

**MWH**

MONTGOMERY WATSON HARZA

LETTER OF TRANSMITTAL

To: New York State Dept. of Date: March 27, 2002
Environmental Conservation Project Name: NYSDOT
625 Broadway, 11th Floor Barlow Road
Albany, NY 12233-7014
Attn.: Cynthia Whitfield Project No.: 8334 / 4060163

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NO.	ORIGIN LS	PRINTS	PHOTOCOPIES	DISKS	DATES	DESCRIPTION
1			1 ea			Quarterly Monitoring Reports: July 2000, October 2000, January 2001, April 2001, July 2001, October 2001
2						
3						
4						

REMARKS:

MAR 29 2002

COPIES TO: M. Brophy (T) SIGNED: Richard Mitchell

August 30, 2000

John LaBarge, P.E., Director
New York State Department
of Transportation
Consultant Management Bureau
State Office Building Campus
Building 4, Room G-01
1220 Washington Avenue
Albany, NY 12232

MAR 29 2002

Attn: Gregory E. Menard, P.E.

Subject: July 2000 Post-IRM Quarterly Groundwater Monitoring
Barlow Road Air Sparging System
PIN 9803.62.301
Harza No. 8334

Ladies and Gentlemen:

This letter constitutes Harza Engineering Company's report on the July 2000 quarterly groundwater monitoring event at the Barlow Road Maintenance Facility. The site air sparging system was turned off on September 20, 1999, with NYSDEC consent following the September 14, 1999, project meeting between representatives of the NYSDOT and the NYSDEC.

The results of the repeat baseline groundwater monitoring performed in October 1999 were presented in the Harza report dated December 21, 1999. The repeat baseline monitoring report concluded that TCE concentrations in groundwater had not rebounded above the system reactivation level of 500 ppb. The report made recommendations for points to be monitored quarterly during the first year of post-IRM monitoring. The recommended monitoring network was accepted by the NYSDOT. Due to policy changes, the NYSDEC declined further involvement in this project because it is not in a formal NYSDEC program. Subsequent meetings were held with the NYSDEC in June and July 2000 to resolve the involvement issue. The DEC is currently reviewing past project reports before determining their position in this matter.

The first quarterly post-IRM groundwater monitoring event was performed in January 2000. Results of this round of sampling were presented in the Harza report of February 22, 2000. Results of the January sampling indicated that none of the monitored points had rebounded above the 500 ppb TCE system reactivation level. Continued quarterly monitoring for one full year after cessation of air sparging was recommended.

Results of the April 2000 second quarterly post-IRM monitoring event (Harza report dated May 22, 2000) indicated TCE concentrations in excess of the 500 ppb system reactivation level at SV-14 (941 ppb) and FH-X-12 (558 ppb). In accordance with the project *Environmental Monitoring Plan*, continued monitoring was recommended to see if TCE concentrations in these two wells remained above 500 ppb for two consecutive quarters, necessitating reactivation of the system.

1.0 Shallow Water Table Aquifer Quarterly Post-IRM Monitoring – July 2000 (Third Post-IRM Quarter)

The quarterly post-IRM monitoring points for the shallow water table aquifer are SS-4, SS-5, SS-8, SS-10, SS-12, FH-X-12, SV-14, and MW-13. The results of analyses performed on groundwater samples collected from the shallow water table aquifer are summarized in Table 1. Monitoring point locations are shown on Figures 1 and 2. The laboratory report for the July 2000 quarterly groundwater sampling is presented in Attachment 1.

Between the April and July 2000 quarterly sampling events, TCE concentrations in the shallow portion of the water table aquifer increased at SS-4 (66 to 185 ppb), SS-5 (39 to 218 ppb), SS-10 (81 to 91 ppb), SS-12 (84 to 134 ppb), and FH-X-12 (558 to 604 ppb). The TCE concentration detected in FH-X-12 has exceeded the 500 ppb system reactivation level for two consecutive quarters. The *Environmental Monitoring Plan* calls for reactivation of the system if TCE concentrations exceed 500 ppb at a monitoring point for two consecutive quarters.

TCE concentrations decreased or remained essentially the same at SS-8 (259 to 262 ppb), SV-14 (941 to 159 ppb), and MW-13 (2.5 to 2.7 ppb). The TCE concentration at SV-14 fell below the 500 ppb reactivation level in July 2000.

In January 2000, 6.4 ppb of TCE was detected at MW-13, located at the downgradient property line. This was the first time that a sample from this well exceeded the groundwater standard of 5 ppb for TCE. April 2000 results indicated that the TCE concentration in MW-13 (2.5 ppb) fell below the 5 ppb groundwater standard. The July 2000 TCE concentration detected at MW-13 was 2.7 ppb.

Other VOCs detected in the shallow monitoring points in July 2000 were cis-1,2-dichloroethene (SS-4, SS-5, SS-8, SS-10, SS-12, SV-14, and FH-X-12). Other chlorinated VOCs detected at SV-14 were 1,1,1-trichloroethane and vinyl chloride. Concentrations of refined petroleum product related VOCs continue to be detected at SV-14.

2.0 Deep Water Table Aquifer Quarterly Post-IRM Monitoring – July 2000 (Third Post-IRM Quarter)

The quarterly monitoring points for the deep portion of the water table aquifer are DS-2, DV-1, DV-4, DV-5, and DV-8 (Figure 1). The results of analyses performed on groundwater samples collected from the deep water table aquifer are summarized in Table 2. The laboratory report for the July 2000 quarterly groundwater sampling is presented in Attachment 1.

Between the April and July 2000 quarterly sampling events, TCE concentrations increased in all five deep monitoring points: DS-2 (101 to 119 ppb), DV-1 (75 to 139 ppb), DV-4 (71 to 97 ppb), DV-5 (10 to 13 ppb), and DV-8 (97 to 109 ppb). In no instance has the 500 ppb TCE system reactivation level been exceeded in the deep portion of the water table aquifer since cessation of sparging. Cis-1,2-dichloroethene was detected in all of the deep water table aquifer monitoring points. Benzene and toluene were detected in DV-8, on the upgradient side of the IRM area.

3.0 Recommendations

Reactivation of the sparge system may be considered based on the results of monitoring at FH-X-12. TCE concentrations measured in this well (558 ppb in April and 604 ppb in July 2000) have exceeded the 500 ppb system reactivation level for two consecutive quarters. Sparge points recommended for reactivation in the area of FH-X-12 would be SS-1, SS-2, SS-9, SS-10, SS-11, and SS-14.

Additionally, sparging near SV-14 may be advisable due to the high TCE concentration detected in April (941 ppb) and the continued presence of refined petroleum related VOCs. Given the upgradient position of SV-14, the rebound of TCE after sparging was ceased, the presence of other VOCs, and a gray color and septic odor associated with this point, it may be possible that it is located at or near a source area. It is therefore recommended that additional subsurface investigation be performed near SV-14 to assess this possibility.

The closest sparge point to SV-14 is SS-15 located approximately 20 feet south of SV-14. The next closest point is SS-16, approximately 30 feet west of SV-14. It may be necessary to install an additional sparge point (or points) to remediate the SV-14 area if investigation confirms a source.

John LaBarge, P.E., Director
Harza No. 8334
August 30, 2000
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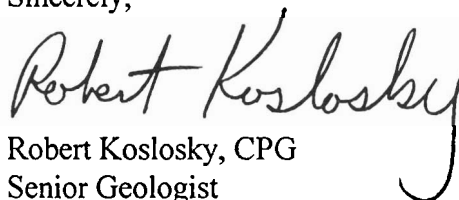
Quarterly groundwater monitoring should continue for the duration of active sparging and for one full year thereafter. The next monitoring event is scheduled for October 2000. This is the last event covered under the current project MAP.

As during the first phase of sparging, secondary sparging in the FH-X-12 and SV-14 areas should be performed until either cleanup objectives (two consecutive quarters below 100 ppb) or asymptotic conditions are achieved. During the subsequent post-sparging period, if TCE concentrations rebound above 500 ppb in any monitoring point(s) for two consecutive quarters, sparging of the area around the point(s) should be re-implemented.

In order to avoid additional sparge/rebound/sparge iterations beyond the secondary sparging, consideration may be given to modeling natural attenuation of the plume, and if modeling results are favorable (and with NYSDEC approval), decommissioning the IRM sparge system and implementing a long term scaled down monitoring program.

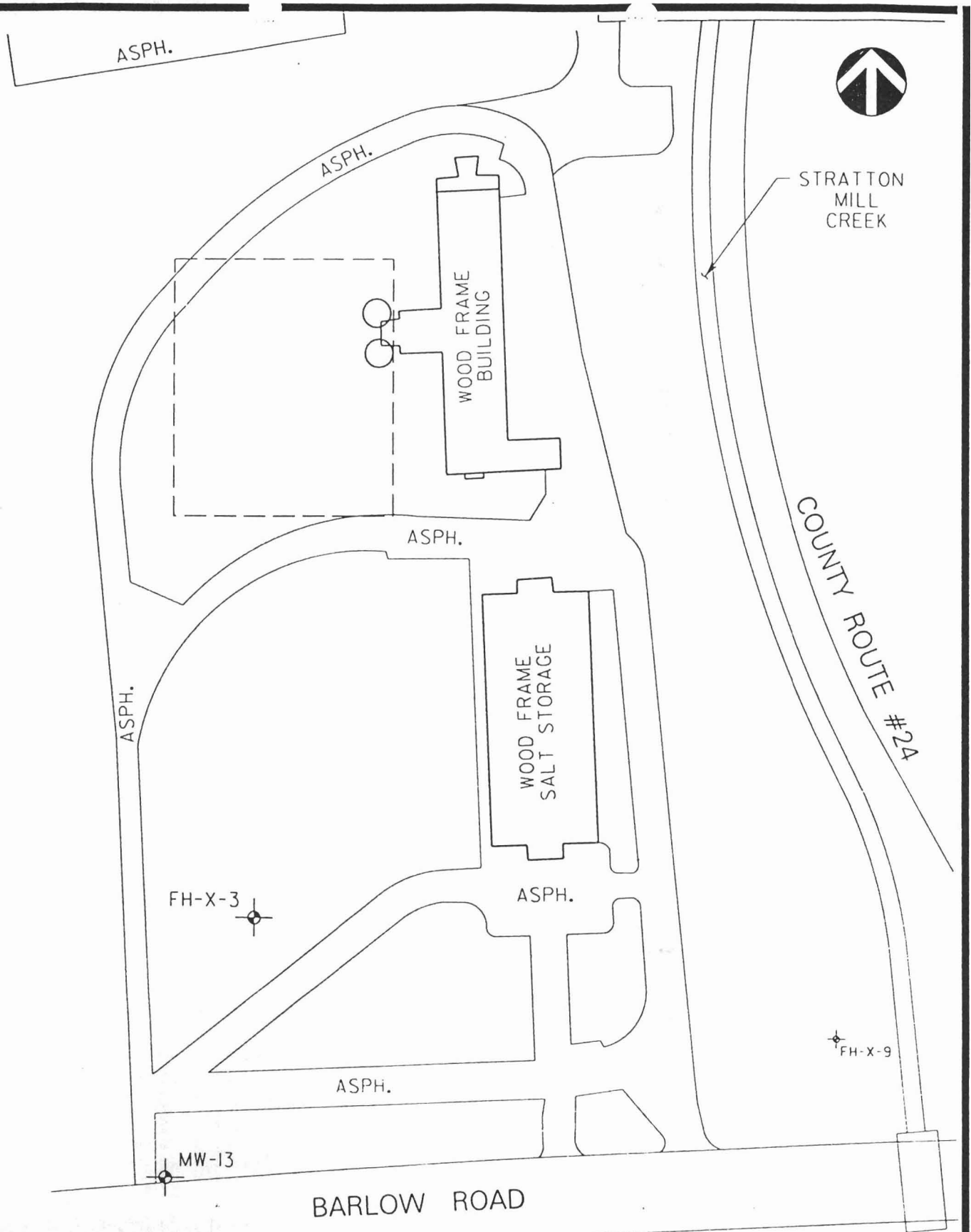
Harza thanks the NYSDOT for the opportunity to provide environmental services on the Barlow Road project. If you have any questions or comments, please call me at (315) 793-5000.

Sincerely,


Robert Koslosky, CPG
Senior Geologist

RAK:sek
Enclosures

cc: Mary Brophy, NYSDOT Region 9
Paul Romano, P.E., Harza



APPROX. SCALE: 1"=80'

HARZA
NORTHEAST

Architects, Engineers, and Construction Managers

NY General St. License No. 12458 (1/10/99) (1/10/99) (1/10/99) (1/10/99)
133 E. Fordham Ave., Lakeview, NY 14750 (716) 753-7555 Fax (716) 753-7554

DATE 12/21/99

DRAWN JLB

NO. 8363

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION

BARLOW ROAD

FHX-3 and MW-13 LOCATIONS

FIGURE

2

TABLE 1
NYS DOT BARLOW ROAD
SUMMARY OF GROUNDWATER VOC ANALYTICAL RESULTS
SHALLOW WATER TABLE AQUIFER

SAMPLE NUMBER/ LOCATION	ANALYTE	[ppb] 1/21/98 BASELINE	[ppb] 7/16/98 1ST QTR.	[ppb] 10/14/98 2ND QTR.	[ppb] 1/12/99 3RD QTR.	[ppb] 4/6/99 4TH QTR.	[ppb] 7/7/99 5TH QTR.	[ppb] 10/14/99 REPEAT BASELINE	[ppb] 1/6/00 POST-IRM 1ST QTR.	[ppb] 4/6/00 POST-IRM 2ND QTR.	[ppb] 7/11/00 POST-IRM 3RD QTR.	NYSDEC GROUNDWATER STANDARD OR GUIDANCE (ppb)
SS-4 Crossgradient East	trans-1,2-Dichloroethene	NS	2.6	ND	ND	ND	ND	ND	ND	ND	ND	5
	cis-1,2-Dichloroethene	NS	172	9.4	4.6	5.8	ND	17	18	35	76	5
	Trichloroethene	NS	653	36	33	28	17	57	90	66	185	5
	Benzene	NS	ND	ND	ND	ND	2.2	ND	ND	ND	ND	1
	Toluene	NS	ND	ND	ND	ND	7.0	ND	ND	ND	ND	5
	Ethylbenzene	NS	ND	ND	ND	ND	2.1	ND	ND	ND	ND	5
	m+p-Xylene	NS	ND	ND	ND	ND	13	ND	ND	ND	ND	5
	o-Xylene	NS	ND	ND	ND	ND	6.1	ND	ND	ND	ND	5
	n-Propylbenzene	NS	ND	ND	ND	ND	2.0	ND	ND	ND	ND	5
	1,3,5-Trimethylbenzene	NS	ND	ND	ND	ND	6.2	ND	ND	ND	ND	5
	4-Isopropyltoluene	NS	ND	ND	ND	ND	1.0	ND	ND	ND	ND	5
	1,2,4-Trimethylbenzene	NS	ND	ND	ND	ND	24	ND	ND	ND	ND	5
	tertiary-Butylbenzene	NS	ND	ND	ND	ND	2.9	ND	ND	ND	ND	5
	Naphthalene	NS	ND	ND	ND	ND	63	ND	ND	ND	ND	10
SS-5 Downgradient Plume Spine	MTBE	NS	NA	NA	NA	ND	474	ND	ND	ND	ND	NR
	Vinyl Chloride	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
	1,1-Dichloroethane	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
	cis-1,2-Dichloroethene	198	24	18	16	38	11	10	ND	11	17	5
	1,1,1-Trichloroethane	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
	Benzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
	1,2-Dichloroethane	4.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
	Trichloroethene	745	63	70	64	293	40	131	170	39	218	5
	MTBE	NA	NA	NA	NA	ND	5.0	ND	ND	ND	ND	NR
	Vinyl Chloride	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
SS-8 Downgradient Plume Spine	1,1-Dichloroethane	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
	cis-1,2-Dichloroethene	44	5.4	5.3	9.1	13	15	ND	ND	21	24	5
	1,1,1-Trichloroethane	2.8	0.6	ND	ND	ND	ND	ND	ND	ND	ND	5
	Benzene	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
	1,2-Dichloroethane	14	2.3	ND	ND	ND	ND	ND	ND	ND	ND	5
	Trichloroethene	661	82	52	141	203	223	251	235	259	262	5
	Ethylbenzene	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
	MTBE	NA	NA	NA	NA	ND	23	ND	ND	ND	ND	NR
	trans-1,2-Dichloroethene	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
	1,1-Dichloroethane	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
SS-10 Plume Core South	cis-1,2-Dichloroethene	89	2.1	47	24	14	28	5.1	4	61	4.4	5
	1,1,1-Trichloroethane	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
	Benzene	2.3	ND	0.6	ND	ND	ND	ND	ND	ND	ND	1
	1,2-Dichloroethane	3.8	ND	4.4	ND	ND	ND	ND	ND	ND	ND	5
	Trichloroethene	2289	103	493	345	344	52	98	96	81	91	5
	Toluene	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
	Ethylbenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
	m+p-Xylene	4.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
	o-Xylene	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
	MTBE	NA	NA	NA	NA	ND	17	ND	ND	ND	ND	NR
SS-11 Plume Core North	cis-1,2-Dichloroethene	376	NS	NS	NS	NS	NS	2.5	NS	NS	NS	5
	1,2-Dichloroethane	1185	NS	NS	NS	NS	NS	ND	NS	NS	NS	5
	Trichloroethene	ND	NS	NS	NS	NS	NS	38	NS	NS	NS	5
SS-12 Crossgradient Northeast	cis-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	NS	61	83	145	5
	Trichloroethene	NS	NS	NS	NS	NS	NS	NS	83	84	134	5
SS-16 BTEX Plume	Trichloroethene	ND	NS	NS	NS	NS	NS	4.1	NS	NS	3.5	5
SV-9 Crossgradient East	Vinyl Chloride	8.9	NS	NS	NS	NS	NS	ND	NS	NS	NS	2
	trans-1,2-Dichloroethene	1.1	NS	NS	NS	NS	NS	ND	NS	NS	NS	5
	1,1-Dichloroethane	0.6	NS	NS	NS	NS	NS	ND	NS	NS	NS	5
	cis-1,2-Dichloroethene	40	NS	NS	NS	NS	NS	17	NS	NS	NS	5
	1,2-Dichloroethane	1.3	NS	NS	NS	NS	NS	ND	NS	NS	NS	5
	Trichloroethene	146	NS	NS	NS	NS	NS	90	NS	NS	NS	5

NOTES:

Air Sparging system was turned off on September 20, 1999.

ND = Not Detected.

NYSDEC standards and guidance values from TOGS 1.1.1

Bold and shaded numbers equal or exceed standards or guidance values.

NA = Compound not analyzed for during sampling event.

NS = Well not sampled during sampling event.

NR = No regulatory standard or guidance value.

TABLE 1
(Continued)
NYSDEC BARLOW ROAD
SUMMARY OF GROUNDWATER VOC ANALYTICAL RESULTS
SHALLOW WATER TABLE AQUIFER

SAMPLE NUMBER/ LOCATION	ANALYTE	[ppb] 1/21/98 BASELINE	[ppb] 7/16/98 1ST QTR.	[ppb] 10/14/98 2ND QTR.	[ppb] 1/12/99 3RD QTR.	[ppb] 4/6/99 4TH QTR.	[ppb] 7/7/99 5TH QTR.	[ppb] 10/14/99 REPEAT BASELINE	[ppb] 1/6/00 POST-IRM 1ST QTR.	[ppb] 4/6/00 POST-IRM 2ND QTR.	[ppb] 7/11/00 POST-IRM 3RD QTR.	NYSDEC GROUNDWATER STANDARD OR GUIDANCE (ppb)
SV-12 Crossgradient West	trans-1,2-Dichloroethene	1.0	NS	NS	NS	NS	NS	ND	NS	NS	NS	5
	1,1-Dichloroethane	0.8	NS	NS	NS	NS	NS	ND	NS	NS	NS	5
	cis-1,2-Dichloroethene	351	NS	NS	NS	NS	NS	13	NS	NS	NS	5
	1,1,1-Trichloroethane	0.6	NS	NS	NS	NS	NS	ND	NS	NS	NS	5
	Benzene	0.9	NS	NS	NS	NS	NS	ND	NS	NS	NS	1
	1,2-Dichloroethane	5.4	NS	NS	NS	NS	NS	ND	NS	NS	NS	5
	Trichloroethene	233	NS	NS	NS	NS	NS	225	NS	NS	NS	5
SV-14 Upgradient Plume Spine	Tetrachloroethene	0.6	NS	NS	NS	NS	NS	ND	NS	NS	NS	5
	1,1-Dichloroethane	2.4	4.2	ND	ND	ND	ND	ND	ND	ND	ND	5
	cis-1,2-Dichloroethene	1451	667	1.2	534	418	367	321	424	369	303	5
	1,1,1-Trichloroethane	2.5	42	ND	ND	ND	ND	ND	ND	25	9.6	5
	Benzene	2.3	1.4	ND	ND	ND	ND	ND	ND	ND	ND	1
	1,2-Dichloroethane	5.5	3.1	ND	ND	ND	ND	ND	ND	ND	ND	5
	Trichloroethene	144	708	7	1097	317	398	196	279	941	159	5
	Toluene	635	1276	ND	ND	ND	59	48	301	3013	562	5
	Tetrachloroethene	2.9	13	ND	ND	ND	ND	ND	ND	ND	ND	5
	Ethylbenzene	719	360	ND	ND	ND	874	ND	ND	2973	1125	5
	m+p-Xylene	1753	8457	ND	ND	ND	2494	2614	4607	12777	4140	5
	o-Xylene	1400	3980	ND	ND	ND	849	1701	2410	5664	1998	5
	Isopropylbenzene	NA	1.9	ND	ND	ND	ND	ND	ND	852	ND	5
	1,2,4-Trimethylbenzene	NA	4.9	ND	ND	ND	ND	ND	ND	8.8	7.1	5
	1,3,5-Trimethylbenzene	NA	4.1	ND	ND	ND	ND	ND	ND	5.7	22	5
	Carbon Tetrachloride	NA	8.6	ND	ND	ND	ND	ND	ND	ND	ND	5
	Trichlorofluoromethane	NA	5.6	ND	ND	ND	ND	ND	ND	ND	ND	5
	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	96	2
MW-3 Downgradient	Trichloroethene	ND	NS	NS	NS	NS	NS	0.6	NS	NS	NS	5
*MW-13 Downgradient Property Line	Trichloroethene	ND	NS	NS	NS	NS	NS	2.8	6.4	2.5	2.7	5
	cis-1,2-Dichloroethene	ND	NS	NS	NS	NS	NS	ND	ND	ND	0.8	5
*FHX-3 Downgradient	Vinyl Chloride	0.8	NS	NS	NS	NS	NS	ND	NS	NS	NS	2
	1,1-Dichloroethane	0.8	NS	NS	NS	NS	NS	ND	NS	NS	NS	5
	cis-1,2-Dichloroethene	28	NS	NS	NS	NS	NS	7.7	NS	NS	NS	5
	1,1,1-Trichloroethane	1.0	NS	NS	NS	NS	NS	ND	NS	NS	NS	5
	Trichloroethene	174	NS	NS	NS	NS	NS	50	NS	NS	NS	5
	m+p-Xylene	0.7	NS	NS	NS	NS	NS	ND	NS	NS	NS	5
	MTBE	NA	NA	NA	NA	NS	NS	1	NS	NS	NS	NR
FHX-12 Plume Core Center	trans-1,2-Dichloroethene	0.8	ND	0.7	ND	ND	ND	ND	ND	ND	ND	5
	1,1-Dichloroethane	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	5
	cis-1,2-Dichloroethene	117	46	850	41	24	25	19	31	51	69	5
	1,1,1-Trichloroethane	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND	5
	Benzene	ND	ND	0.8	ND	ND	ND	ND	ND	ND	ND	1
	1,2-Dichloroethane	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND	5
	Trichloroethene	966	694	63	516	291	326	227	378	558	604	5
	Tetrachloroethene	1.3	0.8	0.9	ND	ND	ND	ND	ND	ND	ND	5
	m+p-Xylene	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	5
	Chloroform	ND	ND	ND	ND	ND	8.5	ND	ND	ND	ND	7
	MTBE	NA	NA	NA	NA	NA	ND	17	ND	ND	ND	NR

NOTES:

Air sparging system was turned off on September 20, 1999.

= First groundwater at MW-13 and FHX-3 is within the lower sand and gravel

ND = Not Detected.

NYSDEC standards and guidance values from TOGS 1.1.1

Bold and shaded numbers equal or exceed standards or guidance values

NA = Compound not analyzed for during sampling event.

NS = Well not sampled during sampling event.

NR = No regulatory standard or guidance value.

TABLE 2
NYSDOT BARLOW ROAD
SUMMARY OF GROUNDWATER VOC ANALYTICAL RESULTS
DEEP WATER TABLE AQUIFER

SAMPLE NUMBER/ LOCATION	ANALYTE	[ppb] 1/21/98 BASELINE	[ppb] 7/16/98 1ST QTR.	[ppb] 10/14/98 2ND QTR.	[ppb] 1/12/99 3RD QTR.	[ppb] 4/6/99 4TH QTR.	[ppb] 7/7/99 5TH QTR.	[ppb] 10/14/99 REPEAT BASELINE	[ppb] 1/6/00 POST-IRM 1ST QTR.	[ppb] 4/6/00 POST-IRM 2ND QTR.	[ppb] 7/11/00 POST-IRM 3RD QTR.	NYSDEC GROUNDWATER STANDARD OR GUIDANCE (ppb)
DS-2 Plume Core South	cis-1,2-Dichloroethene	ND	NS	106	NS	NS	NS	89	113	115	126	5
	Benzene	ND	NS	15	NS	NS	NS	ND	ND	ND	ND	1
	Trichloroethene	ND	NS	68	NS	NS	NS	59	91	101	119	5
DS-5 Plume Core North	1,1-Dichloroethane	0.5	ND	0.6	ND	ND	ND	ND	NS	NS	NS	5
	cis-1,2-Dichloroethene	196	101	181	125	75	102	43	NS	NS	NS	5
	1,1,1-Trichloroethane	1.7	1.0	ND	ND	ND	ND	ND	NS	NS	NS	5
	Benzene	ND	ND	6.7	ND	ND	ND	ND	NS	NS	NS	1
	1,2-Dichloroethane	3.0	ND	ND	ND	ND	ND	ND	NS	NS	NS	5
	Trichloroethene	237	100	179	125	63	75	51	NS	NS	NS	5
	Toluene	2.1	ND	ND	ND	ND	ND	ND	NS	NS	NS	5
	Ethylbenzene	2.9	ND	ND	ND	ND	ND	ND	NS	NS	NS	5
	m+p-Xylene	12	ND	ND	ND	ND	ND	ND	NS	NS	NS	5
	o-Xylene	7.7	ND	ND	ND	ND	ND	ND	NS	NS	NS	5
DV-1 Crossgradient East	cis-1,2-Dichloroethene	230	165	119	66	77	249	33	85	76	139	5
	Benzene	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
	1,2-Dichloroethane	3.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
	Trichloroethene	150	187	117	103	94	88	72	99	75	136	5
	Toluene	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
DV-4 Downgradient Plume Spine	cis-1,2-Dichloroethene	131	NS	NS	NS	NS	NS	48	53	75	97	5
	Toluene	174	NS	NS	NS	NS	NS	ND	ND	ND	ND	5
	Trichloroethene	ND	NS	NS	NS	NS	NS	54	57	71	97	5
DV-5 Crossgradient West	cis-1,2-Dichloroethene	15	NS	NS	NS	NS	NS	7.4	7.3	9.5	9.1	5
	Trichloroethene	20	NS	NS	NS	NS	NS	15	11	10	13	5
DV-8 Upgradient Plume Spine	1,1-Dichloroethane	1.6	ND	0.8	ND	ND	ND	ND	ND	ND	ND	5
	cis-1,2-Dichloroethene	594	215	290	233	195	249	165	270	322	342	5
	Benzene	0.7	ND	0.9	ND	ND	ND	ND	ND	ND	7.8	1
	1,2-Dichloroethane	3.4	ND	1.2	ND	ND	ND	ND	ND	ND	ND	5
	Trichloroethene	118	76	81	76	69	73	65	85	97	109	5
	Toluene	0.9	ND	ND	ND	ND	ND	ND	ND	ND	14	5
	m+p-Xylene	0.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	5

NOTES:

ND = Not Detected.

NYSDEC standards and guidance values from TOGS 1.1.1

Bold and shaded numbers equal or exceed standards or guidance values.

NA = Compound not analyzed for during sampling event.

NS = Well not sampled during sampling event.

ATTACHMENT 1

LABORATORY REPORT

JULY 2000

GROUNDWATER MONITORING



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

ANALYTICAL TEST RESULTS N.Y.S.D.O.H. Lab ID #11140

CLIENT: Harza Northeast

DATE SAMPLED: 07/11/00

SAMPLE DESCRIPTION: SS-4 PIN #: Not Specified

DATE SAMPLE RECD: 07/12/00

MATRIX: Groundwater

TIME SAMPLED: 9:30 am

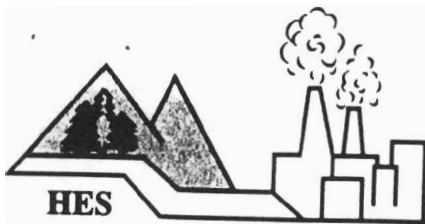
LOCATION: NYSDOT-Barlow Road

TYPE: Grab

H.E.S. #: 000712B01

SAMPLER: R.Mitchell/Harza NE

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
Dichlorodifluoromethane	SW846-8021B	<5.0	ug/l	07/20/00
Chloromethane	SW846-8021B	<5.0	ug/l	07/20/00
Vinyl chloride	SW846-8021B	<5.0	ug/l	07/20/00
Chloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Bromomethane	SW846-8021B	<5.0	ug/l	07/20/00
Trichlorofluoromethane	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloroethene	SW846-8021B	<5.0	ug/l	07/20/00
Methylene chloride	SW846-8021B	<5.0	ug/l	07/20/00
trans-1,2-Dichloroethene	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
2,2-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
cis-1,2-Dichloroethene	SW846-8021B	76	ug/l	07/20/00
Bromochloromethane	SW846-8021B	<5.0	ug/l	07/20/00
Chloroform	SW846-8021B	<5.0	ug/l	07/20/00
1,1,1-Trichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
Carbon Tetrachloride	SW846-8021B	<5.0	ug/l	07/20/00
Benzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Trichloroethene	SW846-8021B	185	ug/l	07/20/00
1,2-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
Dibromomethane	SW846-8021B	<5.0	ug/l	07/20/00
Bromodichloromethane	SW846-8021B	<5.0	ug/l	07/20/00
cis-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
Toluene	SW846-8021B	<5.0	ug/l	07/20/00
trans-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
1,1,2-Trichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Tetrachloroethene	SW846-8021B	<5.0	ug/l	07/20/00
1,3-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
Dibromochloromethane	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dibromoethane	SW846-8021B	<5.0	ug/l	07/20/00
Chlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

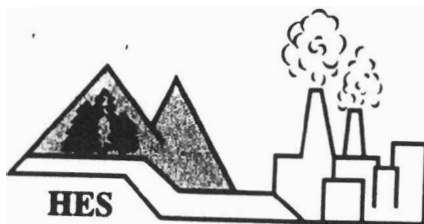
SAMPLE DESCRIPTION: SS-4

H.E.S. #: 000712B01 (Continued)

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
1,1,1,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Ethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
m-Xylene-p-Xylene	SW846-8021B	<5.0	ug/l	07/20/00
o-Xylene	SW846-8021B	<5.0	ug/l	07/20/00
Styrene	SW846-8021B	<5.0	ug/l	07/20/00
Bromoform	SW846-8021B	<5.0	ug/l	07/20/00
Isopropylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
Bromobenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,1,2,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	07/20/00
1,2,3-Trichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
n-Propylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
2-Chlorotoluene	SW846-8021B	<5.0	ug/l	07/20/00
4-Chlorotoluene	SW846-8021B	<5.0	ug/l	07/20/00
1,3,5-Trimethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
4-Isopropyltoluene	SW846-8021B	<5.0	ug/l	07/20/00
1,2,4-Trimethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
sec-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,3-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
tert-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,4-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
n-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dibromo-3-chloropropane	SW846-8021B	<5.0	ug/l	07/20/00
1,2,4-Trichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
Hexachlorobutadiene	SW846-8021B	<5.0	ug/l	07/20/00
Naphthalene	SW846-8021B	<5.0	ug/l	07/20/00
1,2,3-Trichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
MTBE	SW846-8021B	<5.0	ug/l	07/20/00

Non-Target Peaks

Negative



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

DATE SAMPLED: 07/11/00

SAMPLE DESCRIPTION: SS-5

DATE SAMPLE RECD: 07/12/00

MATRIX: Groundwater

TIME SAMPLED: 9:45 am

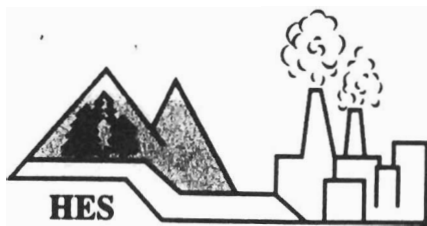
LOCATION: NYSDOT-Barlow Road

TYPE: Grab

H.E.S. #: 000712B02

SAMPLER: R.Mitchell/Harza NE

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
Dichlorodifluoromethane	SW846-8021B	<5.0	ug/l	07/20/00
Chloromethane	SW846-8021B	<5.0	ug/l	07/20/00
Vinyl chloride	SW846-8021B	<5.0	ug/l	07/20/00
Chloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Bromomethane	SW846-8021B	<5.0	ug/l	07/20/00
Trichlorofluoromethane	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloroethene	SW846-8021B	<5.0	ug/l	07/20/00
Methylene chloride	SW846-8021B	<5.0	ug/l	07/20/00
trans-1,2-Dichloroethene	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
2,2-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
cis-1,2-Dichloroethene	SW846-8021B	17	ug/l	07/20/00
Bromochloromethane	SW846-8021B	<5.0	ug/l	07/20/00
Chloroform	SW846-8021B	<5.0	ug/l	07/20/00
1,1,1-Trichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
Carbon Tetrachloride	SW846-8021B	<5.0	ug/l	07/20/00
Benzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Trichloroethene	SW846-8021B	218	ug/l	07/20/00
1,2-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
Dibromomethane	SW846-8021B	<5.0	ug/l	07/20/00
Bromodichloromethane	SW846-8021B	<5.0	ug/l	07/20/00
cis-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
Toluene	SW846-8021B	<5.0	ug/l	07/20/00
trans-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
1,1,2-Trichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Tetrachloroethene	SW846-8021B	<5.0	ug/l	07/20/00
1,3-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
Dibromochloromethane	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dibromoethane	SW846-8021B	<5.0	ug/l	07/20/00
Chlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00



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Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

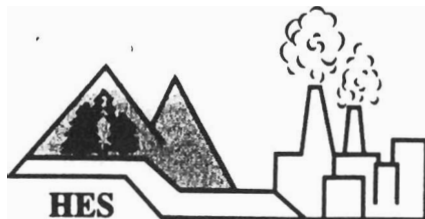
SAMPLE DESCRIPTION: SS-5

H.E.S. #: 000712B02 (Continued)

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
1,1,1,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Ethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
m-Xylene-p-Xylene	SW846-8021B	<5.0	ug/l	07/20/00
o-Xylene	SW846-8021B	<5.0	ug/l	07/20/00
Styrene	SW846-8021B	<5.0	ug/l	07/20/00
Bromoform	SW846-8021B	<5.0	ug/l	07/20/00
Isopropylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
Bromobenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,1,2,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	07/20/00
1,2,3-Trichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
n-Propylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
2-Chlorotoluene	SW846-8021B	<5.0	ug/l	07/20/00
4-Chlorotoluene	SW846-8021B	<5.0	ug/l	07/20/00
1,3,5-Trimethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
4-Isopropyltoluene	SW846-8021B	<5.0	ug/l	07/20/00
1,2,4-Trimethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
sec-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,3-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
tert-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,4-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
n-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dibromo-3-chloropropane	SW846-8021B	<5.0	ug/l	07/20/00
1,2,4-Trichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
Hexachlorobutadiene	SW846-8021B	<5.0	ug/l	07/20/00
Naphthalene	SW846-8021B	<5.0	ug/l	07/20/00
1,2,3-Trichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
MTBE	SW846-8021B	<5.0	ug/l	07/20/00

Non-Target Peaks

Negative



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

SAMPLE DESCRIPTION: SS-8

MATRIX: Groundwater

LOCATION: NYSDOT-Barlow Road

H.E.S. #: 000712B03

DATE SAMPLED: 07/11/00

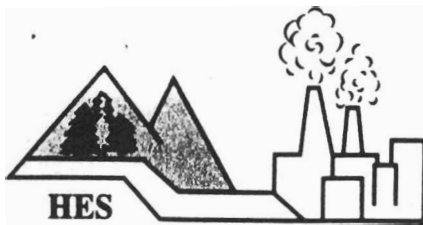
DATE SAMPLE RECD: 07/12/00

TIME SAMPLED: 10:00 am

TYPE: Grab

SAMPLER: R.Mitchell/Harza NE

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
Dichlorodifluoromethane	SW846-8021B	<5.0	ug/l	07/20/00
Chloromethane	SW846-8021B	<5.0	ug/l	07/20/00
Vinyl chloride	SW846-8021B	<5.0	ug/l	07/20/00
Chloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Bromomethane	SW846-8021B	<5.0	ug/l	07/20/00
Trichlorofluoromethane	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloroethene	SW846-8021B	<5.0	ug/l	07/20/00
Methylene chloride	SW846-8021B	<5.0	ug/l	07/20/00
trans-1,2-Dichloroethene	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
2,2-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
cis-1,2-Dichloroethene	SW846-8021B	24	ug/l	07/20/00
Bromochloromethane	SW846-8021B	<5.0	ug/l	07/20/00
Chloroform	SW846-8021B	<5.0	ug/l	07/20/00
1,1,1-Trichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
Carbon Tetrachloride	SW846-8021B	<5.0	ug/l	07/20/00
Benzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Trichloroethene	SW846-8021B	262	ug/l	07/20/00
1,2-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
Dibromomethane	SW846-8021B	<5.0	ug/l	07/20/00
Bromodichloromethane	SW846-8021B	<5.0	ug/l	07/20/00
cis-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
Toluene	SW846-8021B	<5.0	ug/l	07/20/00
trans-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
1,1,2-Trichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Tetrachloroethene	SW846-8021B	<5.0	ug/l	07/20/00
1,3-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
Dibromochloromethane	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dibromoethane	SW846-8021B	<5.0	ug/l	07/20/00
Chlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00



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CLIENT: Harza Northeast

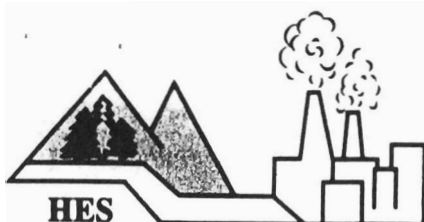
SAMPLE DESCRIPTION: SS-8

H.E.S. #: 000712B03 (Continued)

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
1,1,1,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Ethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
m-Xylene-p-Xylene	SW846-8021B	<5.0	ug/l	07/20/00
o-Xylene	SW846-8021B	<5.0	ug/l	07/20/00
Styrene	SW846-8021B	<5.0	ug/l	07/20/00
Bromoform	SW846-8021B	<5.0	ug/l	07/20/00
Isopropylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
Bromobenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,1,2,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	07/20/00
1,2,3-Trichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
n-Propylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
2-Chlorotoluene	SW846-8021B	<5.0	ug/l	07/20/00
4-Chlorotoluene	SW846-8021B	<5.0	ug/l	07/20/00
1,3,5-Trimethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
4-Isopropyltoluene	SW846-8021B	<5.0	ug/l	07/20/00
1,2,4-Trimethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
sec-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,3-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
tert-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,4-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
n-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dibromo-3-chloropropane	SW846-8021B	<5.0	ug/l	07/20/00
1,2,4-Trichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
Hexachlorobutadiene	SW846-8021B	<5.0	ug/l	07/20/00
Naphthalene	SW846-8021B	<5.0	ug/l	07/20/00
1,2,3-Trichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
MTBE	SW846-8021B	<5.0	ug/l	07/20/00

Non-Target Peaks

Negative



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

DATE SAMPLED: 07/11/00

SAMPLE DESCRIPTION: SS-10

DATE SAMPLE RECD: 07/12/00

MATRIX: Groundwater

TIME SAMPLED: 10:15 am

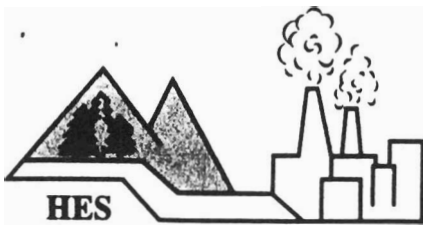
LOCATION: NYSDOT-Barlow Road

TYPE: Grab

H.E.S. #: 000712B04

SAMPLER: R.Mitchell/Harza NE

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
Dichlorodifluoromethane	SW846-8021B	<0.5	ug/l	07/20/00
Chloromethane	SW846-8021B	<0.5	ug/l	07/20/00
Vinyl chloride	SW846-8021B	<0.5	ug/l	07/20/00
Chloroethane	SW846-8021B	<0.5	ug/l	07/20/00
Bromomethane	SW846-8021B	<0.5	ug/l	07/20/00
Trichlorofluoromethane	SW846-8021B	<0.5	ug/l	07/20/00
1,1-Dichloroethene	SW846-8021B	<0.5	ug/l	07/20/00
Methylene chloride	SW846-8021B	<0.5	ug/l	07/20/00
trans-1,2-Dichloroethene	SW846-8021B	<0.5	ug/l	07/20/00
1,1-Dichloroethane	SW846-8021B	<0.5	ug/l	07/20/00
2,2-Dichloropropane	SW846-8021B	<0.5	ug/l	07/20/00
cis-1,2-Dichloroethene	SW846-8021B	4.4	ug/l	07/20/00
Bromochloromethane	SW846-8021B	<0.5	ug/l	07/20/00
Chloroform	SW846-8021B	<0.5	ug/l	07/20/00
1,1,1-Trichloroethane	SW846-8021B	<0.5	ug/l	07/20/00
1,1-Dichloropropene	SW846-8021B	<0.5	ug/l	07/20/00
Carbon Tetrachloride	SW846-8021B	<0.5	ug/l	07/20/00
Benzene	SW846-8021B	<0.5	ug/l	07/20/00
1,2-Dichloroethane	SW846-8021B	<0.5	ug/l	07/20/00
Trichloroethene	SW846-8021B	91	ug/l	07/20/00
1,2-Dichloropropane	SW846-8021B	<0.5	ug/l	07/20/00
Dibromomethane	SW846-8021B	<0.5	ug/l	07/20/00
Bromodichloromethane	SW846-8021B	<0.5	ug/l	07/20/00
cis-1,3-Dichloropropene	SW846-8021B	<0.5	ug/l	07/20/00
Toluene	SW846-8021B	<0.5	ug/l	07/20/00
trans-1,3-Dichloropropene	SW846-8021B	<0.5	ug/l	07/20/00
1,1,2-Trichloroethane	SW846-8021B	<0.5	ug/l	07/20/00
Tetrachloroethene	SW846-8021B	<0.5	ug/l	07/20/00
1,3-Dichloropropane	SW846-8021B	<0.5	ug/l	07/20/00
Dibromochloromethane	SW846-8021B	<0.5	ug/l	07/20/00
1,2-Dibromoethane	SW846-8021B	<0.5	ug/l	07/20/00
Chlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

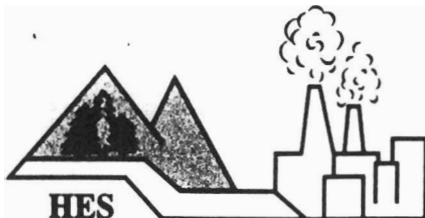
SAMPLE DESCRIPTION: SS-10

H.E.S. #: 000712B04 (Continued)

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
1,1,1,2-Tetrachloroethane	SW846-8021B	<0.5	ug/l	07/20/00
Ethylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
m-Xylene-p-Xylene	SW846-8021B	<0.5	ug/l	07/20/00
o-Xylene	SW846-8021B	<0.5	ug/l	07/20/00
Styrene	SW846-8021B	<0.5	ug/l	07/20/00
Bromoform	SW846-8021B	<0.5	ug/l	07/20/00
Isopropylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
Bromobenzene	SW846-8021B	<0.5	ug/l	07/20/00
1,1,2,2-Tetrachloroethane	SW846-8021B	<0.5	ug/l	07/20/00
1,2,3-Trichloropropane	SW846-8021B	<0.5	ug/l	07/20/00
n-Propylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
2-Chlorotoluene	SW846-8021B	<0.5	ug/l	07/20/00
4-Chlorotoluene	SW846-8021B	<0.5	ug/l	07/20/00
1,3,5-Trimethylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
4-Isopropyltoluene	SW846-8021B	<0.5	ug/l	07/20/00
1,2,4-Trimethylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
sec-Butylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
1,3-Dichlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00
tert-Butylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
1,4-Dichlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00
1,2-Dichlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00
n-Butylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
1,2-Dibromo-3-chloropropane	SW846-8021B	<0.5	ug/l	07/20/00
1,2,4-Trichlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00
Hexachlorobutadiene	SW846-8021B	<0.5	ug/l	07/20/00
Naphthalene	SW846-8021B	<0.5	ug/l	07/20/00
1,2,3-Trichlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00
MTBE	SW846-8021B	<0.5	ug/l	07/20/00

Non-Target Peaks

Negative



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

DATE SAMPLED: 07/11/00

SAMPLE DESCRIPTION: SS-12

DATE SAMPLE RECD: 07/12/00

MATRIX: Groundwater

TIME SAMPLED: 10:45 am

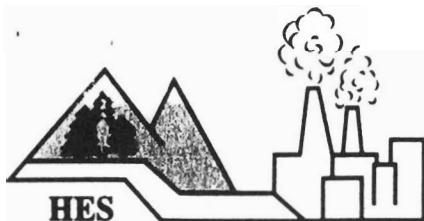
LOCATION: NYSDOT-Barlow Road

TYPE: Grab

H.E.S. #: 000712B06

SAMPLER: R.Mitchell/Harza NE

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
Dichlorodifluoromethane	SW846-8021B	<5.0	ug/l	07/20/00
Chloromethane	SW846-8021B	<5.0	ug/l	07/20/00
Vinyl chloride	SW846-8021B	<5.0	ug/l	07/20/00
Chloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Bromomethane	SW846-8021B	<5.0	ug/l	07/20/00
Trichlorofluoromethane	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloroethene	SW846-8021B	<5.0	ug/l	07/20/00
Methylene chloride	SW846-8021B	<5.0	ug/l	07/20/00
trans-1,2-Dichloroethene	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
2,2-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
cis-1,2-Dichloroethene	SW846-8021B	145	ug/l	07/20/00
Bromochloromethane	SW846-8021B	<5.0	ug/l	07/20/00
Chloroform	SW846-8021B	<5.0	ug/l	07/20/00
1,1,1-Trichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
Carbon Tetrachloride	SW846-8021B	<5.0	ug/l	07/20/00
Benzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Trichloroethene	SW846-8021B	134	ug/l	07/20/00
1,2-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
Dibromomethane	SW846-8021B	<5.0	ug/l	07/20/00
Bromodichloromethane	SW846-8021B	<5.0	ug/l	07/20/00
cis-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
Toluene	SW846-8021B	<5.0	ug/l	07/20/00
trans-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
1,1,2-Trichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Tetrachloroethene	SW846-8021B	<5.0	ug/l	07/20/00
1,3-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
Dibromochloromethane	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dibromoethane	SW846-8021B	<5.0	ug/l	07/20/00
Chlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00



HUDSON ENVIRONMENTAL SERVICES, INC.

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Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

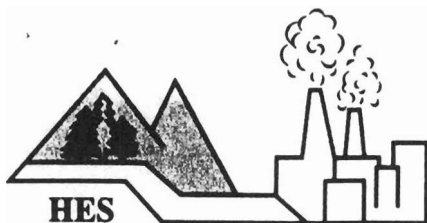
SAMPLE DESCRIPTION: SS-12

H.E.S. #: 000712B06 (Continued)

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
1,1,1,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Ethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
m-Xylene-p-Xylene	SW846-8021B	<5.0	ug/l	07/20/00
o-Xylene	SW846-8021B	<5.0	ug/l	07/20/00
Styrene	SW846-8021B	<5.0	ug/l	07/20/00
Bromoform	SW846-8021B	<5.0	ug/l	07/20/00
Isopropylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
Bromobenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,1,2,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	07/20/00
1,2,3-Trichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
n-Propylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
2-Chlorotoluene	SW846-8021B	<5.0	ug/l	07/20/00
4-Chlorotoluene	SW846-8021B	<5.0	ug/l	07/20/00
1,3,5-Trimethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
4-Isopropyltoluene	SW846-8021B	<5.0	ug/l	07/20/00
1,2,4-Trimethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
sec-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,3-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
tert-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,4-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
n-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dibromo-3-chloropropane	SW846-8021B	<5.0	ug/l	07/20/00
1,2,4-Trichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
Hexachlorobutadiene	SW846-8021B	<5.0	ug/l	07/20/00
Naphthalene	SW846-8021B	<5.0	ug/l	07/20/00
1,2,3-Trichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
MTBE	SW846-8021B	<5.0	ug/l	07/20/00

Non-Target Peaks

Negative



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

DATE SAMPLED: 07/11/00

SAMPLE DESCRIPTION: SS-16

DATE SAMPLE RECD: 07/12/00

MATRIX: Groundwater

TIME SAMPLED: 12:30 pm

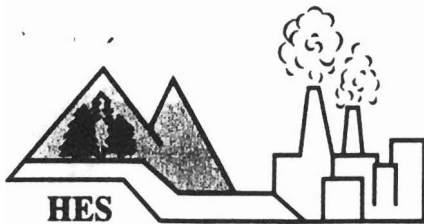
LOCATION: NYSDOT-Barlow Road

TYPE: Grab

H.E.S. #: 000712B14

SAMPLER: R.Mitchell/Harza NE

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
Dichlorodifluoromethane	SW846-8021B	<0.5	ug/l	07/20/00
Chloromethane	SW846-8021B	<0.5	ug/l	07/20/00
Vinyl chloride	SW846-8021B	<0.5	ug/l	07/20/00
Chloroethane	SW846-8021B	<0.5	ug/l	07/20/00
Bromomethane	SW846-8021B	<0.5	ug/l	07/20/00
Trichlorofluoromethane	SW846-8021B	<0.5	ug/l	07/20/00
1,1-Dichloroethene	SW846-8021B	<0.5	ug/l	07/20/00
Methylene chloride	SW846-8021B	<0.5	ug/l	07/20/00
trans-1,2-Dichloroethene	SW846-8021B	<0.5	ug/l	07/20/00
1,1-Dichloroethane	SW846-8021B	<0.5	ug/l	07/20/00
2,2-Dichloropropane	SW846-8021B	<0.5	ug/l	07/20/00
cis-1,2-Dichloroethene	SW846-8021B	<0.5	ug/l	07/20/00
Bromochloromethane	SW846-8021B	<0.5	ug/l	07/20/00
Chloroform	SW846-8021B	<0.5	ug/l	07/20/00
1,1,1-Trichloroethane	SW846-8021B	<0.5	ug/l	07/20/00
1,1-Dichloropropene	SW846-8021B	<0.5	ug/l	07/20/00
Carbon Tetrachloride	SW846-8021B	<0.5	ug/l	07/20/00
Benzene	SW846-8021B	<0.5	ug/l	07/20/00
1,2-Dichloroethane	SW846-8021B	<0.5	ug/l	07/20/00
Trichloroethene	SW846-8021B	3.5	ug/l	07/20/00
1,2-Dichloropropane	SW846-8021B	<0.5	ug/l	07/20/00
Dibromomethane	SW846-8021B	<0.5	ug/l	07/20/00
Bromodichloromethane	SW846-8021B	<0.5	ug/l	07/20/00
cis-1,3-Dichloropropene	SW846-8021B	<0.5	ug/l	07/20/00
Toluene	SW846-8021B	<0.5	ug/l	07/20/00
trans-1,3-Dichloropropene	SW846-8021B	<0.5	ug/l	07/20/00
1,1,2-Trichloroethane	SW846-8021B	<0.5	ug/l	07/20/00
Tetrachloroethene	SW846-8021B	<0.5	ug/l	07/20/00
1,3-Dichloropropane	SW846-8021B	<0.5	ug/l	07/20/00
Dibromochloromethane	SW846-8021B	<0.5	ug/l	07/20/00
1,2-Dibromoethane	SW846-8021B	<0.5	ug/l	07/20/00
Chlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast
SAMPLE DESCRIPTION: SS-16
H.E.S. #: 000712B14 (Continued)

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
1,1,1,2-Tetrachloroethane	SW846-8021B	<0.5	ug/l	07/20/00
Ethylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
m-Xylene-p-Xylene	SW846-8021B	<0.5	ug/l	07/20/00
o-Xylene	SW846-8021B	<0.5	ug/l	07/20/00
Styrene	SW846-8021B	<0.5	ug/l	07/20/00
Bromoform	SW846-8021B	<0.5	ug/l	07/20/00
Isopropylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
Bromobenzene	SW846-8021B	<0.5	ug/l	07/20/00
1,1,2,2-Tetrachloroethane	SW846-8021B	<0.5	ug/l	07/20/00
1,2,3-Trichloropropane	SW846-8021B	<0.5	ug/l	07/20/00
n-Propylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
2-Chlorotoluene	SW846-8021B	<0.5	ug/l	07/20/00
4-Chlorotoluene	SW846-8021B	<0.5	ug/l	07/20/00
1,3,5-Trimethylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
4-Isopropyltoluene	SW846-8021B	<0.5	ug/l	07/20/00
1,2,4-Trimethylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
sec-Butylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
1,3-Dichlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00
tert-Butylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
1,4-Dichlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00
1,2-Dichlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00
n-Butylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
1,2-Dibromo-3-chloropropane	SW846-8021B	<0.5	ug/l	07/20/00
1,2,4-Trichlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00
Hexachlorobutadiene	SW846-8021B	<0.5	ug/l	07/20/00
Naphthalene	SW846-8021B	<0.5	ug/l	07/20/00
1,2,3-Trichlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00
MTBE	SW846-8021B	<0.5	ug/l	07/20/00

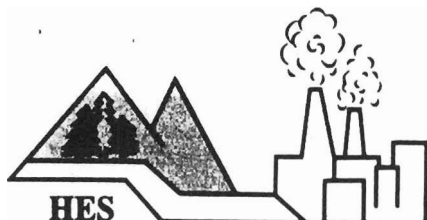
Non-Target Peaks

Negative

Approval By: ML Hengst, Laboratory Director

Date: 7/28/00

Hudson Environmental Services, Inc. (HES) certifies that the above tests were performed in accordance with the methods listed, and with a QA/QC program that meets the requirements of the test methods listed. HES, Inc. total liability for any work performed is limited to the amount billed to the customer for work leading to the claim of the customer.



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

DATE SAMPLED: 07/11/00

SAMPLE DESCRIPTION: SV-14

DATE SAMPLE RECD: 07/12/00

MATRIX: Groundwater

TIME SAMPLED: 11:00 am

LOCATION: NYSDOT-Barlow Road

TYPE: Grab

H.E.S. #: 000712B07

SAMPLER: R.Mitchell/Harza NE

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
Dichlorodifluoromethane	SW846-8021B	<5.0	ug/l	07/20/00
Chloromethane	SW846-8021B	<5.0	ug/l	07/20/00
Vinyl chloride	SW846-8021B	96	ug/l	07/20/00
Chloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Bromomethane	SW846-8021B	<5.0	ug/l	07/20/00
Trichlorofluoromethane	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloroethene	SW846-8021B	<5.0	ug/l	07/20/00
Methylene chloride	SW846-8021B	<5.0	ug/l	07/20/00
trans-1,2-Dichloroethene	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
2,2-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
cis-1,2-Dichloroethene	SW846-8021B	303	ug/l	07/20/00
Bromochloromethane	SW846-8021B	<5.0	ug/l	07/20/00
Chloroform	SW846-8021B	<5.0	ug/l	07/20/00
1,1,1-Trichloroethane	SW846-8021B	9.6	ug/l	07/20/00
1,1-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
Carbon Tetrachloride	SW846-8021B	<5.0	ug/l	07/20/00
Benzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Trichloroethene	SW846-8021B	159	ug/l	07/20/00
1,2-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
Dibromomethane	SW846-8021B	<5.0	ug/l	07/20/00
Bromodichloromethane	SW846-8021B	<5.0	ug/l	07/20/00
cis-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
Toluene	SW846-8021B	562	ug/l	07/20/00
trans-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
1,1,2-Trichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Tetrachloroethene	SW846-8021B	<5.0	ug/l	07/20/00
1,3-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
Dibromochloromethane	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dibromoethane	SW846-8021B	<5.0	ug/l	07/20/00
Chlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

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Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

SAMPLE DESCRIPTION: SV-14

H.E.S. #: 000712B07 (Continued)

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
1,1,1,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Ethylbenzene	SW846-8021B	1,125	ug/l	07/20/00
m-Xylene-p-Xylene	SW846-8021B	4,140	ug/l	07/20/00
o-Xylene	SW846-8021B	1,998	ug/l	07/20/00
Styrene	SW846-8021B	<5.0	ug/l	07/20/00
Bromoform	SW846-8021B	<5.0	ug/l	07/20/00
Isopropylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
Bromobenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,1,2,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	07/20/00
1,2,3-Trichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
n-Propylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
2-Chlorotoluene	SW846-8021B	<5.0	ug/l	07/20/00
4-Chlorotoluene	SW846-8021B	<5.0	ug/l	07/20/00
1,3,5-Trimethylbenzene	SW846-8021B	22	ug/l	07/20/00
4-Isopropyltoluene	SW846-8021B	<5.0	ug/l	07/20/00
1,2,4-Trimethylbenzene	SW846-8021B	7.1	ug/l	07/20/00
sec-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,3-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
tert-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,4-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
n-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dibromo-3-chloropropane	SW846-8021B	<5.0	ug/l	07/20/00
1,2,4-Trichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
Hexachlorobutadiene	SW846-8021B	<5.0	ug/l	07/20/00
Naphthalene	SW846-8021B	<5.0	ug/l	07/20/00
1,2,3-Trichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
MTBE	SW846-8021B	<5.0	ug/l	07/20/00

Non-Target Peaks

Positive



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

DATE SAMPLED: 07/11/00

SAMPLE DESCRIPTION: MW-13

DATE SAMPLE RECD: 07/12/00

MATRIX: Groundwater

TIME SAMPLED: 12:45 pm

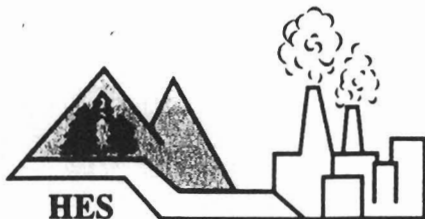
LOCATION: NYSDOT-Barlow Road

TYPE: Grab

H.E.S. #: 000712B13

SAMPLER: R.Mitchell/Harza NE

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
Dichlorodifluoromethane	SW846-8021B	<0.5	ug/l	07/20/00
Chloromethane	SW846-8021B	<0.5	ug/l	07/20/00
Vinyl chloride	SW846-8021B	<0.5	ug/l	07/20/00
Chloroethane	SW846-8021B	<0.5	ug/l	07/20/00
Bromomethane	SW846-8021B	<0.5	ug/l	07/20/00
Trichlorofluoromethane	SW846-8021B	<0.5	ug/l	07/20/00
1,1-Dichloroethene	SW846-8021B	<0.5	ug/l	07/20/00
Methylene chloride	SW846-8021B	<0.5	ug/l	07/20/00
trans-1,2-Dichloroethene	SW846-8021B	<0.5	ug/l	07/20/00
1,1-Dichloroethane	SW846-8021B	<0.5	ug/l	07/20/00
2,2-Dichloropropane	SW846-8021B	<0.5	ug/l	07/20/00
cis-1,2-Dichloroethene	SW846-8021B	0.8	ug/l	07/20/00
Bromochloromethane	SW846-8021B	<0.5	ug/l	07/20/00
Chloroform	SW846-8021B	<0.5	ug/l	07/20/00
1,1,1-Trichloroethane	SW846-8021B	<0.5	ug/l	07/20/00
1,1-Dichloropropene	SW846-8021B	<0.5	ug/l	07/20/00
Carbon Tetrachloride	SW846-8021B	<0.5	ug/l	07/20/00
Benzene	SW846-8021B	<0.5	ug/l	07/20/00
1,2-Dichloroethane	SW846-8021B	<0.5	ug/l	07/20/00
Trichloroethene	SW846-8021B	2.7	ug/l	07/20/00
1,2-Dichloropropane	SW846-8021B	<0.5	ug/l	07/20/00
Dibromomethane	SW846-8021B	<0.5	ug/l	07/20/00
Bromodichloromethane	SW846-8021B	<0.5	ug/l	07/20/00
cis-1,3-Dichloropropene	SW846-8021B	<0.5	ug/l	07/20/00
Toluene	SW846-8021B	<0.5	ug/l	07/20/00
trans-1,3-Dichloropropene	SW846-8021B	<0.5	ug/l	07/20/00
1,1,2-Trichloroethane	SW846-8021B	<0.5	ug/l	07/20/00
Tetrachloroethene	SW846-8021B	<0.5	ug/l	07/20/00
1,3-Dichloropropane	SW846-8021B	<0.5	ug/l	07/20/00
Dibromochloromethane	SW846-8021B	<0.5	ug/l	07/20/00
1,2-Dibromoethane	SW846-8021B	<0.5	ug/l	07/20/00
Chlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

SAMPLE DESCRIPTION: MW-13

H.E.S. #: 000712B13 (Continued)

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
1,1,1,2-Tetrachloroethane	SW846-8021B	<0.5	ug/l	07/20/00
Ethylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
m-Xylene-p-Xylene	SW846-8021B	<0.5	ug/l	07/20/00
o-Xylene	SW846-8021B	<0.5	ug/l	07/20/00
Styrene	SW846-8021B	<0.5	ug/l	07/20/00
Bromoform	SW846-8021B	<0.5	ug/l	07/20/00
Isopropylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
Bromobenzene	SW846-8021B	<0.5	ug/l	07/20/00
1,1,2,2-Tetrachloroethane	SW846-8021B	<0.5	ug/l	07/20/00
1,2,3-Trichloropropane	SW846-8021B	<0.5	ug/l	07/20/00
n-Propylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
2-Chlorotoluene	SW846-8021B	<0.5	ug/l	07/20/00
4-Chlorotoluene	SW846-8021B	<0.5	ug/l	07/20/00
1,3,5-Trimethylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
4-Isopropyltoluene	SW846-8021B	<0.5	ug/l	07/20/00
1,2,4-Trimethylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
sec-Butylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
1,3-Dichlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00
tert-Butylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
1,4-Dichlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00
1,2-Dichlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00
n-Butylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
1,2-Dibromo-3-chloropropane	SW846-8021B	<0.5	ug/l	07/20/00
1,2,4-Trichlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00
Hexachlorobutadiene	SW846-8021B	<0.5	ug/l	07/20/00
Naphthalene	SW846-8021B	<0.5	ug/l	07/20/00
1,2,3-Trichlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00
MTBE	SW846-8021B	<0.5	ug/l	07/20/00

Non-Target Peaks

Negative



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

DATE SAMPLED: 07/11/00

SAMPLE DESCRIPTION: FHX-12

DATE SAMPLE RECD: 07/12/00

MATRIX: Groundwater

TIME SAMPLED: 10:30 am

LOCATION: NYSDOT-Barlow Road

TYPE: Grab

H.E.S. #: 000712B05

SAMPLER: R.Mitchell/Harza NE

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
Dichlorodifluoromethane	SW846-8021B	<5.0	ug/l	07/20/00
Chloromethane	SW846-8021B	<5.0	ug/l	07/20/00
Vinyl chloride	SW846-8021B	<5.0	ug/l	07/20/00
Chloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Bromomethane	SW846-8021B	<5.0	ug/l	07/20/00
Trichlorofluoromethane	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloroethene	SW846-8021B	<5.0	ug/l	07/20/00
Methylene chloride	SW846-8021B	<5.0	ug/l	07/20/00
trans-1,2-Dichloroethene	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
2,2-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
cis-1,2-Dichloroethene	SW846-8021B	69	ug/l	07/20/00
Bromochloromethane	SW846-8021B	<5.0	ug/l	07/20/00
Chloroform	SW846-8021B	<5.0	ug/l	07/20/00
1,1,1-Trichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
Carbon Tetrachloride	SW846-8021B	<5.0	ug/l	07/20/00
Benzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Trichloroethene	SW846-8021B	604	ug/l	07/20/00
1,2-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
Dibromomethane	SW846-8021B	<5.0	ug/l	07/20/00
Bromodichloromethane	SW846-8021B	<5.0	ug/l	07/20/00
cis-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
Toluene	SW846-8021B	<5.0	ug/l	07/20/00
trans-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
1,1,2-Trichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Tetrachloroethene	SW846-8021B	<5.0	ug/l	07/20/00
1,3-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
Dibromochloromethane	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dibromoethane	SW846-8021B	<5.0	ug/l	07/20/00
Chlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

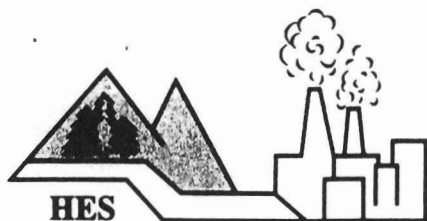
SAMPLE DESCRIPTION: FHX-12

H.E.S. #: 000712B05 (Continued)

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
1,1,1,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Ethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
m-Xylene-p-Xylene	SW846-8021B	<5.0	ug/l	07/20/00
o-Xylene	SW846-8021B	<5.0	ug/l	07/20/00
Styrene	SW846-8021B	<5.0	ug/l	07/20/00
Bromoform	SW846-8021B	<5.0	ug/l	07/20/00
Isopropylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
Bromobenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,1,2,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	07/20/00
1,2,3-Trichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
n-Propylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
2-Chlorotoluene	SW846-8021B	<5.0	ug/l	07/20/00
4-Chlorotoluene	SW846-8021B	<5.0	ug/l	07/20/00
1,3,5-Trimethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
4-Isopropyltoluene	SW846-8021B	<5.0	ug/l	07/20/00
1,2,4-Trimethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
sec-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,3-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
tert-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,4-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
n-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dibromo-3-chloropropane	SW846-8021B	<5.0	ug/l	07/20/00
1,2,4-Trichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
Hexachlorobutadiene	SW846-8021B	<5.0	ug/l	07/20/00
Naphthalene	SW846-8021B	<5.0	ug/l	07/20/00
1,2,3-Trichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
MTBE	SW846-8021B	<5.0	ug/l	07/20/00

Non-Target Peaks

Negative



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

DATE SAMPLED: 07/11/00

SAMPLE DESCRIPTION: DS-2

DATE SAMPLE RECD: 07/12/00

MATRIX: Groundwater

TIME SAMPLED: 11:30 am

LOCATION: NYSDOT-Barlow Road

TYPE: Grab

H.E.S. #: 000712B09

SAMPLER: R.Mitchell/Harza NE

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
Dichlorodifluoromethane	SW846-8021B	<5.0	ug/l	07/20/00
Chloromethane	SW846-8021B	<5.0	ug/l	07/20/00
Vinyl chloride	SW846-8021B	<5.0	ug/l	07/20/00
Chloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Bromomethane	SW846-8021B	<5.0	ug/l	07/20/00
Trichlorofluoromethane	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloroethene	SW846-8021B	<5.0	ug/l	07/20/00
Methylene chloride	SW846-8021B	<5.0	ug/l	07/20/00
trans-1,2-Dichloroethene	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
2,2-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
cis-1,2-Dichloroethene	SW846-8021B	126	ug/l	07/20/00
Bromochloromethane	SW846-8021B	<5.0	ug/l	07/20/00
Chloroform	SW846-8021B	<5.0	ug/l	07/20/00
1,1,1-Trichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
Carbon Tetrachloride	SW846-8021B	<5.0	ug/l	07/20/00
Benzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Trichloroethene	SW846-8021B	119	ug/l	07/20/00
1,2-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
Dibromomethane	SW846-8021B	<5.0	ug/l	07/20/00
Bromodichloromethane	SW846-8021B	<5.0	ug/l	07/20/00
cis-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
Toluene	SW846-8021B	<5.0	ug/l	07/20/00
trans-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
1,1,2-Trichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Tetrachloroethene	SW846-8021B	<5.0	ug/l	07/20/00
1,3-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
Dibromochloromethane	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dibromoethane	SW846-8021B	<5.0	ug/l	07/20/00
Chlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

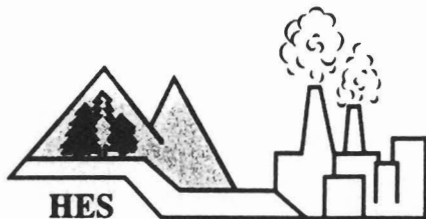
SAMPLE DESCRIPTION: DS-2

H.E.S. #: 000712B09 (Continued)

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
1,1,1,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Ethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
m-Xylene-p-Xylene	SW846-8021B	<5.0	ug/l	07/20/00
o-Xylene	SW846-8021B	<5.0	ug/l	07/20/00
Styrene	SW846-8021B	<5.0	ug/l	07/20/00
Bromoform	SW846-8021B	<5.0	ug/l	07/20/00
Isopropylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
Bromobenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,1,2,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	07/20/00
1,2,3-Trichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
n-Propylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
2-Chlorotoluene	SW846-8021B	<5.0	ug/l	07/20/00
4-Chlorotoluene	SW846-8021B	<5.0	ug/l	07/20/00
1,3,5-Trimethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
4-Isopropyltoluene	SW846-8021B	<5.0	ug/l	07/20/00
1,2,4-Trimethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
sec-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,3-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
tert-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,4-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
n-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dibromo-3-chloropropane	SW846-8021B	<5.0	ug/l	07/20/00
1,2,4-Trichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
Hexachlorobutadiene	SW846-8021B	<5.0	ug/l	07/20/00
Naphthalene	SW846-8021B	<5.0	ug/l	07/20/00
1,2,3-Trichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
MTBE	SW846-8021B	<5.0	ug/l	07/20/00

Non-Target Peaks

Negative



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

DATE SAMPLED: 07/11/00

SAMPLE DESCRIPTION: DV-1

DATE SAMPLE RECD: 07/12/00

MATRIX: Groundwater

TIME SAMPLED: 11:15 am

LOCATION: NYSDOT-Barlow Road

TYPE: Grab

H.E.S. #: 000712B08

SAMPLER: R.Mitchell/Harza NE

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
Dichlorodifluoromethane	SW846-8021B	<5.0	ug/l	07/20/00
Chloromethane	SW846-8021B	<5.0	ug/l	07/20/00
Vinyl chloride	SW846-8021B	<5.0	ug/l	07/20/00
Chloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Bromomethane	SW846-8021B	<5.0	ug/l	07/20/00
Trichlorofluoromethane	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloroethene	SW846-8021B	<5.0	ug/l	07/20/00
Methylene chloride	SW846-8021B	<5.0	ug/l	07/20/00
trans-1,2-Dichloroethene	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
2,2-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
cis-1,2-Dichloroethene	SW846-8021B	139	ug/l	07/20/00
Bromochloromethane	SW846-8021B	<5.0	ug/l	07/20/00
Chloroform	SW846-8021B	<5.0	ug/l	07/20/00
1,1,1-Trichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
Carbon Tetrachloride	SW846-8021B	<5.0	ug/l	07/20/00
Benzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Trichloroethene	SW846-8021B	136	ug/l	07/20/00
1,2-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
Dibromomethane	SW846-8021B	<5.0	ug/l	07/20/00
Bromodichloromethane	SW846-8021B	<5.0	ug/l	07/20/00
cis-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
Toluene	SW846-8021B	<5.0	ug/l	07/20/00
trans-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
1,1,2-Trichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Tetrachloroethene	SW846-8021B	<5.0	ug/l	07/20/00
1,3-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
Dibromochloromethane	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dibromoethane	SW846-8021B	<5.0	ug/l	07/20/00
Chlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

SAMPLE DESCRIPTION: DV-1

H.E.S. #: 000712B08 (Continued)

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
1,1,1,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Ethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
m-Xylene-p-Xylene	SW846-8021B	<5.0	ug/l	07/20/00
o-Xylene	SW846-8021B	<5.0	ug/l	07/20/00
Styrene	SW846-8021B	<5.0	ug/l	07/20/00
Bromoform	SW846-8021B	<5.0	ug/l	07/20/00
Isopropylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
Bromobenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,1,2,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	07/20/00
1,2,3-Trichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
n-Propylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
2-Chlorotoluene	SW846-8021B	<5.0	ug/l	07/20/00
4-Chlorotoluene	SW846-8021B	<5.0	ug/l	07/20/00
1,3,5-Trimethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
4-Isopropyltoluene	SW846-8021B	<5.0	ug/l	07/20/00
1,2,4-Trimethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
sec-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,3-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
tert-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,4-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
n-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dibromo-3-chloropropane	SW846-8021B	<5.0	ug/l	07/20/00
1,2,4-Trichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
Hexachlorobutadiene	SW846-8021B	<5.0	ug/l	07/20/00
Naphthalene	SW846-8021B	<5.0	ug/l	07/20/00
1,2,3-Trichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
MTBE	SW846-8021B	<5.0	ug/l	07/20/00

Non-Target Peaks

Negative



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

DATE SAMPLED: 07/11/00

SAMPLE DESCRIPTION: DV-4

DATE SAMPLE RECD: 07/12/00

MATRIX: Groundwater

TIME SAMPLED: 11:45 am

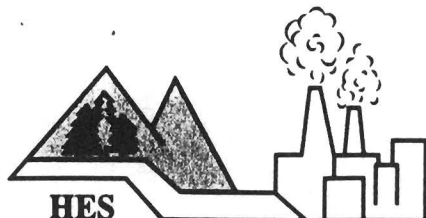
LOCATION: NYSDOT-Barlow Road

TYPE: Grab

H.E.S. #: 000712B10

SAMPLER: R.Mitchell/Harza NE

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
Dichlorodifluoromethane	SW846-8021B	<5.0	ug/l	07/20/00
Chloromethane	SW846-8021B	<5.0	ug/l	07/20/00
Vinyl chloride	SW846-8021B	<5.0	ug/l	07/20/00
Chloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Bromomethane	SW846-8021B	<5.0	ug/l	07/20/00
Trichlorofluoromethane	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloroethene	SW846-8021B	<5.0	ug/l	07/20/00
Methylene chloride	SW846-8021B	<5.0	ug/l	07/20/00
trans-1,2-Dichloroethene	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
2,2-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
cis-1,2-Dichloroethene	SW846-8021B	97	ug/l	07/20/00
Bromochloromethane	SW846-8021B	<5.0	ug/l	07/20/00
Chloroform	SW846-8021B	<5.0	ug/l	07/20/00
1,1,1-Trichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
Carbon Tetrachloride	SW846-8021B	<5.0	ug/l	07/20/00
Benzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Trichloroethene	SW846-8021B	97	ug/l	07/20/00
1,2-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
Dibromomethane	SW846-8021B	<5.0	ug/l	07/20/00
Bromodichloromethane	SW846-8021B	<5.0	ug/l	07/20/00
cis-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
Toluene	SW846-8021B	<5.0	ug/l	07/20/00
trans-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
1,1,2-Trichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Tetrachloroethene	SW846-8021B	<5.0	ug/l	07/20/00
1,3-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
Dibromochloromethane	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dibromoethane	SW846-8021B	<5.0	ug/l	07/20/00
Chlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

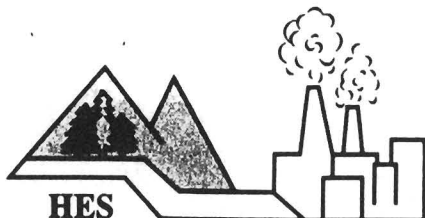
SAMPLE DESCRIPTION: DV-4

H.E.S. #: 000712B10 (Continued)

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
1,1,1,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Ethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
m-Xylene-p-Xylene	SW846-8021B	<5.0	ug/l	07/20/00
o-Xylene	SW846-8021B	<5.0	ug/l	07/20/00
Styrene	SW846-8021B	<5.0	ug/l	07/20/00
Bromoform	SW846-8021B	<5.0	ug/l	07/20/00
Isopropylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
Bromobenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,1,2,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	07/20/00
1,2,3-Trichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
n-Propylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
2-Chlorotoluene	SW846-8021B	<5.0	ug/l	07/20/00
4-Chlorotoluene	SW846-8021B	<5.0	ug/l	07/20/00
1,3,5-Trimethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
4-Isopropyltoluene	SW846-8021B	<5.0	ug/l	07/20/00
1,2,4-Trimethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
sec-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,3-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
tert-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,4-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
n-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dibromo-3-chloropropane	SW846-8021B	<5.0	ug/l	07/20/00
1,2,4-Trichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
Hexachlorobutadiene	SW846-8021B	<5.0	ug/l	07/20/00
Naphthalene	SW846-8021B	<5.0	ug/l	07/20/00
1,2,3-Trichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
MTBE	SW846-8021B	<5.0	ug/l	07/20/00

Non-Target Peaks

Negative



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

DATE SAMPLED: 07/11/00

SAMPLE DESCRIPTION: DV-5

DATE SAMPLE RECD: 07/12/00

MATRIX: Groundwater

TIME SAMPLED: 12:00 pm

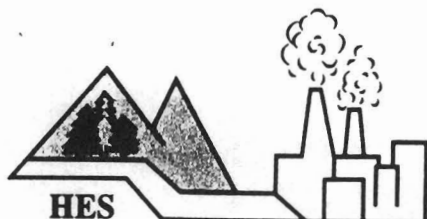
LOCATION: NYSDOT-Barlow Road

TYPE: Grab

H.E.S. #: 000712B11

SAMPLER: R.Mitchell/Harza NE

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
Dichlorodifluoromethane	SW846-8021B	<0.5	ug/l	07/20/00
Chloromethane	SW846-8021B	<0.5	ug/l	07/20/00
Vinyl chloride	SW846-8021B	<0.5	ug/l	07/20/00
Chloroethane	SW846-8021B	<0.5	ug/l	07/20/00
Bromomethane	SW846-8021B	<0.5	ug/l	07/20/00
Trichlorofluoromethane	SW846-8021B	<0.5	ug/l	07/20/00
1,1-Dichloroethene	SW846-8021B	<0.5	ug/l	07/20/00
Methylene chloride	SW846-8021B	<0.5	ug/l	07/20/00
trans-1,2-Dichloroethene	SW846-8021B	<0.5	ug/l	07/20/00
1,1-Dichloroethane	SW846-8021B	<0.5	ug/l	07/20/00
2,2-Dichloropropane	SW846-8021B	<0.5	ug/l	07/20/00
cis-1,2-Dichloroethene	SW846-8021B	9.1	ug/l	07/20/00
Bromochloromethane	SW846-8021B	<0.5	ug/l	07/20/00
Chloroform	SW846-8021B	<0.5	ug/l	07/20/00
1,1,1-Trichloroethane	SW846-8021B	<0.5	ug/l	07/20/00
1,1-Dichloropropene	SW846-8021B	<0.5	ug/l	07/20/00
Carbon Tetrachloride	SW846-8021B	<0.5	ug/l	07/20/00
Benzene	SW846-8021B	<0.5	ug/l	07/20/00
1,2-Dichloroethane	SW846-8021B	<0.5	ug/l	07/20/00
Trichloroethene	SW846-8021B	13	ug/l	07/20/00
1,2-Dichloropropane	SW846-8021B	<0.5	ug/l	07/20/00
Dibromomethane	SW846-8021B	<0.5	ug/l	07/20/00
Bromodichloromethane	SW846-8021B	<0.5	ug/l	07/20/00
cis-1,3-Dichloropropene	SW846-8021B	<0.5	ug/l	07/20/00
Toluene	SW846-8021B	<0.5	ug/l	07/20/00
trans-1,3-Dichloropropene	SW846-8021B	<0.5	ug/l	07/20/00
1,1,2-Trichloroethane	SW846-8021B	<0.5	ug/l	07/20/00
Tetrachloroethene	SW846-8021B	<0.5	ug/l	07/20/00
1,3-Dichloropropane	SW846-8021B	<0.5	ug/l	07/20/00
Dibromochloromethane	SW846-8021B	<0.5	ug/l	07/20/00
1,2-Dibromoethane	SW846-8021B	<0.5	ug/l	07/20/00
Chlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

SAMPLE DESCRIPTION: DV-5

H.E.S. #: 000712B11 (Continued)

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
1,1,1,2-Tetrachloroethane	SW846-8021B	<0.5	ug/l	07/20/00
Ethylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
m-Xylene-p-Xylene	SW846-8021B	<0.5	ug/l	07/20/00
o-Xylene	SW846-8021B	<0.5	ug/l	07/20/00
Styrene	SW846-8021B	<0.5	ug/l	07/20/00
Bromoform	SW846-8021B	<0.5	ug/l	07/20/00
Isopropylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
Bromobenzene	SW846-8021B	<0.5	ug/l	07/20/00
1,1,2,2-Tetrachloroethane	SW846-8021B	<0.5	ug/l	07/20/00
1,2,3-Trichloropropane	SW846-8021B	<0.5	ug/l	07/20/00
n-Propylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
2-Chlorotoluene	SW846-8021B	<0.5	ug/l	07/20/00
4-Chlorotoluene	SW846-8021B	<0.5	ug/l	07/20/00
1,3,5-Trimethylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
4-Isopropyltoluene	SW846-8021B	<0.5	ug/l	07/20/00
1,2,4-Trimethylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
sec-Butylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
1,3-Dichlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00
tert-Butylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
1,4-Dichlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00
1,2-Dichlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00
n-Butylbenzene	SW846-8021B	<0.5	ug/l	07/20/00
1,2-Dibromo-3-chloropropane	SW846-8021B	<0.5	ug/l	07/20/00
1,2,4-Trichlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00
Hexachlorobutadiene	SW846-8021B	<0.5	ug/l	07/20/00
Naphthalene	SW846-8021B	<0.5	ug/l	07/20/00
1,2,3-Trichlorobenzene	SW846-8021B	<0.5	ug/l	07/20/00
MTBE	SW846-8021B	<0.5	ug/l	07/20/00

Non-Target Peaks

Negative



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

SAMPLE DESCRIPTION: DV-8

MATRIX: Groundwater

LOCATION: NYSDOT-Barlow Road

H.E.S. #: 000712B12

DATE SAMPLED: 07/11/00

DATE SAMPLE RECD: 07/12/00

TIME SAMPLED: 12:15 pm

TYPE: Grab

SAMPLER: R.Mitchell/Harza NE

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
Dichlorodifluoromethane	SW846-8021B	<5.0	ug/l	07/20/00
Chloromethane	SW846-8021B	<5.0	ug/l	07/20/00
Vinyl chloride	SW846-8021B	<5.0	ug/l	07/20/00
Chloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Bromomethane	SW846-8021B	<5.0	ug/l	07/20/00
Trichlorofluoromethane	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloroethene	SW846-8021B	<5.0	ug/l	07/20/00
Methylene chloride	SW846-8021B	<5.0	ug/l	07/20/00
trans-1,2-Dichloroethene	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
2,2-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
cis-1,2-Dichloroethene	SW846-8021B	342	ug/l	07/20/00
Bromochloromethane	SW846-8021B	<5.0	ug/l	07/20/00
Chloroform	SW846-8021B	<5.0	ug/l	07/20/00
1,1,1-Trichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
1,1-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
Carbon Tetrachloride	SW846-8021B	<5.0	ug/l	07/20/00
Benzene	SW846-8021B	7.8	ug/l	07/20/00
1,2-Dichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Trichloroethene	SW846-8021B	109	ug/l	07/20/00
1,2-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
Dibromomethane	SW846-8021B	<5.0	ug/l	07/20/00
Bromodichloromethane	SW846-8021B	<5.0	ug/l	07/20/00
cis-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
Toluene	SW846-8021B	14	ug/l	07/20/00
trans-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	07/20/00
1,1,2-Trichloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Tetrachloroethene	SW846-8021B	<5.0	ug/l	07/20/00
1,3-Dichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
Dibromochloromethane	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dibromoethane	SW846-8021B	<5.0	ug/l	07/20/00
Chlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803

Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803

Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Harza Northeast

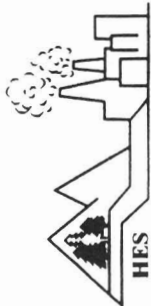
SAMPLE DESCRIPTION: DV-8

H.E.S. #: 000712B12 (Continued)

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>TEST DATE</u>
1,1,1,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	07/20/00
Ethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
m-Xylene-p-Xylene	SW846-8021B	<5.0	ug/l	07/20/00
o-Xylene	SW846-8021B	<5.0	ug/l	07/20/00
Styrene	SW846-8021B	<5.0	ug/l	07/20/00
Bromoform	SW846-8021B	<5.0	ug/l	07/20/00
Isopropylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
Bromobenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,1,2,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	07/20/00
1,2,3-Trichloropropane	SW846-8021B	<5.0	ug/l	07/20/00
n-Propylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
2-Chlorotoluene	SW846-8021B	<5.0	ug/l	07/20/00
4-Chlorotoluene	SW846-8021B	<5.0	ug/l	07/20/00
1,3,5-Trimethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
4-Isopropyltoluene	SW846-8021B	<5.0	ug/l	07/20/00
1,2,4-Trimethylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
sec-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,3-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
tert-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,4-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
n-Butylbenzene	SW846-8021B	<5.0	ug/l	07/20/00
1,2-Dibromo-3-chloropropane	SW846-8021B	<5.0	ug/l	07/20/00
1,2,4-Trichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
Hexachlorobutadiene	SW846-8021B	<5.0	ug/l	07/20/00
Naphthalene	SW846-8021B	<5.0	ug/l	07/20/00
1,2,3-Trichlorobenzene	SW846-8021B	<5.0	ug/l	07/20/00
MTBE	SW846-8021B	<5.0	ug/l	07/20/00

Non-Target Peaks

Negative



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Road, South Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., South Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CHAIN OF CUSTODY RECORD/ Lab Work Request

Client Harzen Engineering Co.

Mail Address 181 Genesee St

Client Contact/Person # Rick Mitchell

Utica, NY 13501

Project Location NYS DOT - Barlow Rd.

Purchase Order _____

Phone # _____

HES Contact _____

HES Use Only Lab ID	Sample ID / Description	Date Collected	TIME A=a.m. P=p.m.	SAMPLE TYPE C=Composite G=Grab	# Conts.	ANALYSIS REQUIRED
0712001	SS-4	7/11/00	9:30 P	1720	2	80216 + PCE + MTBE
002	SS-5		9:45 P		2	
003	SS-8		10:00 P			
004	SS-10		10:15 P			
005	FHX-12		10:30 P			
006	SS-12		10:45 P			
007	SV-14		11:00 P			
008	DV-1		11:15 P			

Special Instructions:
DS - Drum Solids
DL - Drum Liquids
X - Other
WW - Waste Water
SW - Surface Water
L - Leachate
A - Air
WI - Wipe
SL - Sludge
O - Oil
DW - Drinking Water
GW - Ground Water
SE - Sediment
SO - Solid

Sampled by: (Signature) <u>[Signature]</u>	Date/Time <u>7/11/00 2 PM</u>	Received by: (Signature) <u>Fed Ex</u>	Date/Time
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Dispatched by: (Signature)	Date/Time	Method of Shipment:	Date/Time
Received by: (Signature) <u>[Signature]</u>	Date/Time <u>7/11/00 9:10 AM</u>	Turnaround Time: <u>Normal</u>	Lab Approval:

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy

HES
Use Only

Samples Were:
1. Shipped by Hand Delivered
NOTES:

2. Ambient or Chilled
NOTES:

3. Received Broken/
Leaking (Improperly
Sealed)
Y N
NOTES:

4. Properly Preserved
NOTES: Y N

5. Received Within
Holding Times
Y N
NOTES:

COC Tape Was:
1. Present on Outer
Package Y N

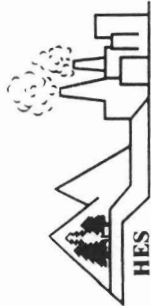
2. Unbroken on Outer
Package Y N

3. Present on Sample
Y N

4. Unbroken on Sample
NOTES: Y N

COC Record Was:
1. Present upon Receipt of
Samples Y N

Discrepancies Between
Sample Labels and COC
Record?
Y N
NOTES:



HUDSON ENVIRONMENTAL SERVICES, INC.

Mail: 22 Hudson Falls Road, South Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., South Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CHAIN OF CUSTODY RECOF Lab Work Request

Client Harza Engineering Co.
Client Contact/Person # Rock Mitchell
Project Location W. 5000 Barlow Rd
Purchase Order _____
HES Contact _____

Mail Address 181 Genesee St.
Watkinsville, NY 13501
Phone # (315) 797-5800

HES Use Only Lab ID	Sample ID / Description	Date Collected	TIME A = a.m. P = p.m.	SAMPLE TYPE C = Composite G = Grab			# Conts.	ANALYSIS REQUIRED
				MATRIX	C	G		
0712BD9	DS-2	7/11/00	11:30 P	H ₂ O		✓	2	80216 + PCE + MTBE
010	DV-4		11:45 P			✓	2	
011	DV-5		12:00 P			✓	2	
012	DV-8		12:15 P			✓	2	
013	MW-13		12:30 P			✓	2	
014	SS-16		12:30 P			✓	2	VOC

Matrix S - Soil SE - Sediment SO - Solid	SL - Sludge O - Oil DW - Drinking Water GW - Ground Water	SW - Surface Water L - Leachate A - Air WI - Wipe	DS - Drum Solids DL - Drum Liquids X - Other WW - Waste Water	Special Instructions:	

Sampled by: (Signature) <u>R. Mitchell</u>	Date/Time <u>7/11/00 2 PM</u>	Received by: (Signature) <u>Fed Ex.</u>	Date/Time
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Dispatched by: (Signature)	Method of Shipment:		Date/Time
Received at Lab: <u>Harza Engineering Co.</u>	Date/Time <u>7/12/00 9:10 AM</u>	Lab Approval: <u>Normal</u>	

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy

HES
Use Only

1. Samples Were:
Shipped or
Hand Delivered
NOTES:

2. Ambient or Chilled
NOTES:

3. Received Broken/
Leaking (Improperly
Sealed)
Y N
NOTES:

4. Properly Preserved
NOTES:

5. Received Within
Holding Times
Y N
NOTES:

COC Tape Was:

1. Present on Outer
Package Y N

2. Unbroken on Outer
Package Y N

3. Present on Sample
Y N

4. Unbroken on Sample
NOTES: Y N

COC Record Was:

1. Present upon Receipt of
Samples Y N

Discrepancies Between
Sample Labels and COC
Record?
Y N

NOTES: