



Site Summary & Work Plan Package Vapor Intrusion Evaluations for New York State Remedial Sites

Huntington Landfill Site

NYSDEC Site ID # 1-52-040

Town of Huntington Suffolk County

NYSDEC Project Manager: Strang

NYSDOH Project Manager: Mitchell

NYSDEC field investigations conducted to determine if there is soil vapor contamination at the site and to determine the extent to which these contaminants pose a threat to human health and the environment.

Soil gas investigations performed in accordance with the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York.

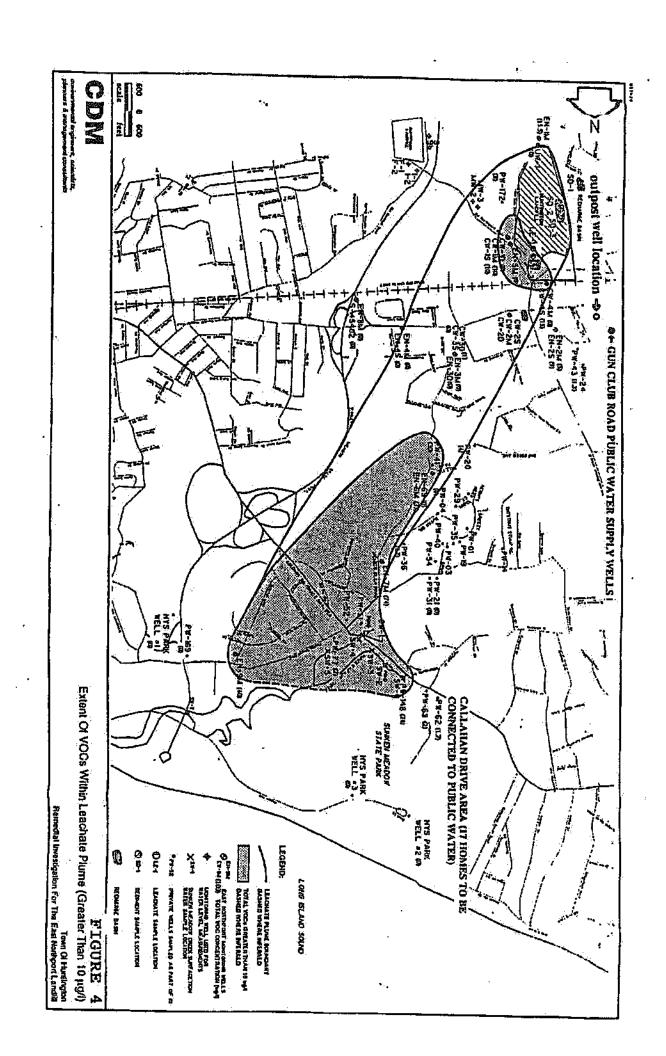
Site Information Summary for Triage Sites

			•		
Huntington Landfill Site code: 152040	Loca	ality: Suffolk (C	C) Huntington (T)		Site class: 04
Site Address:	Bur	reau: BURA		Data Needs	
Town Line Road	DFC Mana	ager: Strang	1 To 1	oundwater Soil	Soil vapor
Huntington				Depth (ft) Depth Conc (ppb) Conc	Depth Conc
	DOH Mana	ager: Mitchell		Extent Exten	=
Site conta	ct information:				
Contact:			Phon	e:	
Address:			Fa	x:	
			Ema	ii: ———	
-					
DOH assessment:	This closed municipal landfill, located in in the sole source aquifer. This plume is downgradient of the landfill have been operameters. These contaminants have three phases of providing public water thandfill leachate plume. A Consent Order calls for capping of the landfill concurre Huntington has entered into a state associated with the site boundary with the source recovery plant. The Interest of 1991, the site boundary with the source recovery plant. The Interest of 1993 by the Town's consultant and appaperoved by the NYSDEC on August 3, cap and gas collection system) was conceports of the site include a NYSDEC Phase consultants. The RI/FS was completed public water supply protection/institution of the Gun Club Road public supply well submitted on this site by the Town. Downgradient monitoring wells and son associated with the landfill. Homes with by the groundwater contaminant plume constructed on the landfill includes a gather landfill cap will be maintained on a	nas traveled at leacontaminated with also been detected to residents whose er for a full remedialistance contract whas modified to exterim Remedial Proved for construct 1994. The landfil structed with the ase I and numero in November, 198 and controls reme was constructed with private wells with private wells can incomplete the private wells can be collection/contract.	ast two miles to the a tetrachloroethylenged in downgradient rewells have been or dial program was signal Investigation/Feasyhich provides for 75 clude the 12-acre learning to the NYSDEO I closure system util completion in Augustus groundwater sands. A Record of Deody was selected. An in January 1997. More contaminated with sit he landfill have been of system to preven	northeast. Private reside (PCE) and landfill leach monitoring wells. There is potentially will be impaned on March 26, 1991. Sibility Study (RI/FS). The sasehold property, now the cap design was compled. A second "alternative distance of the compound of the compound of the compound of the compound of the compounds or no connected to public was the off-site migration of the compounds or no connected to public was the off-site migration of the content of the compounds or no connected to public was the conficient of the confidence	ential wells nate have been cted by the The order ne Town of ible costs. In he site of the ted in July of " design was esign (landfill onmental wn's th, 1996. A Il upgradient gularly c compounds threatened iter. The cap of landfill gas.
Operable units: OU: 01 REMEDIAL F	PROGRAM ROD year: 1996		Bureau:	BURA	
CONTRACTOR OF CONTRACTOR	CVOCs present? CVOC in groundway	ater (ug/L)	List volatile chemi	cals of concern (includin ETHYLENE (PCE OR "PER	
CVOC in soil (ppm)	Depth to max soil conc (ft)				
Remedy	Remedy co	omments		Date o	ompleted
6 NYCRR Part 360				F	rch 1996
Plume MAnagemen	t Monitoring			Jü	ily 2004

Site Information Summary for Triage Sites

Huntington Landfill Site code: 152040		Locality:	Suffolk (C)) Huntington (T)		Site class: 04
OU: 02A IRM WATER	R	ROD year: N/A		Bureau:	BURA	
VOCs present? y	CVOCs present? y	CVOC in groundwater (ug/L)		nicals of concern (in OETHYLENE (PCE O	ncluding non-CVOCs) R "PERC.")
CVOC in soil (ppm)	Depth to	max soil conc (ft)				
Remedy		Remedy comme	<u>ents</u>		Ì	Date completed
Plume size	70	Are CVOCs present in water table aquifer? _ Is contamination overlain by clean groundwater? _ Is there an off-site plume? _		Analytic	Soil Groundwater Soil vapor Sub-slab Indoor air Outdoor air	Date
Potential receptors: Land use (onsite) Number of structures Construction type Slab-on-grade Basement Crawlspace Comments:	: Other	Distance stri Est. number of structur	to nearest ructure (ft) of impacted		Sensiti receptor	ve

Note: Attach site map showing proposed sampling locations and copies of most recent sampling data.



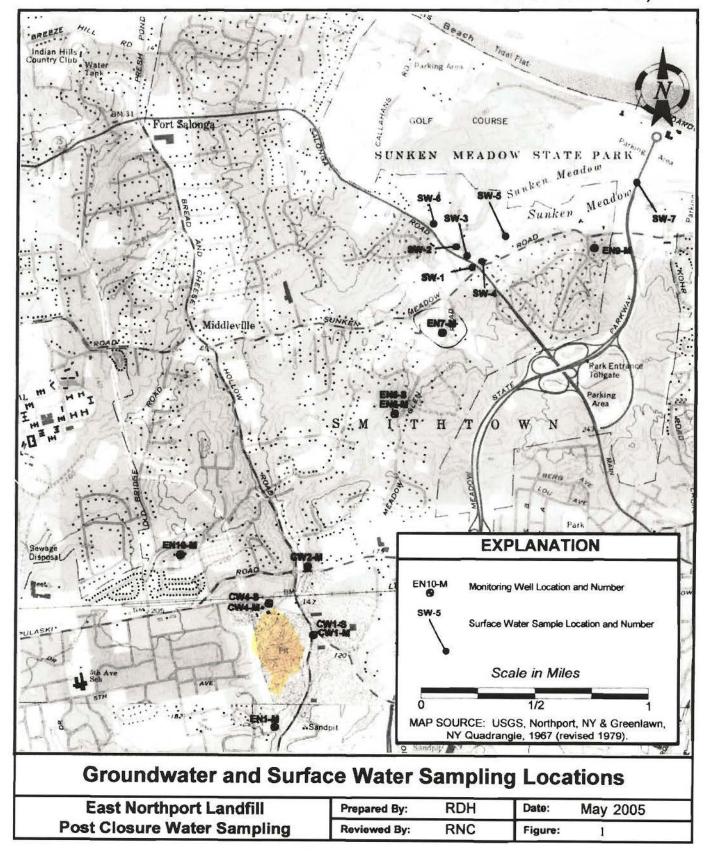


Table 2

Summary of Analytical Results-Groundwater East Northport Landfill, East Northport, NY Sampled September 7-8, 2005 Volatile Organic Compounds

Reported in Micrograms per Liter

Parameter .	CW1-S	CW1-M	CW2-M	CW4-S	CW4-M	EN1-M	EN6-S	EN6-M	EN7-M	EN9-M	EN10-M	GW-B	TB-GW	FB9-8	NYSDEC Class GA Standard
Chloromethane	ND(0.45).	ND(0:45)	ND(0.45)	ND(0.45)	ND(0.45)	ND(0.45)	ND(0.45)	ND(0.45)	ND(0.45)	ND(0.45)	ND(0.45)	ND(0.45)	ND(0.45)	ND(0.45)	NS/GV
Bromomethane	ND(1.3)	ND(1.3)	ND(1.3)	ND(1,3)	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.3)	NO(1.3)	ND(1.3)	ND(1.3)	5.0
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(0.62)	ND(0.62)	ND(0.62)	ND(0.62)	NO(0:62)	3.8 J	ND(0.62)	ND(0.62)	ND(0.62)	ND(0.62)	ND(0:62)	2.0
Chloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1,1)	ND(1:1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	5.0
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(0.98)	ND(0.98)	ND(0.98)	ND(0.98)	ND(0.98)	ND(0.98)	ND(0.98)	ND(0.98)	ND(0.98)	ND(0.98)	3.9 JB	5.0
Trichloroficuromethane	ND(0,58)	ND(0.58)	ND(0.58)	ND(0.58)	ND(0.58)	ND(0.58)	ND(0.58)	ND(0.58)	ND(0.58)	ND(0.58)	ND(0.58)	ND(0.58)	ND(0.58)	ND(0.58)	5.0
1,1-Dichloroethene	ND(0,33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	1.7.J	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	5.0
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	1.9,1	ND(0.28)	1.3 J	2.7 J	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	5.0
trans-1,2-Dichloroethene	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0,40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0:40)	5.0
Chiloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.6 J	1,2.J	1.1 J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	:ND(0.18)	ND(0.18)	7 ,D
1,2-Dichloroethane	ND(0.28)	NO(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0:28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	5:0
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	NO(0.17)	ND(0.17)	0.8 J	2.9.1	0.5 J	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0:17)	5.0
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0:34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	5:0
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0:30).	ND(0.30)	ND(0.30)	ND(0:30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	50.0 GV
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(0:27)	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	ND(0:27)	ND(0.27)	ND(0.27)	ND(0.27)	5.0
cis-1.3-Dichloropropene	ND(0.25)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	0.4*
Trichloroethene	ND(0.59)	ND(0.59)	0.8 J	NO(0.59)	ND(0.59)	ND(0.59)	ND(0.59)	1.5 J	5.8	ND(0.59)	ND(0.59)	.ND(0.59)	ND(0.59)	ND(0.59)	5.0
Benzene	1.9 J	ND(0.35)	ND(0.35)	ND(0:35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	0.9 J	ND(0.35)	ND(0.35)	ND(0.35)	ND(0,35)	ND(0.35)	1.0
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	50.0 GV
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.29)	ND(0,29)	ND(0.29)	ND(0,29)	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.29)	Ö:4*
1,1,2-Trichforoethane	ND(0.36)	ND(0,36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	1.0
2-Chloroethylvinyl Ether	ND(6.2)	ND(6.2)	ND(6:2)	ND(6.2)	ND(6.2)	ND(6.2)	ND(6.2)	ND(6.2)	ND(6.2)	ND(6.2)	ND(6.2)	NO(6.2)	ND(6.2)	ND(6.2)	NS/GV
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	50.0 GV
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0,35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0/35)	5.0
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	ND(0,74)	ND(0.74)	4.9 J	10.0	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	5.0
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.3B)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0:38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	0.7.J	5.0
Chlorobenzene	6.6	0.9 J	ND(0.47)	ND(0.47)	ND(0.47)	ND(0,47)	ND(0.47)	ND(0,47)	1.8 J	ND(0.47)	ND(0.47)	0.8 J	ND(0.47)	ND(0.47)	5.0

Contaminant	CW1-S	CW1-M	CW2-M	CW4-S	CW4-M	EN1-M	EN6-S	EN6-M	EN7-M	EN9-M	EN10-M	GW-B	TB-GW	FB4-12	NYSDEC Class GA Standard
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0:50)	ND(0.50)	5.0							
1,2-Dichlorobenzene	ND(0.67)	0.9 J	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	3.0							
1,3-Dichtorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(0.65)	ND(0:65)	ND(0.65)	3.0								
1,4-Dichlorobenzene	1.5 J	ND(0.79)	3.2 J	ND(0.79)	ND(0.79)	ND(0.79)	ND(0.79)	ND(0.79)	3.0						

Note:

ND(): Compound not detected at the method detection limit

NYSDEC Class GA Standards: New York State Department of Environmental Conservation Ambient Water Quality Standards for Source of Drinking Water Title 6 Part 703 (per June 1998 revision)

GV: NYSDEC Guidance Value for Source of Drinking Water

NS/GV: No NYSDEC Standard or Guidance Value Established

J. Indicates an estimated value, compound is present at a concentration less than specified detection limit

B: Analyle Found in Associated Method Blank

*Standard of 0.4 applies to sum of cis and trans 1,3-Dichloropropene

Table 3

Summary of Analytical Results-Surface Water East Northport Landfill, East Northport, NY Sampled September 7, 2005 Volatile Organic Compounds

Reported in Micrograms per liter

Parameter	SW-1	SW-2	SW-3	SW-4_	SW-5	SW-6	SW-7	SW-B	TB-SW	NYSDEC Class GA Standard
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(0.45)	ND(0.45)	ND(0.45)	ND(0.45)	ND(0.45)	ND(0.45)	NS/GV
Bromomethane	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.3)	5.0
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0,62)	ND(0.62)	ND(0.62)	ND(0:62)	ND(0.62)	ND(0.62)	ND(0.62)	2.0
Chloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1/1)	5.0
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(0.98)	ND(0.98)	ND(0.98)	ND(0.98)	ND(0.98)	1.1 JB	5.0
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(0:58)	ND(0:58)	ND(0.58)	ND(0.58)	ND(0.58)	ND(0.58)	5.0
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0:33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	5.0
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	5.0
trans 1,2-Dichloroethene	ND(0.40)	ND(0.40)	ND(0:40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	5.0
Chloroform	ND(0.18)	ND(0.18)	0.6 J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	7.0
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0:28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	5,0
1,1,1-Trichloroethane	ND(0.17)	ND(0:17)	ND(0.17)	_ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	5.0
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	5.0
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(0:30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	50.0 GV
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	5.0
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0:26)	ND(0.26)	ND(0.26)	0.4*
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(0.59)	ND(0.59)	ND(0.59)	ND(0.59)	0.7 J	ND(0.59)	5:0
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(0,35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0:35)	ND(0.35)	1.0
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0,22)	ND(0:22)	ND(0.22)	50.0 GV
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.29)	ND(0:29)	ND(0,29)	ND(0,29)	ND(0.29)	0.4*
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0,36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	1.0
2-Chloroethylvinyl Ether	ND(6.2)	ND(6:2)	ND(6.2)	ND(6.2)	ND(6,2)	ND(6.2)	ND(6.2)	ND(6.2)	ND(6.2)	NS/GV
Bromoform	ND(0.22)	ND(0.22)	ND(0:22)	ND(0,22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0 22)	50.0 GV
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	5.0
Tetrachloroethene	2.1 J	2.0 J	2.1 J	1.7 J	ND(0.74)	ND(0.74)	ND(0.74)	1.9 J	ND(0.74)	5.0
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	5.0
Chlorobenzene	ND(0.47)	ND(0,47)	ND(0,47)	ND(0.47)	ND(0:47)	ND(0.47)	ND(0.47)	ND(0.47)	ND(0.47)	5:0

Table 3 continued

page 2 of 2

Contaminant	SW-1	SW-2	SW-3	SW-4	SW-5	SW-6	SW-7	SW-B	TB-SW	NYSDEC Class GA Standard
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(0,50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	5.0
1,2-Dichlorobenzene	ND(0.67)	3.0								
1,3-Dichlorobenzene	ND(0.65)	ND(0:65)	3.0							
1,4-Dichlorobenzene	ND(0.79)	3.0								

Note:

ND(). Compound not detected at the method detection limit

NYSDEC Class GA Standards: New York State Department of Environmental Conservation Ambient Water Quality Standards for Source of Drinking Water Title 6 Part 703 (per June 1998 revision)

GV: NYSDEC Class GA Guidance Value for Source of Drinking Water NS/GV: No NYSDEC Standard or Guidance Value Established

*Standard of 0.4 applies to sum of cis and trans 1,3-Dichloropropene

J. Indicates an estimated value, compound is present at a concentration less than specified detection limit