	B-2BAUG 7/29/95 FS	MW01-119S1 11/28/01 FS
Methoxychlor	--	0.10 UJ	--	--	--	--
Methyl parathion	--	1.0 U	--	--	--	--
O,O,O-Triethylphosphorothioate	--	1.0 U	--	--	--	--
Parathion	--	1.0 U	--	--	--	
Phorate	--	1.0 U	--	--	--	--
Thionazin (Zinophos)	--	1.0 U	--	--	--	--
Toxaphene	--	1.0 U	--	--	--	--
Inorganics, Filtered						
Aluminum	2.4E+2 {B,V}	--	--	--	100 U	--
Antimony	6.0E+0 {A}	5.0 U	--	--	5.0 U	--
Arsenic	5.0E+1 {A}	**3.5**	--	--	**1.2**	--
Barium	2.0E+3 {A,B}	**584**	--	--	200 U	--
Beryllium	4.0E+0 {A}	5.0 U	--	--	5.0 U	--
Cadmium	5.0E+0 {A,B}	0.20 UJ	--	--	0.20 UJ	--
Calcium	--	--	--	--	**127,000**	--
Chromium	1.0E+2 {A,B,H}	50 U	--	--	50 U	--
Cobalt	4.00E+01	50 U	--	--	50 U	--
Copper	1.0E+3 {B,E}	25 U	--	--	25 U	--
Iron	1.3E+4 {B,E}	--	--	--	**1,740**	--
Lead	6.0E+0 {B,L}	3.0 U	--	--	3.0 U	--
Magnesium	4.0E+5 {B}	--	--	--	**26,900**	--
Manganese	2.1E+3 {B,E}	--	--	--	**396**	--
Mercury	2.0E+0 {A,B,Z}	0.20 U	--	--	0.20 UJ	--
Nickel	1.0E+2 {A,B}	50 U	--	--	50 U	--
Potassium	--	--	--	--	5,000 U	--
Selenium	5.0E+1 {A,B}	5.0 U	--	--	5.0 U	--
Silver	3.4E+1 {B}	0.50 U	--	--	0.50 U	--
Sodium	1.20E+05	--	--	--	**433,000**	--
Thallium	2.0E+0 {A,B}	2.0 UJ	--	--	2.0 UJ	--
Tin	--	100 U	--	--	--	--
Vanadium	4.50E+00	20 U	--	--	20 U	--
Zinc	2.0E+4 {B}	20 U	--	--	20 U	--
Inorganics, Unfiltered						
Cyanide, Total	2.0E+2 {A,P,R}	7	--	--	5.0 U	--



NOTES:

1. Base map source: USGS 7.5 Min. Topo. Quad., Saginaw, Mich. (1967, Photorevised 1973).
2. Locations of Green Point Landfill and Drum Remediation Area are approximate.
3. All property boundary lines are approximate.

2,000 0 2,000

APPROX. SCALE 1" = 2,000 Feet

Area Enlargement

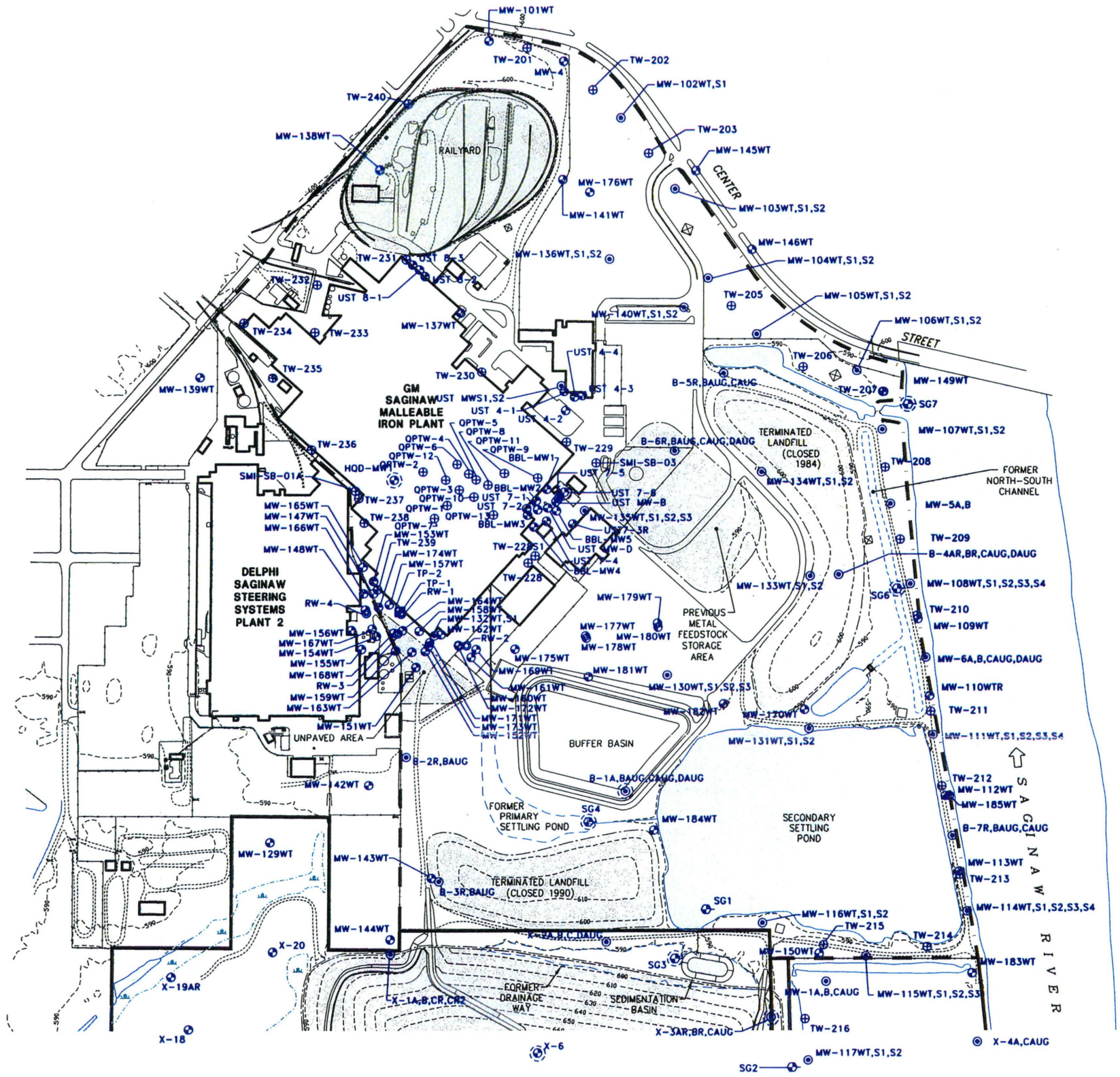
09/17/03 SYR-D85-DJH
27608090/27608n01.CDR

GM SAGINAW MALLEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

SITE LOCATION MAP

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE 1



LEGEND

- GM SAGINAW MALLEABLE IRON PLANT PROPERTY LINE (APPROX.)
- REALM, INC. PROPERTY LINE (APPROX.)
- UNPAVED ROAD
- GROUND SURFACE ELEVATION CONTOUR (10 FT INTERVAL)
- FENCE LINE
- SWAMPY AREA
- MW-4 — MONITORING WELL
- MW-102WT,S1 — MONITORING WELL CLUSTER
- SG5 — STAFF GAGE
- TW-203 — TEMPORARY MONITORING WELL
- TP-2 — PIEZOMETER
- RW-4 — RECOVERY WELL
- X-6 — ABANDONED MONITORING WELL
- SG3 — ABANDONED STAFF GAGE

NOTES:

1. THIS PHOTOGRAMMETRIC BASE MAP WAS PREPARED BY LOCKWOOD MAPPING, INC. OF ROCHESTER, NEW YORK. AERIAL PHOTOGRAPHY WAS CONDUCTED ON 11/11/94. ORIGINAL LOCKWOOD MAP WAS AT A SCALE OF 1"=100' AND WAS INTERPRETED FOR TWO-FOOT CONTOURS.
2. SAMPLING LOCATIONS SURVEYED BY ATWELL-HICKS, INC. UTICA, MICHIGAN, FILE NO. M1014SU2, FILE DATE 3/22/96, REVISED 8/8/96, OR SPICER GROUP.
3. VERTICAL DATUM REFERENCED TO NGVD OF 1929, HORIZONTAL DATUM REFERENCED TO MICHIGAN SPC-NAD 1983.
4. BASE MAP HAS BEEN MODIFIED TO INCORPORATE BUFFER BASIN AND SEDIMENTATION BASIN. SEDIMENTATION BASIN LOCATION FROM THE FINAL ENGINEERING DESIGN REPORT PREPARED BY BBL FOR THE GPL, DATED JANUARY, 1998.
5. PROPERTY BOUNDARY FOR REALM, INC. DIGITIZED FROM SPICER GROUP DRAWING NO. A-21854-1, DATED 3/27/98.
6. SOIL BORING LOCATIONS FOR SOUTHERN PROPERTY DIGITIZED FROM ECOLOGICAL RISK ASSESSMENT BY EXPONENT, DATED 9/18/00.

SCALE:
500' 0 500'

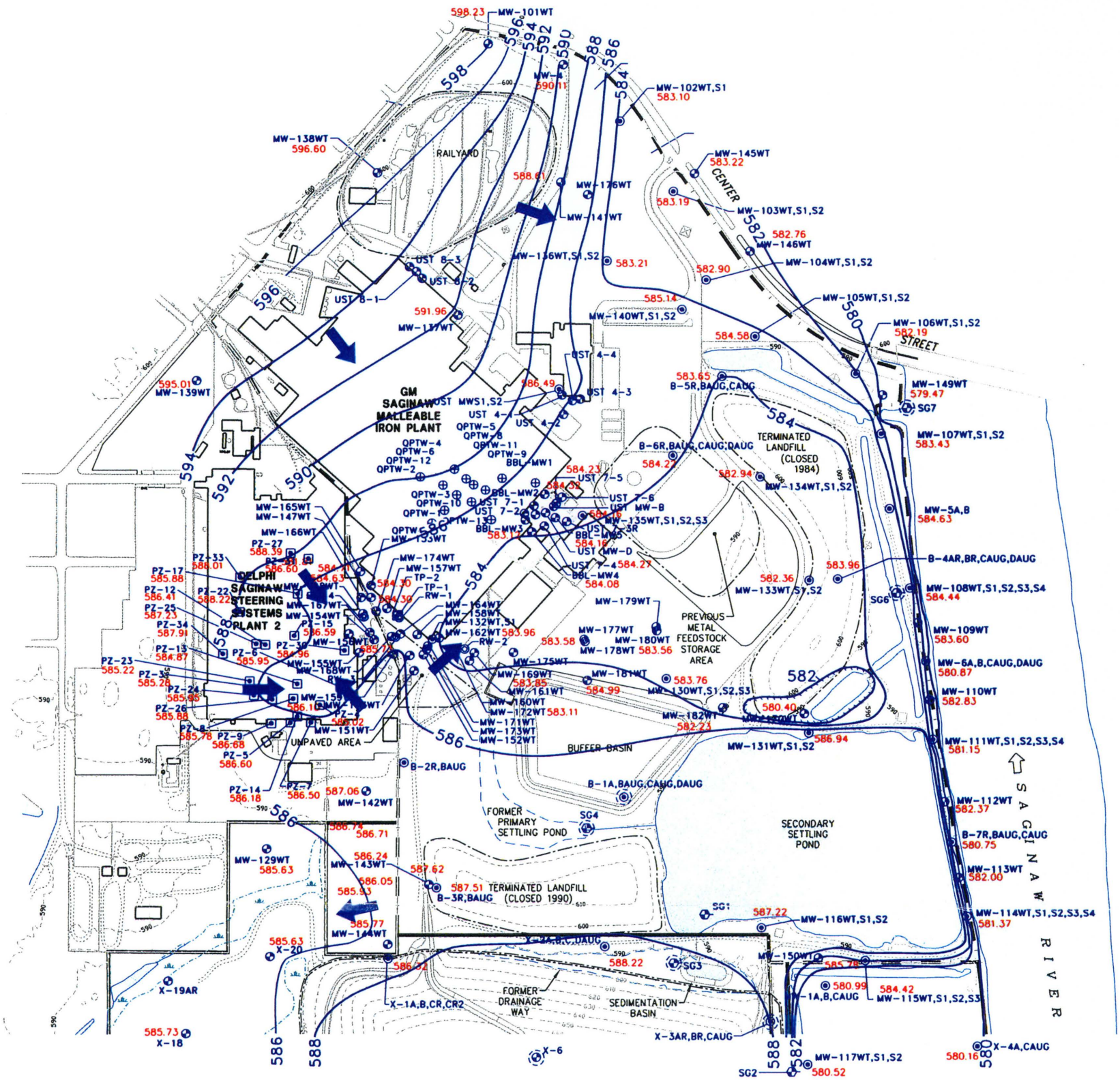
SAGINAW MALEABLE IRON PLANT PROPERTY
SAGINAW, MICHIGAN

MONITORING WELL AND TEMPORARY WELL LOCATION MAP

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE 2

X: 93002X02.DWG
L: ON=*, OFF=*REF*
P: PAGESET/BP (PLTHALF.CTB)
9/16/03 SYR-54-DMW
27608090/SMI/27608B01.DWG


GM SAGINAW MALLEABLE IRON PLANT
DELPHI SAGINAW STEERING SYSTEMS PLANT 2
RAILYARD
UNPAVED AREA
TERMINATED LANDFILL (CLOSED 1984)
TERMINATED LANDFILL (CLOSED 1990)
PREVIOUS METAL FEEDSTOCK STORAGE AREA
BUFFER BASIN
FORMER PRIMARY SETTLING POND
SECONDARY SETTLING POND
FORMER DRAINAGE WAY
SEDIMENTATION BASIN
CENTER STREET
SAGINAW RIVER
MW-101WT 598.23
MW-102WT,S1 583.10
MW-103WT,S1,S2 583.19
MW-104WT,S1,S2 582.90
MW-105WT,S1,S2 585.14
MW-106WT,S1,S2 582.19
MW-107WT,S1,S2 583.43
MW-108WT,S1,S2,S3,S4 584.44
MW-109WT 583.60
MW-110WT 582.83
MW-111WT,S1,S2,S3,S4 581.15
MW-112WT 582.37
MW-113WT 582.00
MW-114WT,S1,S2,S3,S4 581.37
MW-115WT,S1,S2,S3 584.42
MW-116WT,S1,S2 587.22
MW-117WT,S1,S2 580.52
MW-129WT 585.63
MW-130WT,S1,S2,S3 583.76
MW-131WT,S1,S2 586.94
MW-132WT,S1,S2,S3 583.96
MW-133WT,S1,S2 582.36
MW-134WT,S1,S2 582.94
MW-135WT,S1,S2,S3 584.16
MW-136WT,S1,S2 583.21
MW-137WT 591.96
MW-138WT 596.60
MW-139WT 595.01
MW-140WT,S1,S2 585.14
MW-141WT 588.61
MW-142WT 587.06
MW-143WT 586.24
MW-144WT 585.77
MW-145WT 583.22
MW-146WT 582.76
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MW-222WT

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	3638
CONNECTION TEL	12488132670
SUBADDRESS	
CONNECTION ID	
ST. TIME	09/18 16:21
USAGE T	01'56
PGS. SENT	10
RESULT	OK

FAX TRANSMISSION

BBL, INC.
6723 Towpath Road, Box 66
Syracuse, NY 13214
Phone: 315-446-9120
Fax: 315-446-8053

To:	Delphi Automotive Systems	**Fax #:**	248-813-2670
Date:	September 18, 2003	**Pages:**	10, including this page
From:	Lisa Coffey	**cc:**	
Subject:	General Motors Corporation Notice of Migration		
Project#	644.34		

COMMENTS:

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Track Shipments
Detailed Results

Printable Version Quick Help

Tracking number	791005369073	**Reference number**	64434.001-0015764434.001
Signed for by	T.BROWN		
Ship date	Sep 18, 2003	**Delivered to**	Ship'g/Receiv'g
Delivery date/time	Sep 19, 2003 9:19 am	**Delivery location**	TROY MI
		Service type	Priority Overnight

Date/time		Status	Location	Comments
Sep 19, 2003	9:19 am	**Delivered**	TROY MI	
	8:38 am	On FedEx vehicle for delivery	AUBURN HILLS MI	
	7:21 am	Arrived at FedEx Destination Location	AUBURN HILLS MI	
	7:19 am	Left FedEx Ramp	ROMULUS MI	
	6:26 am	Arrived at FedEx Ramp	ROMULUS MI	
	2:35 am	Left FedEx Sort Facility	NEWARK NJ	
Sep 18, 2003	10:08 pm	Left FedEx Ramp	SYRACUSE NY	
	8:41 pm	Arrived at FedEx Ramp	SYRACUSE NY	
	8:38 pm	Left FedEx Origin Location	NORTH SYRACUSE NY	
	5:24 pm	Picked up by FedEx	NORTH SYRACUSE NY	

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Signature proof | Track more shipments

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