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March 16, 2005

Reference No. 6029-50

Mr. Regan S. Williams
State Project Coordinator
Ohio EPA - Division of
Emergency & Remedial Response
2110 East Aurora Road
Twinsburg, Ohio 44087

2003775

Dear Mr. Williams:

Re: October 2004 Groundwater Monitoring Report
Summit National Superfund Site
Deerfield, Ohio

In accordance with the Consent Decree and Statement of Work (SOW) requirements for the Summit National Superfund Site (Site) in Deerfield, Ohio, the Summit National Facility Trust (SNFT) herewith submits two copies of the Year 2004 fourth quarterly groundwater hydraulic monitoring data, and the Year 2004 annual groundwater analytical results, as required by the groundwater monitoring program for the Site. The groundwater hydraulic monitoring and sampling was conducted during the period of October 4 to 9, 2004.

As discussed in Section C of this report, there is no indication of adverse impact to the off-Site groundwater in any of the groundwater units either before any remedial action at the Site, or since the 10 years of active groundwater pump and treatment operations. Therefore, it is requested that the operation of the WTU pipe and media drain system be suspended for a year, while the SNFT continues to implement the groundwater monitoring program. Should there be an increasing trend in the off Site groundwater monitoring wells, then SNFT will reinstate the operation of the pipe and media drain system.

A. Groundwater Quality Monitoring

As required by the SOW, the October 2004 round of groundwater sampling included sampling of the water table unit (WTU), upper intermediate unit (UIU), lower intermediate unit (LIU), and upper Sharon unit (USU) monitoring wells. Consistent with the September 13, 1996 letter to the United States Environmental Protection Agency (USEPA) and the Ohio Environmental Protection Agency (OEPA), the samples collected during the October 2004 round of groundwater quality monitoring were analyzed by Accutest of Dayton, New Jersey for the full Target Compound List/Target Analyte List (TCL/TAL).

Attachment A is a memorandum summarizing the groundwater quality monitoring field activities for the October 2004 groundwater quality monitoring program. Six of the 19 WTU wells, 10 of the 12 UIU wells, all of the 14 LIU wells, and two of the six USU

wells were purged dry. All wells recovered sufficiently for complete sample sets to be obtained. The fact that these wells purged dry is indicative that there is very little groundwater movement in each of the groundwater units.

Attachment B presents the analytical results for the detected compounds in the groundwater samples collected in October 2004, as follows:

Table in Attachment B	*Analytical Results*
Table 1	Detected TCL/TAL parameters
Table 2	Rinsate blanks
Table 3	Trip blanks

CRA's data quality assurance evaluation for the October 2004 groundwater analyses is included in **Attachment C**. The majority of the data were determined to be usable. Data qualified as unusable were the result of demonstrated matrix interferences.

Included in **Attachment D** is a compact disc with an electronic copy of all the historical groundwater quality and elevation data for the Site. The data are accessible through a data access tool called e:DAT. The e:DAT File integrates a Site map with groundwater monitoring locations, historical groundwater analytical data, and historical groundwater level data. Instruction on installing e:DAT and viewing the historical groundwater data are included on the compact disc. This electronic presentation of the historical groundwater monitoring data is provided in lieu of printing all the data.

A summary of the Volatile Organic Compounds (VOCs), Acid Extractable Compounds, Base/Neutral Acid (BNA) Compounds, and Pesticides and Polychlorinated Biphenyl (PCB) Compounds detected in the WTU, UIU, LIU, and USU groundwater samples for the November 1994, October 1999, and October 2004 groundwater sampling events (with analyses for the full TCL/TAL parameters list) are presented on attached Plans WTU, UIU, LIU, and USU, respectively. A discussion of the 1994 through 2004 groundwater analytical data is provided below.

VOC concentration trends from 1994 to 2004 for wells with detectable VOC concentrations are provided in **Attachment D**; and show that there are no significant increasing or decreasing trends in groundwater quality in any of the groundwater units during the 10 years of active groundwater pumping and treatment at the Site. This is attributed to the fact that there is very little groundwater movement in each of the groundwater units.

Water Table Unit:

VOC's continue to be detected in the six monitoring wells in the southern portion of the site. Ten years of pumping and treatment at the Site have had little effect on groundwater quality. This is attributed to the fact that there is very little groundwater movement in the WTU.

Similarily, acid extractables continue to be detected in one on-Site well (MW-107), and BNAs continue to be detected in three on-Site wells (MW-105, MW-106, and MW-107), and three off-Site wells (MW-4, MW-117, and MW-118).

No pesticides or PCBs were detected in any of the WTU wells in 2004.

Upper Intermediate Unit:

For VOCs, Acid Extractables and BNAs :

No significant changes in VOCs, Acid Extractables or BNAs concentrations were observed.

For Pesticides/PCBs:

PCBs were detected at two locations in 1999 (MW 205 and MW 219) the last time PCBs were analyzed, but were not detected in 2004.

Lower Intermediate Unit:

No significant changes in VOCs, Acid Extractables, BNAs, or Pesticide/PCB concentrations were observed.

Upper Sharon Unit:

No significant changes in VOCs, Acid Extractables, BNAs, or Pesticide/PCB concentrations were observed.

B. Groundwater Hydraulic Monitoring

Groundwater levels in the WTU, UIU, LIU, and USU monitoring wells and piezometers at the Site were measured on October 4, 2004, and are presented in **Attachment E**. The groundwater hydraulic data were reduced to elevations and entered into a computer database as required by the SOW. Groundwater contours for the WTU, UIU, LIU, and the USU for the October 2004 monitoring event also are presented on figures in **Attachment E**. Groundwater hydrographs for the period of November 1994 to October 2004 for each of the wells and piezometers used for hydraulic monitoring are included electronically in e:DAT in **Attachment D**.

The groundwater contours presented in **Attachment E** were prepared incorporating an exponential variogram and a linear drift function with the Kriging interpolation method (as implemented in SURFER for Windows, Golden Software, Inc., Golden, Colorado, 2004).

Review of the groundwater elevation data for the Site allows the following observations and conclusions to be made regarding the groundwater flow system in the vicinity of the Site:

1. the groundwater elevation contours for the October 2004 hydraulic monitoring of the WTU demonstrate that the operation of the pipe and media drain system is maintaining hydraulic containment of the on-Site portion of the WTU, as well as portions of the WTU to the north, west, and south of the Site; and
2. the horizontal direction of groundwater flow is generally southeasterly in the WTU as has been consistently observed in the past. The groundwater flow direction in all the bedrock units (i.e., UIU, LIU, and USU) appears to be in a generally easterly direction. The on-Site potable water well groundwater elevation is not considered to be representative of the groundwater flow patterns in the USU.

C. Discussion

The only movement in chemistry in the groundwater units appears to be caused by the influence of the pipe and media drain. The drawdown caused by the pipe and media drain affects some chemistry movement in the southern portion of the Site in the WTU, however there is no indication of adverse impact to the off-Site groundwater in any of the groundwater units either before any remedial action at the Site, or since the 10 years of active groundwater pump and treatment operations. Groundwater movement is less than estimated in the RI/FS for the Site, and groundwater contamination in the WTU at the Site is not migrating to the pipe and drain system as much as anticipated. This is now believed to be the result of the strip mining operations at the Site which predated

the use of the Site as a treatment facility for hazardous wastes. The windrows of the strip mine operation which were excavated to the complete depth of the overburden soils, cause barriers to groundwater flow and contaminant migration in the WTU.

As required by the Consent Decree for the Site, the groundwater performance standards for the Site must be attained at each of the WTU, UIU, LIU, and USU monitoring wells (except for those wells designated as background wells). The groundwater performance standards for the Site are as follows:

1. an individual 10^{-6} increased lifetime cancer risk and a cumulative non-carcinogenic Hazard Index (HI) less than 1; or
2. background, whichever occurs first.

Included in **Attachment F** is a table that presents the carcinogenic performance standards. Included in **Attachment G** is an evaluation of the non-carcinogenic performance standards and the background groundwater concentrations for the October 2004 groundwater sampling event. A summary of each monitoring well's compliance or non-compliance with the performance standards for the Site is included on **Table 1** for the October 2004 groundwater monitoring event.

For the October 2004 groundwater monitoring event, groundwater from the following wells did not meet the groundwater performance standards:

1. Performance Standard Exceedances Attributable to Past Disposal Practices:

    1. Water Table Unit: MW-11, MW-107, MW-108, and MW-111 (on-Site monitoring wells in the southern portion of the Site),
    2. Upper Intermediate Unit: MW-223 (on Site and adjacent to the wet well of the pipe and media drain), and
    3. Lower Intermediate: MW-321 (on Site); and

2. Performance Standard Exceedances Not Attributable to Past Disposal Practices:

    1. Water Table Unit: MW-105 and MW-106 (on-Site wells), which meet the carcinogenic and non-carcinogenic performance standards for organic compounds, but exceed the non-carcinogenic and background performance standards for inorganic compounds (Arsenic and Iron for MW-105, and Iron for MW-106),
    2. Upper Intermediate Unit: MW-209, which meets the carcinogenic and non-carcinogenic performance standards for organic compounds, but exceeds the non-carcinogenic and background performance standards for inorganic compounds (primarily Manganese), and

3. Lower Intermediate Unit:
   - MW-305, which meets the carcinogenic and non-carcinogenic performance standards for organic compounds, but exceeds the non-carcinogenic and background performance standards for inorganic compounds (primarily Iron and Manganese),
   - MW-307, which fails the carcinogenic performance standard for 4,4-DDT; however, 4,4-DDT has only been detected in 5 out of 315 groundwater samples at very low concentrations, and is not considered to be a compound of concern at the Site, and
   - MW-309 which fails the carcinogenic performance standard for Alpha-BHC; however, Alpha-BHC has only been detected in 5 out of 314 groundwater samples at very low concentrations, and is not considered to be a compound of concern at the Site.

Based on the continued stable on-Site groundwater plume, and no indication of adverse impact to the off-Site groundwater in any of the groundwater units either before any remedial action at the Site, or since the 10 years of active groundwater pump and treatment operations, it is requested that the operation of the WTU pipe and media drain system be suspended for a year, while the SNFT continues to implement the groundwater monitoring program. Should there be an increasing trend in the off Site groundwater monitoring wells, then SNFT will reinstate the operation of the pipe and media drain system.

D. Site-Specific Indicator Parameter List (SSIPL)

Included in **Attachment H** is a summary of the number of groundwater samples, number of times each compound has been detected, and the maximum and minimum detected concentrations for the WTU, UIU, LIU, and USU, from 1994 to 2004. Based on a review of the September 13, 1996 SSIPL approved by USEPA, the detected compounds in the October 2004 groundwater samples, and the compounds typically monitored to determine the occurrence of natural attenuation in groundwater, the following SSIPL is proposed for the next four rounds of groundwater monitoring:

SSIPL VOCs

Acetone
2-Butanone (MEK)
1,1,1-Trichloroethane
Chloroethane
1,1-Dichloroethane

1,2-Dichloroethane
Trichloroethylene
1,2-Dichloroethylene (total)
cis-1,2-Dichloroethylene
Vinyl Chloride
Benzene
Toluene
Ethylbenzene
Xylene

E. Residential Wells

The three residential wells (Carver, Duly, and Martin) were sampled on October 5 and 6, 2004. Analytical results of the residential well samples are included in **Attachment I**. No SSIPL VOCs were detected in the residential well samples. The groundwater hydraulic and quality monitoring data collected from the Site and from the residential wells indicate that there is no evidence of migration of contaminated groundwater to the residential wells.

F. Groundwater Monitoring Schedule

In accordance with the effectiveness monitoring program for the Site, groundwater hydraulic monitoring will continue on a quarterly basis, and groundwater quality monitoring will continue on an annual basis as follows:

Sampling Date	*Monitoring Wells*	*Analytical Parameter*
October 2005	WTU, UIU, and LIU	SSIPL VOCs
October 2006	WTU, UIU, LIU, and USU	SSIPL VOCs
October 2007	WTU, UIU, and LIU	SSIPL VOCs
October 2008	WTU, UIU, LIU, and USU	SSIPL VOCs
October 2009	WTU, UIU, LIU, and USU	Full TCL/TAL

Note:
A re-evaluation of the SSIPL and groundwater monitoring schedule will be made following the October 2009 groundwater sampling event.

SNFT trusts this letter report is sufficient for the groundwater effectiveness monitoring requirements as required by the SOW for the Site. SNFT will contact you to discuss the request to suspend operation of the WTU pipe and media drain system. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

for James Vavacuna

Steve Whillier

JV/jv/53
Encl.

c.c.: Pablo Valentin (USEPA) (2 copies)
Kenneth Walanski (SNFT)
Jeff Sussman (SNFT)
Joe Montello (SNFT)
Jack Michels (CRA) (E-mail)
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ATTACHMENT A

GROUNDWATER SAMPLING MEMORANDUM

CONESTOGA-ROVERS
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MEMORANDUM

TO: Stephen Whillier/James Varnava

REF. NO.: 6029-50

FROM: David Tyran/amd/3 DJT

DATE: October 29, 2004

RE: **Hydraulic Monitoring and Groundwater Quality Monitoring**
October 2004
Summit National Superfund Site
Deerfield Township of Portage County, Ohio

The following is a brief summary of the Site activities associated with the October 2004 round of groundwater sampling conducted from October 4 to October 8, 2004, at the Summit National Superfund Site (Site) in Deerfield Township of Portage County, Ohio.

On-Site Personnel

Field activities were conducted by Conestoga-Rovers & Associates' (CRA's) Mark Witherspoon and Dave Tyran.

Water Levels

A complete round of water level readings were taken from all on-Site and off-Site monitoring wells and collection manholes on October 4, 2004, using a Solinist electronic water level tape. The water level tape was decontaminated between water level measurements at each monitoring well. The decontamination sequence involved first rinsing the tape with potable water, and final rinsing with deionized water. A water level reading was also taken from the potable water supply well just north of the treatment plant. Well depths were sounded using a weighted measuring tape.

Purging and Sampling of Monitoring Wells

During purging of all monitoring wells, readings of pH, specific conductivity, temperature, and turbidity (dependent on field observations) were taken after the removal of each standing well volume. A summary of the well development data is provided in Table 1. The quality of the evacuated water was also noted for color and clarity. All purge waters (approximately 922 gallons) from the monitoring wells were containerized and treated at the on-Site treatment plant.

Once the monitoring wells were purged, groundwater samples were collected for analyses of the full Target Compound List (TCL) and Target Analyte List (TAL) parameters.

Monitoring wells that were purged using dedicated Waterra foot valves and tubing were sampled using a precleaned stainless steel bailer (as detailed below). Once purging of the monitoring well was completed, the tubing was removed from the well and drained. The standing water within the well was allowed to settle so that a clear sample could be collected. After sampling of the well was completed, the tubing was placed back down the well.

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Several of the Lower Intermediate Unit (LIU) and Upper Sharon Unit (USU) monitoring wells were purged using a precleaned 2-inch diameter Grundfos pump (as detailed below) with dedicated tubing. Once purging of the monitoring well was completed, the pump and tubing were removed. Sampling was completed using a precleaned stainless steel bailer after allowing the standing water to settle. After sampling of the well was completed, the tubing was placed back down the well.

Collected samples were labeled and placed in a cooler and maintained cool with ice. The samples were shipped daily by Federal Express to Accutest Laboratories in Dayton, New Jersey, under Chain of Custody protocols. Copies of the Chains of Custody are provided in Attachment A.

Decontamination Procedures

Stainless steel bailers were cleaned between monitoring wells by using the following decontamination sequence:

i) clean with brush in potable water and Alconox detergent;
ii) rinse thoroughly with potable water;
iii) rinse thoroughly with deionized water; and
iv) allow the bailer to air dry on clean aluminum foil.

Once the bailers were allowed to air dry thoroughly, they were wrapped in aluminum foil prior to use at each monitoring well.

The Grundfos pump was cleaned between monitoring wells by using the following decontamination sequence:

i) run pump in a pail filled with potable water and Alconox (pump discharge water back into pail);
ii) run pump in a pail filled with potable water (pump discharge water back into pail);
iii) rinse pump with deionized water; and
iv) wipe pump with clean paper towel and wrap in aluminum foil.

Water Table Unit (WTU) Monitoring Well Sampling

All of the WTU monitoring wells, except MW-101, MW-103, MW-104, MW-106, and MW-116 were purged using dedicated Waterra foot valves and tubing. Monitoring wells MW-101, MW-103, MW-104, MW-106, and MW-116 were purged using a precleaned stainless steel bailer.

As shown in Table 1, six out of the 19 WTU monitoring wells were purged dry. All dry wells recovered sufficiently for complete sample sets to be taken.

Upper Intermediate Unit (UIU) Monitoring Well Sampling

All of the UIU monitoring wells except MW-203, MW-207, MW-219, and MW-224 were purged using dedicated Waterra foot valves and tubing. Monitoring wells MW-203, MW-207, MW-219, and MW-224 were purged using a precleaned 2-inch diameter Grundfos pump. As shown in Table 1, ten of the 12 UIU monitoring wells went dry before reaching stabilization. All ten wells recovered sufficiently for complete sample sets to be taken.

Lower Intermediate Unit (LIU) Monitoring Well Sampling

The LIU monitoring wells were purged using either a precleaned 2-inch diameter Grundfos pump with dedicated tubing or dedicated Waterra foot valve and tubing. As shown in Table 1, only monitoring wells MW-304, MW-305, and MW-306 had sufficient recharge to allow stabilization by purging three or more volumes. The remaining 11 wells were purged dry. All 11 wells recovered sufficiently for complete sample sets to be taken.

Upper Sharon Unit (USU) Monitoring Well Sampling

All six USU monitoring wells were purged using a precleaned 2-inch diameter Grundfos pump with dedicated tubing. With the exception of monitoring well MW-421, all wells were purged dry. The dry wells recovered sufficiently for complete sample sets to be taken.

Field Quality Assurance/Quality Control (QA/QC) Program

Field QA/QC samples collected during the October 2004 round of groundwater sampling included a total of five blind field duplicates and five stainless steel bailer rinsate blanks. Three matrix spike and matrix spike duplicates (MS/MSDs) were also collected. One trip blank was sent with each shipment of samples to the laboratory by placing all volatile organic compound (VOC) samples in the same cooler with the trip blank.

Stainless steel bailer rinsate blanks were collected by pouring lab supplied deionized water into a precleaned bailer and then filling the sample containers.

Monitoring Well Redevelopment

In addition to the sampling activities completed this round, two monitoring wells with historically high pH readings were redeveloped. Monitoring wells MW-322 and MW-324 were purged to dryness for two consecutive days (October 4 and October 5, 2004). Table 3 contains a summary of the redevelopment volumes and pH readings. Groundwater samples were taken after the completion of the redevelopment.

Residential Well Sampling

Three residential wells were sampled this round for Site-Specific Indicator Parameter List (SSIPL) of select volatile organic compounds (VOCs) and metals (unfiltered). Samples were collected from Ms. Kathy Martin, located directly east and adjacent to the Site; Mr. and Mrs. Duley, just east of Ms. Martin; and Mr. and Mrs. Carver, who live on the north side of Route 224, one-half mile east of the Site.

Sampling consisted of a 15-minute purge from an outdoor spigot (Carver's spigot located in basement) then filling the sample bottles directly from the spigot. All three sample locations were located before any water softeners or treatment systems and as close to the wellhead as possible.

Ms. Martin, Mr. and Mrs. Carver, and Mr. and Mrs. Duley all have requested a copy of the analytical results pertaining to their wells.

Surface Water/Sediment Sample

Surface water and sediment samples were collected at the confluence of the south and east drainage ditches.

TABLE 1

SUMMARY OF MONITORING WELL DEVELOPMENT DATA
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO
OCTOBER 2004

Well I.D.	*Date Purged/ Sampled*	*Well Volume (Gallons)*	*Purged Volume (Gallons)*	*Time*	*Conductivity (ms/cm)*	*pH*	*Temperature (°C)*	*Turbidity (NTU)*	*Water Quality*	*Purge/Sampling Method*	*Comments*
MW-4	10/04/04	11.6	11.6	1550	2,750	6.55	13.2	491	Cloudy brown	Waterra/SS bailer	Well dry @13.0 gallons
	10/04/04		Sample	1740					Clear colorless	for all parameters	
MW-11	10/07/04	1.6	1.6	1132	3,060	7.13	12.5	85	Cloudy brown	Waterra/Teflon bailer	Good recharge
			3.2	1133	2,250	6.78	12.7	107	Clear, colorless	for all parameters	
			4.8	1134	2,070	6.71	13.2	58	Clear, colorless		
			6.4	1135	2,080	6.63	12.8	34	Clear, colorless		
	10/07/04		Sample	1620					Clear, colorless		
MW-101	10/06/04	2.1	2.1	0848	2,630	6.72	11.1	821	Cloudy red/brown	SS bailers/SS bailer	Good Recharge
			4.2	0852	2,670	6.25	12.3	632	Cloudy red/brown	for all parameters	
			6.3	0855	2,620	6.23	12.2	>999	Cloudy brown		
	10/06/03		Sample	1450					Slightly cloudy, brown		
MW-102	10/06/04	2.6	2.6	1152	1,910	6.66	13.6	207	Cloudy brown	Waterra/SS bailer	Good recharge
			5.2	1157	1,940	6.64	13.3	257	Cloudy brown	for all parameters	
			7.8	1210	1,940	6.70	14.0	265	Cloudy brown		
	10/06/04		Sample	1610					Cloudy brown		
MW-103	10/06/04	2.8	2.8	0739	2,140	5.47	10.3	>999	Cloudy brown	Waterra/SS bailer	Good recharge
			5.6	0743	2,070	5.74	12.1	503	Cloudy brown	for all parameters	
			8.4	0746	2,050	5.95	12.5	493	Cloudy brown		
	10/06/04		Sample	1600					Cloudy brown		
MW-104	10/07/04	2.1	2.1	1019	2,780	6.77	12.7	870	Cloudy brown	SS bailers/SS bailer	Good recharge
			4.2	1021	2,520	6.42	12.9	233	Cloudy brown	for all parameters	
			6.3	1023	2,690	6.05	12.7	199	Cloudy brown		
	10/07/04		Sample	1730					Clear, colorless		
MW-105	10/07/04	1.8	1.8	1015	NM	6.03	12.8	89	Cloudy brown	Waterra/SS bailer	Good recharge
			3.6	1020	3,260	5.81	11.9	116	Cloudy brown	for all parameters	
			5.4	1023	3,290	5.86	11.4	22	Clear, colorless		
	10/07/04		Sample	1750					Slightly cloudy, brown		
MW-106	10/07/04	2.7	2.7	0819	2,880	6.61	9.9	20	Clear, colorless	SS bailers/SS bailer	Good recharge
			5.4	0824	2,860	5.92	10.7	26	Clear, colorless	for all parameters	
			8.1	0826	2,860	5.81	10.9	23	Clear, colorless		
	10/07/04		Sample	1650					Clear, colorless		
MW-107	10/07/04	3.0	3.0	1154	3,560	7.16	12.9	16	Clear, colorless, moderate chemical odor	Waterra/SS bailer	Good recharge
			6.0	1158	3,320	7.34	12.0	8	Clear, colorless, moderate chemical odor	for all parameters	
			9.0	1200	3,330	7.25	12.1	2	Clear, colorless, moderate chemical odor		
	10/07/04		Sample	1820					Cloudy, gray tint		

TABLE 1

SUMMARY OF MONITORING WELL DEVELOPMENT DATA
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO
OCTOBER 2004

Well I.D.	*Date Purged/ Sampled*	*Well Volume (Gallons)*	*Purged Volume (Gallons)*	*Time*	*Conductivity (ms/cm)*	*pH*	*Temperature (°C)*	*Turbidity (NTU)*	*Water Quality*	*Purge/Sampling Method*	*Comments*
MW-108	10/07/04	1.5	1.5	1058	1,370	7.02	14.7	557	Cloudy, brown	Waterra/SS bailer for all parameters	Well dry @ 4.5 gallons
			3.0	1059	1,490	6.60	14.0	252	Cloudy, brown		
			4.5	1101	1,740	6.50	13.5	475	Cloudy, brown		
	10/07/04		Sample	1500					Cloudy red/brown		
MW-109	10/04/04	1.0	1.0	1608	2,900	6.65	14.8	>1000	Cloudy, brown	Waterra/SS bailer for all parameters	Well dry @ 2.5 gallons
			2.0	1609	3,080	6.52	NM	>999	Cloudy, brown		
	10/04/04		Sample	1700					Cloudy, brown		
MW-110	10/04/04	1.1	1.1	1558	802	6.84	13.8	363	Cloudy, brown	Waterra/SS bailer for all parameters	Well dry @ 3.0 gallons
			2.2	1600	900	6.75	13.5	335	Cloudy, brown		
	10/04/04		Sample	1750					Clear, colorless		
MW-111	10/07/04	2.0	2.0	1225	3,330	6.90	13.2	180	Cloudy, brown	Waterra/SS bailer for all parameters	Good recharge
			4.0	1227	3,740	6.52	12.4	72	Cloudy, brown		
			6.0	1229	3,740	6.40	11.9	53	Slightly cloudy, brown		
	10/07/04		Sample	1630					Slightly cloudy, brown		
MW-113	10/07/04	1.4	1.4	1122	3,880	6.84	14.7	770	Cloudy, brown	Waterra/SS bailer for all parameters	Well dry @ 3.0 gallons
			2.8	1124	3,900	6.83	14.8	>999	Cloudy, brown		
	10/07/04		Sample	1840					Cloudy, brown		
MW-114	10/05/04	1.7	1.7	1025	2,750	6.48	12.1	>999	Cloudy, orange	Waterra/SS bailer for all parameters	Well dry @ 2.5 gallons
	10/05/04		Sample	1440					Cloudy, orange		
MW-115	10/05/04	3.5	3.5	0905	1,760	7.62	10.6	35	Clear, colorless	Waterra/SS bailer for all parameters	Good recharge
			7.0	0911	1,740	6.93	11.1	24	Clear, colorless		
			10.5	0916	1,710	6.77	11.0	37	Clear, colorless		
	10/05/04		Sample	1500					Clear, colorless		
MW-116	10/05/04	0.6	0.6	0817	5,780	7.13	10.7	10	Clear, colorless	SS bailer/SS bailer	Well dry @ 1.0 gallons
	10/05/04		Sample	1350					Cloudy, brown		
MW-117	10/05/04	2.6	2.6	0830	3,220	6.85	11.1	69	Clear, colorless	Waterra/SS bailer for all parameters	Good recharge
			5.2	0831	3,160	6.28	11.3	25	Clear, colorless		
			7.8	0834	3,170	6.21	11.3	13	Clear, colorless		
	10/05/04		Sample	1400					Clear, colorless		
MW-118	10/04/04	2.0	2.0	1529	3,260	6.22	12.3	92	Clear, colorless	Waterra/SS bailer for all parameters	Good recharge
			4.0	1531	3,110	6.20	11.9	60	Clear, colorless		
			6.0	1533	3,030	6.37	11.6	43	Clear, colorless		
	10/04/04		Sample	1800					Clear, colorless		

TABLE 1

SUMMARY OF MONITORING WELL DEVELOPMENT DATA
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO
OCTOBER 2004

Well I.D.	*Date Purged/ Sampled*	*Well Volume (Gallons)*	*Purged Volume (Gallons)*	*Time*	*Conductivity (ms/cm)*	*pH*	*Temperature (°C)*	*Turbidity (NTU)*	*Water Quality*	*Purge/Sampling Method*	*Comments*
MW-201	10/06/04	8.3	8.3	0850	4,150	7.05	11.7	50	Clear colorless	Waterra/SS bailer	Well dry @ 11.0 gallons
	10/06/04		Sample	1520					Clear colorless		
MW-202	10/06/04	3.5	3.5	1149	1,910	8.84	12.0	30	Clear colorless	Waterra/SS bailer	Good recharge
			7.0	1153	2,260	7.40	11.9	75	Clear colorless	for all parameters	
			10.5	1158	2,870	6.76	12.0	41	Clear colorless		
			14.0	1204	2,910	7.85	11.8	65	Clear colorless		
			17.5	1208	2,910	8.00	11.8	365	Cloudy, brown		
	10/06/04		Sample	1630					Slightly cloudy, brown		
MW-203	10/07/04	7.0	7.0	0947	3,540	8.42	12.2	15	Clear colorless	Waterra/SS bailer	Well dry @ 12.0 gallons
	10/07/04		Sample	1600					Clear colorless	for all parameters	
MW-204	10/05/04	5.5	5.5	1014	3,440	6.39	11.6	28	Clear colorless	Waterra/SS bailer for all parameters	Well dry @ 8.5 gallons
	10/05/04		Sample	1450					Clear colorless		
MW-205	10/05/04	5.3	5.3	0930	2,640	6.42	11.8	19	Clear colorless	Waterra/SS bailer	Good recharge
			10.6	0940	2,660	6.30	11.6	34	Clear colorless	for all parameters	
			15.9	0942	2,660	6.18	11.9	7	Clear colorless		
	10/05/04		Sample	1300					Cloudy brown		
MW-206	10/07/04	5.1	5.1	0801	3,080	8.58	10.0	47	Clear, colorless	Waterra/SS bailer	Well dry @ 6.0 gallons
	10/07/04		Sample	1700					Clear, colorless	for all parameters	
MW-207	10/07/04	5.9	5.9	1212	3,200	7.91	12.8	138	Cloudy brown	Grundfos/SS bailer	Well dry @ 13.0 gallons
			11.8	1213	3,350	7.55	12.1	>999	Cloudy brown		
	10/07/04		Sample	1710					Slightly cloudy brown	for all parameters	
MW-209	10/04/04	4.9	4.9	1615	3,570	6.30	12.7	950	Cloudy brown	Waterra/SS bailer	Well dry @ 9.0 gallons
	10/04/04		Sample	1710					Cloudy brown		
MW-219	10/07/04	6.7	6.7	0726	2,950	5.84	10.8	21	Clear colorless	Grundfos/SS bailer	Well dry @ 14.0 gallons
			13.4	0727	2,930	6.35	11.5	75	Clear colorless	for all parameters	
	10/07/04		Sample	1800					Clear colorless		
MW-220	10/05/04	4.9	4.9	0746	3,510	8.00	10.2	500	Cloudy brown	Waterra/SS bailer	Well dry @ 9.5 gallons
	10/05/04		Sample	1310					Cloudy brown	for all parameters	
MW-223	10/06/04	4.8	4.8	1230	2,470	6.44	12.3	120	Slightly cloudy, brown	Waterra/SS bailer	Well dry @ 17.0 gallons
			9.6	1235	2,520	6.79	11.6	75	Slightly cloudy, brown	for all parameters	
			14.4	1241	3,040	6.54	11.6	93	Slightly cloudy, brown		
	10/06/04		Sample	1430					Slightly cloudy, brown		

TABLE 1

SUMMARY OF MONITORING WELL DEVELOPMENT DATA
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO
OCTOBER 2004

Well I.D.	*Date Purged/ Sampled*	*Well Volume (Gallons)*	*Purged Volume (Gallons)*	*Time*	*Conductivity (ms/cm)*	*pH*	*Temperature (°C)*	*Turbidity (NTU)*	*Water Quality*	*Purge/Sampling Method*	*Comments*
MW-224	10/07/04	3.6	3.6	1114	3,140	6.98	12.4	419	Cloudy red/brown	Grundfos pump with	Well dry @ 11.0 gallons
			7.2	1115	3,070	6.96	12.7	>999	Cloudy red/brown	dedicated tubing/SS bailer	
			10.8	1117	3,210	6.96	12.2	>999	Cloudy red/brown	for all parameters	
	10/07/04		Sample	1850					Clear colorless		
MW-301	10/06/04	7.9	7.9	0928	3,540	7.05	11.9	60	Clear colorless	Grundfos pump with	Well dry @ 17.0 gallons
			15.8	0929	3,710	7.21	12.5	105	Slightly cloudy brown	dedicated tubing/SS bailer	
	10/06/04		Sample	1510					Clear colorless	for all parameters	
MW-302	10/06/04	8.1	8.1	1123	1,750	8.54	11.8	195	Cloudy, gray	Grundfos pump with	Well dry @ 12.0 gallons
	10/06/04		Sample	1500					Cloudy, brown	dedicated tubing/SS bailer	
										for all parameters	
MW-303	10/07/04	6.1	6.1	0946	2,410	8.35	11.7	28	Clear colorless	Waterra/SS bailer	
	10/07/04		Sample	1540					Clear colorless	for all parameters	Well dry @ 10.5 gallons
MW-304	10/05/04	8.8	8.8	1015	3,580	7.19	11.6	7	Clear colorless	Waterra/SS bailer	Good recharge
			17.6	1026	3,570	7.60	11.4	5	Clear colorless	for all parameters	
			26.4	1036	3,560	7.16	11.7	3	Clear colorless		
	10/05/04		Sample	1510					Clear colorless		
MW-305	10/05/04	5.8	5.8	0920	3,360	6.52	11.5	12	Clear colorless	Waterra/SS bailer	Good recharge
			11.6	0929	3,450	6.67	12.2	4	Clear colorless	for all parameters	
			17.4	0937	3,450	6.22	11.4	2	Clear colorless		
	10/05/04		Sample	1430					Clear colorless		
MW-306	10/07/04	9.4	9.4	0805	1,950	8.50	11.3	5	Clear colorless	Grundfos pump with	Good recharge
			18.8	0807	1,920	8.46	11.8	2	Clear colorless	dedicated tubing/SS bailer	
			28.2	0809	1,910	8.50	11.5	0	Clear colorless	for all parameters	
	10/07/04		Sample	1640					Clear colorless		
MW-307	10/07/04	7.7	7.7	1156	2,770	8.18	12.7	29	Clear colorless	Grundfos pump with	
	10/07/04		Sample	1830					Slighty cloudy gray	dedicated tubing/SS bailer	Well dry @ 11.0 gallons
										for all parameters	
MW-309	10/04/04	6.8	6.8	1619	2,780	7.48	11.6	135	Clear colorless	Waterra/SS bailer	
	10/04/04		Sample	1720					Clear colorless, fine brown sediments	for all parameters	Well dry @ 12.0 gallons
MW-319	10/07/04	9.0	9.0	0737	2,840	11.19	10.7	109	Cloudy dark gray	Grundfos pump with	
	10/07/04		Sample	1810					Clear colorless	dedicated tubing/SS bailer	Well dry @ 13.0 gallons
										for all parameters	

TABLE 1

SUMMARY OF MONITORING WELL DEVELOPMENT DATA
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO
OCTOBER 2004

Well I.D.	*Date Purged/ Sampled*	*Well Volume (Gallons)*	*Purged Volume (Gallons)*	*Time*	*Conductivity (ms/cm)*	*pH*	*Temperature (°C)*	*Turbidity (NTU)*	*Water Quality*	*Purge/Sampling Method*	*Comments*
MW-320	10/05/04	13.0	13.0	0751	1,720	7.97	10.7	71	Clear colorless	Waterra/SS bailer	Well dry @ 15.0 gallons
	10/05/04		Sample	1320					Cloudy, brown	for all parameters	
MW-321	10/07/04	7.1	7.1	1035	1,920	6.80	12.2	22	Clear colorless	Grundfos pump with	Well dry @ 10.0 gallons
	10/07/04		Sample	1520					Clear colorless	dedicated tubing/SS bailer for all parameters	
MW-322	10/05/04	8.4	8.0	0638	3,650	6.02	10.0	12	Clear colorless	Grundfos pump with	Well dry @ 8.0 gallons
	10/05/04		Sample	1520					Clear colorless	dedicated tubing/SS bailer for all parameters	
MW-323	10/05/04	8.8	8.8	1233	2,330	7.40	11.6	52	Clear colorless	Grundfos pump/SS bailer	
	10/05/04		Sample	1440					Clear colorless	for all parameters	Well dry @ 12.0 gallons
MW-324	10/05/04	11.5	12.0	0650	3,140	7.02	10.6	12	Clear colorless	Grundfos pump with	Well dry @ 12.0 gallons
	10/05/04		Sample	1530					Clear colorless	dedicated tubing/SS bailer for all parameters	
MW-401	10/07/04	71.1	71.1	0914	2,180	7.26	11.8	100	Clear colorless	Grundfos pump with	
	10/07/04		Sample	1530					Slightly cloudy, brown	dedicated tubing/SS bailer for all parameters	Well dry @ 96.0 gallons
MW-402	10/05/04	64.3	65.0	0726	2,190	8.21	10.6	68	Clear colorless	Grundfos pump with	
	10/05/04		Sample	1330					Clear colorless	dedicated tubing/SS bailer for all parameters	Well dry @ 65.0 gallons
MW-414	10/06/04	50.8	51.0	0825	2,540	7.98	10.1	101	Cloudy, black	Grundfos pump with	
	10/06/04		Sample	1540					Clear colorless	dedicated tubing/SS bailer for all parameters	Well dry @ 52.0 gallons
MW-415	10/05/04	36.2	36.2	0851	2,150	8.79	10.6	101	Cloudy, black	Grundfos pump with	
	10/05/04		Sample	1420					Cloudy, brown	dedicated tubing/SS bailer for all parameters	Well dry @ 36.0 gallons
MW-421	10/06/04	48.4	48.4	1042	2,540	8.62	12.5	36	Clear colorless	Grundfos pump with	
			96.8	1111	2,440	8.75	12.2	79	Clear colorless	dedicated tubing/SS bailer	
			145.2	1119	2,420	8.64	12.7	49	Clear colorless	for all parameters	Good recharge
	10/06/04		Sample	1640					Clear colorless		
MW-422	10/06/04	57.7	45.0	0952	4,010	8.90	13.7	81	Clear, colorless	Grundfos pump with	
	10/06/04		Sample	1530					Clear colorless	dedicated tubing/SS bailer for all parameters	Well dry @ 45.0 gallons

Notes:
SS Stainless Steel.

TABLE 2

SUMMARY OF MONITORING WELL REDEVELOPMENT GROUNDWATER SAMPLING
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO
OCTOBER 2004

Date	*Beginning Water Level*	*Time*	*Volume Purged*	*pH*
		MW-322 - One Well Volume 8.4 Gallons		
10/04/04	17.45	1501	10.5	6.10
10/05/04	26.74	0638	8.0	6.02
		MW-324 - One Well Volume 11.5 Gallons		
10/04/04	18.15	1514	16.0	6.50
10/05/04	31.05	0650	12.0	7.02

ATTACHMENT A

GW FB
TB

CHAIN OF CUSTODY RECORD

N79780

CONESTOGA-ROVERS & ASSOCIATES
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, N.Y. 14304 (716) 297-6150

SHIPPED TO (Laboratory Name): Accutest

REFERENCE NUMBER: 6029-50
Summit National
Annual GW Sampling

SAMPLER'S SIGNATURE: David Tyran
PRINTED NAME: David Tyran

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	VOCs w/HCL	Metals w/HNO3	CN w/NaOH	PCB	Pesticide	SVOC				REMARKS
-1	10/4/04	1700	WG-6029-1004-DJT-001	water	9	X	X	X	X	X	X				
-2		1710	WG-6029-1004-DJT-002		9	X	X	X	X	X	X				EX90
-3		1720	WG-6029-1004-DJT-003		9	X	X	X	X	X	X				2054
-4		1730	WG-6029-1004-DJT-004		9	X	X	X	X	X	X				HE16
-5		1740	WG-6029-1004-DJT-005		9	X	X	X	X	X	X				VC8
-6		1750	WG-6029-1004-DJT-006		9	X	X	X	X	X	X				
-7		1800	WG-6029-1004-DJT-007		9	X	X	X	X	X	X				
-8		1810	RB-6029-1004-DJT-008	lab water	9	X	X	X	X	X	X				
-9			TB-6029-1004-DJT		2	X									

TOTAL NUMBER OF CONTAINERS: 74

HEALTH/CHEMICAL HAZARDS:

RELINQUISHED BY: ① David Tyran	DATE: 10-5-04 TIME: 0800	RECEIVED BY: ① FedX	DATE: 10/5/04 TIME: 0800
RELINQUISHED BY: ② FedX	DATE: 10-6-04 TIME: 1000	RECEIVED BY: ② [signature]	DATE: 10-6-04 TIME: 1000
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:

METHOD OF SHIPMENT: Fed Ex

WAY BILL No. 839359276790

White –Fully Executed Copy
Yellow –Receiving Laboratory Copy
Pink –Shipper Copy
Goldenrod –Sampler Copy

SAMPLE TEAM: M. Witherspoon, D. Tyran

RECEIVED FOR LABORATORY BY:

DATE: TIME:

No N 3829

4.5 5.0 4.5

1001 (D) APR 28/97(NF) REV. 0 (F-15)

SW, FB, TB

CHAIN OF CUSTODY RECORD

Page 1 of 2

CONESTOGA-ROVERS & ASSOCIATES
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, N.Y. 14304 (716) 297-6150

SHIPPED TO (Laboratory Name): Accutest

REFERENCE NUMBER: 6029-50
Summit National
Annual GW Sampling

SAMPLER'S SIGNATURE: David Tyran PRINTED NAME: David Tyran

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	VOCs w/HCL	SVOCs	Pesticide	PCBs	CN w/NaOH	Metals w/HNO3				REMARKS N80039
1	10.5.04	1300	WG-6029-1004-DJT-009	Water	9	X	X	X	X	X	X				31 FLR, ME38, WC30
2		1310	WG-6029-1004-DJT-010		9	X	X	X	X	X	X				2091
3		1320	WG-6029-1004-DJT-011		9	X	X	X	X	X	X				2091
4		1330	WG-6029-1004-DJT-012		9	X	X	X	X	X	X				
5		1340	WG-6029-1004-DJT-013		9	X	X	X	X	X	X				
6		1350	WG-6029-1004-DJT-014		9	X	X	X	X	X	X				
7		1400	WG-6029-1004-DJT-015		9	X	X	X	X	X	X				
8		1410	RB 6029-1004-DJT-016	Lab Water	9	X	X	X	X	X	X				
9		1420	WG-6029-1004-DJT-017	Water	9	X	X	X	X	X	X				
10		1430	WG-6029-1004-DJT-018		9	X	X	X	X	X	X				
11		1440	WG-6029-1004-DJT-019		9	X	X	X	X	X	X				
12		1450	WG-6029-1004-DJT-020		9	X	X	X	X	X	X				
13		1500	WG-6029-1004-DJT-021		~~27~~ (24)	X	X	X	X	X	X				MS/MSD
14		1510	WG-6029-1004-DJT-022		9	X	X	X	X	X	X				
15		1520	WG-6029-1004-DJT-023		9	X	X	X	X	X	X				
16		1530	WG-6029-1004-DJT-024		9	X	X	X	X	X	X				
17			TB 6029-100504-DJT	Lab Water	2	X									

TOTAL NUMBER OF CONTAINERS — HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY: ① David Tyran	DATE: 10/6/04 TIME: 0800	RECEIVED BY: ① Fed X	DATE: 10/6/04 TIME: 0800
RELINQUISHED BY: ② Fed X	DATE: 10/7/04 TIME: 1000	RECEIVED BY: ② M Cathers	DATE: 10/7/04 TIME: 1000
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:

METHOD OF SHIPMENT: Fed Ex WAY BILL No. 8461 5892 8959

White –Fully Executed Copy
Yellow –Receiving Laboratory Copy
Pink –Shipper Copy
Goldenrod –Sampler Copy

SAMPLE TEAM: M. Witherspoon, D. Tyran

RECEIVED FOR LABORATORY BY: DATE: TIME: No N 3830

1001 (D) APR 28/97(NF) REV. 0 (F 15)

1R

TRS 10/7/04 2 vials, Mat 3 TRS 10/7/04 3.0, 3.5, 4.0, 4.4, 3.6, 4.2, 3.7, 4.1, 3.3

SED, TD

CHAIN OF CUSTODY RECORD

Page 2 of 2

CONESTOGA-ROVERS & ASSOCIATES
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, N.Y. 14304 (716) 297-6150

SHIPPED TO (Laboratory Name): Accutest

REFERENCE NUMBER: 6029-50 Summit National Annual GW Sampling

SAMPLER'S SIGNATURE: David Tyran PRINTED NAME: David Tyran

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	VOCs	SVOCs	Pesticides	PCBs	TAL Metals	SSIPL VOCs	SSIPL Metals	REMARKS N80039
18	10/5/04	1700	SD-6029-1004-DJT-025	Sediment	6	X	X	X	X				MS/MSD
19		1715	SD-6029-1004-DJT-026	Sediment	3	X	X	X	X				
20		1720	SW-6029-1004-DJT-027	Δ water	24 (23)	X	X	X	X	X			MS/MSD
21		1730	SW-6029-1004-DJT-028	↓	8	X	X	X	X	X			
22		1800	FB-6029-1004-DJT-029	Lab Water	6 (5)	X	X	X	X	X			
23		1910	RW-6029-1004-DJT-030	water	12						X	X	MS/MSD
													31 FLR, 19CZ
													31 FLR, ME38, WC30, 2091
													ME38, 2091
			Total	Pg 1	164								
					223								

Δ rec'd 1 glass liter broken TRS 10/7/04

TOTAL NUMBER OF CONTAINERS 223

HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY: ① David Tyran	DATE: 10/6/04 TIME: 0800	RECEIVED BY: ① Fed Ex	DATE: 10/6/04 TIME: 0800
RELINQUISHED BY: ② Fed Ex	DATE: 10/7/04 TIME: 1000	RECEIVED BY: ② M Collins	DATE: 10/7/04 TIME: 1000
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:

METHOD OF SHIPMENT: Fed Ex WAY BILL No. 8461J 8929954

White –Fully Executed Copy
Yellow –Receiving Laboratory Copy
Pink –Shipper Copy
Goldenrod –Sampler Copy

SAMPLE TEAM: M. Witherspoon, D. Tyran

RECEIVED FOR LABORATORY BY:

DATE: TIME:

No N 3831

1001 (D) APR 28/97(NF) REV. 0 (F-15)

JR

[illegible] TRS 10/7/04

CHAIN OF CUSTODY RECORD

Pg 1 of 2

CONESTOGA-ROVERS & ASSOCIATES
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, N.Y. 14304 (716) 297-6150

SHIPPED TO (Laboratory Name): Accutest

REFERENCE NUMBER: 6029-50
Summit National
Annual GW Sampling

SAMPLER'S SIGNATURE: David Tyran PRINTED NAME: David Tyran

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	VOCs w/MeCl	SVOCs	Pesticide	PCBs	Metals	CN				REMARKS
-1	10/6/04	1430	WG-6029-1004-DJT-031	water	9	X	X	X	X	X	X				3/FIr
-2		1440	WG-6029-1004-DJT-032		9	X	X	X	X	X	X				2097
-3		1450	WG-6029-1004-DJT-033		9	X	X	X	X	X	X				WC24
-4		1500	WG-6029-1004-DJT-034		9	X	X	X	X	X	X				AMET6
-5		1510	WG-6029-1004-DJT-035		9	X	X	X	X	X	X				
-6		1520	WG-6029-1004-DJT-036		9	X	X	X	X	X	X				
-7		1530	RB-6029-1004-DJT-037	Lab Water	9	X	X	X	X	X	X				
-8		1540	WG-6029-1004-DJT-038	water	9	X	X	X	X	X	X				
-9		1530	WG-6029-1004-DJT-039		9	X	X	X	X	X	X				
-10		1600	WG-6029-1004-DJT-040		27	X	X	X	X	X	X				MS/MSD
-11		1610	WG-6029-1004-DJT-041		9	X	X	X	X	X	X				
-12		1620	WG-6029-1004-DJT-042		9	X	X	X	X	X	X				
-13		1630	WG-6029-1004-DJT-043		9	X	X	X	X	X	X				
-14		1640	WG-6029-1004-DJT-044		9	X	X	X	X	X	X				
-15			TB-6029-100604-DJT	Lab Water	2	X									

TOTAL NUMBER OF CONTAINERS

HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY: ① David Tyran	DATE: 10/7/04 TIME: 0800	RECEIVED BY: ① Fed X	DATE: 10/7/04 TIME: 0800
RELINQUISHED BY: ② Fed X	DATE: 10/8/04 TIME: 1000	RECEIVED BY: ②	DATE: 10/8/04 TIME: 1000
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:

METHOD OF SHIPMENT: Fed Ex WAY BILL No. 8461 5892 8937

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Yellow	–Receiving Laboratory Copy
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Goldenrod	–Sampler Copy

SAMPLE TEAM: M. Witherspoon, D. Tyran

RECEIVED FOR LABORATORY BY: DATE: TIME:

NO N 3832

ALL SAMPLES RECEIVED PRESERVED AS APPLICABLE

1001 (D) APR 28/97(NF) REV. 0 (F-15)

3326 7140 2439

CHAIN OF CUSTODY RECORD

Pg 2 of 2 N 80005 ~~N80064~~

CONESTOGA-ROVERS & ASSOCIATES
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, N.Y. 14304 (716) 297-6150

SHIPPED TO (Laboratory Name): Accutest

REFERENCE NUMBER: 6029-50
Summit National
Annual GW Sampling

SAMPLER'S SIGNATURE: David Tyran PRINTED NAME: David Tyran

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS SSIPL VOC	SSIPL Metals	REMARKS
-16	10.6.04	1820	RW·6029·1004·DJT·045	water	4	x	x	
-17	↓	1825	FB·6029·1004·DJT-046	Lab Water	4	x	x	
-18	↓	1840	RW 6029·1004·DJT-047	water	4	x	x	
-19	↓	1845	RW·6029·1004·DJT·048	"	4	x	x	
			Total pg 1		146			
			TOTAL NUMBER OF CONTAINERS		162	HEALTH/CHEMICAL HAZARDS		

RELINQUISHED BY: ① David Tyran	DATE: 10·6·04 TIME: 0800	RECEIVED BY: ① Fed X	DATE: 10/6/04 TIME: 0800
RELINQUISHED BY: ② Fed X	DATE: 10/8/04 TIME: 1000	RECEIVED BY: ②	DATE: 10/6/04 TIME: 10:00
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:

METHOD OF SHIPMENT: Fed Ex WAY BILL No. 846158928937

White –Fully Executed Copy
Yellow –Receiving Laboratory Copy
Pink –Shipper Copy
Goldenrod –Sampler Copy

SAMPLE TEAM: M. Witherspoon, D. Tyran

RECEIVED FOR LABORATORY BY: DATE: TIME: No N 3833

1001 (D) APR 28/97(NF) REV. 0 (F-15)

7A

CHAIN OF CUSTODY RECORD

Page 1 of 2

CONESTOGA-ROVERS & ASSOCIATES
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, N.Y. 14304 (716) 297-6150

SHIPPED TO (Laboratory Name): Accutest

REFERENCE NUMBER: 6029-50
Summit National N30267
Annual GW Sampling

SAMPLER'S SIGNATURE: David Tyran PRINTED NAME: David Tyran

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	VOCs w/HCl	SVOCs	Pesticide	PCBs	Metals w/HNO3	CN w/NaOH				REMARKS
-1	10·7·04	1500	WG·6029·1004·DJT·049	Water	9	X	X	X	X	X	X				Ex12
-2		1510	WG·6029·1004·DJT·050		9	X	X	X	X	X	X				
-3		1520	WG·6029·1004·DJT·051		9	X	X	X	X	X	X				
-4		1530	WG·6029·1004·DJT·052		9	X	X	X	X	X	X				
-5		1540	WG·6029·1004·DJT·053		9	X	X	X	X	X	X				
-6		1550	WG·6029·1004·DJT·054		9	X	X	X	X	X	X				Ex21
-7		1600	WG·6029·1004·DJT·055		9	X	X	X	X	X	X				
-8		1610	RB·6029·1004·DJT·056	Lab Water	8	X	X	X	X	X	X				
-9		1620	WG·6029·1004·DJT·057	Water	9	X	X	X	X	X	X				
-10		1630	WG·6029·1004·DJT·058		9	X	X	X	X	X	X				
-11		1640	WG·6029·1004·DJT·059		9	X	X	X	X	X	X				
-12		1650	WG·6029·1004·DJT·060		27	X	X	X	X	X	X				MS/MSD
-13		1700	WG·6029·1004·DJT·061		9	X	X	X	X	X	X				
-14		1710	WG·6029·1004·DJT·062		9	X	X	X	X	X	X				Ex16
-15		1720	WG·6029·1004·DJT·063		9	X	X	X	X	X	X				
-16		1730	WG·6029·1004·DJT·064		9	X	X	X	X	X	X				
-17		1740	RB·6029·1004·DJT·065	Lab Water	8	X	X	X	X	X	X				

TOTAL NUMBER OF CONTAINERS

HEALTH/CHEMICAL HAZARDS 2236, WC17, MC15

RELINQUISHED BY: ① David Tyran	DATE: 10·8·04 TIME: 0800	RECEIVED BY: ① FedEx	DATE: TIME:
RELINQUISHED BY: ② FedEx	DATE: 10/9/04 TIME: 1000	RECEIVED BY: ②	DATE: 10/9/04 TIME: 1000
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:

METHOD OF SHIPMENT: Fed Ex WAY BILL No. 846158928926

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SAMPLE TEAM: M. Witherspoon, D. Tyran

RECEIVED FOR LABORATORY BY: DATE: TIME:

NO N 3834

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CHAIN OF CUSTODY RECORD

Page 1 of 1

CONESTOGA-ROVERS & ASSOCIATES
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, N.Y. 14304 (716) 297-6150

SHIPPED TO (Laboratory Name): Accutest

REFERENCE NUMBER: 6029-50
Summit National N80248
Annual GW Sampling

SAMPLER'S SIGNATURE: David Tyran PRINTED NAME: David Tyran

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	VOCs w/HCL	SVOCs	Pesticide	PCBs	Metals w/HNO3	CN w/NaOH				REMARKS
15	10.7.04	1750	WG-6029-1004-DJT-066	water	9	x	x	x	x	x	x				Ex16
16		1800	WG-6029-1004-DJT-067		9	x	x	x	x	x	x				
17		1810	WG-6029-1004-DJT-068		9	x	x	x	x	x	x				
18		1820	WG-6029-1004-DJT-069		9	x	x	x	x	x	x				Ex24
22		1830	WG-6029-1004-DJT-070		9	x	x	x	x	x	x				
23		1840	WG-6029-1004-DJT-071		9	x	x	x	x	x	x				
24		1850	WG-6029-1004-DJT-072		9	x	x	x	x	x	x				
25			TB-6029-100704-DJT	Lab water	2	x									
			Total pg 1		169										
TOTAL NUMBER OF CONTAINERS					234	HEALTH/CHEMICAL HAZARDS									

RELINQUISHED BY: ① David Tyran	DATE: 10.8.04 TIME: 0800	RECEIVED BY: ① FedEx	DATE: TIME:
RELINQUISHED BY: ② FedEx	DATE: 10/8/04 TIME: 1000	RECEIVED BY: ② [signature]	DATE: 10/8/04 TIME: 1000
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:

METHOD OF SHIPMENT: Fed Ex WAY BILL No. 846158928926

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SAMPLE TEAM: M. Witherspoon, D. Tyran

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NO N 3835

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ATTACHMENT B

OCTOBER 2004 ANALYTICAL RESULTS

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-4*	*MW-11*	*MW-101*	*MW-102*	*MW-102*	*MW-103*	*MW-104*
Sample ID:		*WG-6029-1004-DJT-005*	*WG-6029-1004-DJT-057*	*WG-6029-1004-DJT-033*	*WG-6029-1004-DJT-041*	*WG-6029-1004-DJT-042*	*WG-6029-1004-DJT-040*	*WG-6029-1004-DJT-064*
Date Sampled:		*10/4/2004*	*10/7/2004*	*10/6/2004*	*10/6/2004*	*10/6/2004*	*10/6/2004*	*10/7/2004*
						Duplicate		
Parameters	***Units***							
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/L	ND (1.0)	54.3	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	ND (1.0)	73.7	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	ND (1.0)	1.1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (1.0)	1.8	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
2-Butanone (Methyl Ethyl Ketone)	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Hexanone	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ug/L	ND (1.0)	0.55 J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Bromomethane (Methyl Bromide)	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon disulfide	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon tetrachloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroform (Trichloromethane)	ug/L	ND (1.0)	0.66 J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloromethane (Methyl Chloride)	ug/L	ND (1.0)	0.71 J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	ND (1.0)	62.3	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Methylene chloride	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Styrene	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Tetrachloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Toluene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	ND (1.0)	2.0	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	ND (1.0)	186	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	ND (1.0)	2.2	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

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TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-4*	*MW-11*	*MW-101*	*MW-102*	*MW-102*	*MW-103*	*MW-104*
Sample ID:		*WG-6029-1004-DJT-005*	*WG-6029-1004-DJT-057*	*WG-6029-1004-DJT-033*	*WG-6029-1004-DJT-041*	*WG-6029-1004-DJT-042*	*WG-6029-1004-DJT-040*	*WG-6029-1004-DJT-064*
Date Sampled:		*10/4/2004*	*10/7/2004*	*10/6/2004*	*10/5/2004*	*10/6/2004*	*10/6/2004*	*10/7/2004*
						Duplicate		
Parameters	***Units***							
Acid Extractibles								
2,4,5-Trichlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0) UJ	ND (5.0)
2,4,6-Trichlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0) UJ	ND (5.0)
2,4-Dichlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0) UJ	ND (5.0)
2,4-Dimethylphenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0) UJ	ND (5.0)
2,4-Dinitrophenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (21)	ND (20) UJ	ND (20)
2-Chlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0) UJ	ND (5.0)
2-Methylphenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0) UJ	ND (5.0)
2-Nitrophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0) UJ	ND (5.0)
3&4-Methylphenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0) UJ	ND (5.0)
4,6-Dinitro-2-methylphenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (21)	ND (20) UJ	ND (20)
4-Chloro-3-methylphenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0) UJ	ND (5.0)
4-Nitrophenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (21)	ND (20) UJ	ND (20)
Pentachlorophenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (21)	ND (20) UJ	ND (20)
Phenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0) UJ	ND (5.0)
Base/Neutral Etractibles								
1,2,4-Trichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
1,2-Dichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
1,3-Dichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
1,4-Dichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
2,4-Dinitrotoluene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
2,6-Dinitrotoluene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
2-Chloronaphthalene	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0) UJ	ND (5.0)
2-Methylnaphthalene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
2-Nitroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0) UJ	ND (5.0)
3,3'-Dichlorobenzidine	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0) UJ	ND (5.0)
3-Nitroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0) UJ	ND (5.0)
4-Bromophenyl phenyl ether	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
4-Chloroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0) UJ	ND (5.0)
4-Chlorophenyl phenyl ether	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
4-Nitroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0) UJ	ND (5.0)

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TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-4*	*MW-11*	*MW-101*	*MW-102*	*MW-102*	*MW-103*	*MW-104*
Sample ID:		*WG-6029-1004-DJT-005*	*WG-6029-1004-DJT-057*	*WG-6029-1004-DJT-033*	*WG-6029-1004-DJT-041*	*WG-6029-1004-DJT-042*	*WG-6029-1004-DJT-040*	*WG-6029-1004-DJT-064*
Date Sampled:		*10/4/2004*	*10/7/2004*	*10/6/2004*	*10/6/2004*	*10/6/2004*	*10/6/2004*	*10/7/2004*
						Duplicate		
Parameters	***Units***							
Base/Neutral Etractibles (cont'd)								
Acenaphthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Acenaphthylene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Anthracene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Benzo(a)anthracene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Benzo(a)pyrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Benzo(b)fluoranthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Benzo(g,h,i)perylene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Benzo(k)fluoranthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
bis(2-Chloroethoxy)methane	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
bis(2-Chloroethyl)ether	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
bis(2-Ethylhexyl)phthalate	ug/L	2.1	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Butyl benzylphthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Carbazole	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Chrysene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Dibenz(a,h)anthracene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Dibenzofuran	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0) UJ	ND (5.0)
Diethyl phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Dimethyl phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Di-n-butylphthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Di-n-octyl phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Fluoranthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Fluorene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Hexachlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Hexachlorobutadiene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Hexachlorocyclopentadiene	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (21)	ND (20) UJ	ND (20)
Hexachloroethane	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0) UJ	ND (5.0)
Indeno(1,2,3-cd)pyrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Isophorone	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Naphthalene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Nitrobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
N-Nitrosodi-n-propylamine	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
N-Nitrosodiphenylamine	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0) UJ	ND (5.0)
Phenanthrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)
Pyrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0) UJ	ND (2.0)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-4*	*MW-11*	*MW-101*	*MW-102*	*MW-102*	*MW-103*	*MW-104*
Sample ID:		*WG-6029-1004-DJT-005*	*WG-6029-1004-DJT-057*	*WG-6029-1004-DJT-033*	*WG-6029-1004-DJT-041*	*WG-6029-1004-DJT-042*	*WG-6029-1004-DJT-040*	*WG-6029-1004-DJT-064*
Date Sampled:		*10/4/2004*	*10/7/2004*	*10/6/2004*	*10/5/2004*	*10/5/2004*	*10/4/2004*	*10/7/2004*
						Duplicate		
Parameters	***Units***							
Pesticides								
4,4'-DDD	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
4,4'-DDE	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
4,4'-DDT	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Aldrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
alpha-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
alpha-Chlordane	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
beta-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
delta-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Dieldrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan I	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan II	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan sulfate	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin aldehyde	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin ketone	ug/L	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.051)
gamma-BHC (Lindane)	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
gamma-Chlordane	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Heptachlor	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Heptachlor epoxide	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Methoxychlor	ug/L	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.051)
Toxaphene	ug/L	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.26)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-4*	*MW-11*	*MW-101*	*MW-102*	*MW-102*	*MW-103*	*MW-104*
Sample ID:		*WG-6029-1004-DJT-005*	*WG-6029-1004-DJT-057*	*WG-6029-1004-DJT-033*	*WG-6029-1004-DJT-041*	*WG-6029-1004-DJT-042*	*WG-6029-1004-DJT-040*	*WG-6029-1004-DJT-064*
Date Sampled:		*10/4/2004*	*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/5/2004*	*10/5/2004*	*10/7/2004*
						Duplicate		
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.51)
Aroclor-1221 (PCB-1221)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.51)
Aroclor-1232 (PCB-1232)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.51)
Aroclor-1242 (PCB-1242)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.51)
Aroclor-1248 (PCB-1248)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.51)
Aroclor-1254 (PCB-1254)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.51)
Aroclor-1260 (PCB-1260)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.51)
Inorganic Compounds								
Aluminum	ug/L	509	407	874	2020	2150	2100	2440
Antimony	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Arsenic	ug/L	ND (5.0)	ND (5.0)	11.7	8.3	10.4	31.1	6.4
Barium	ug/L	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)
Beryllium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Cadmium	ug/L	ND (1.0)	ND (1.0)	1.5	1.8	2.0	ND (1.0)	ND (1.0)
Calcium	ug/L	365000	350000	338000	190000	204000	316000	151000
Chromium Total	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	13.1	ND (10)	23.8
Cobalt	ug/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Copper	ug/L	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)
Cyanide (total)	ug/L	ND (10)	R	ND (10)	ND (10)	ND (10)	ND (10)	R
Iron	ug/L	6910	23200	61900	73900	85000	25600	16000
Lead	ug/L	5.3	8.0	8.6	ND (3.0)	4.5	4.8	8.3
Magnesium	ug/L	212000	86400	159000	89200	94900	80900	41400
Manganese	ug/L	571	2870	4820	1390	1480	4030	1550
Mercury	ug/L	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Nickel	ug/L	ND (20)	ND (20)	64.1	65.6	76.5	ND (20)	ND (20)
Potassium	ug/L	6740	7370	7570 J	7180 J	7600 J	ND (5000)	ND (5000)
Selenium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Silver	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Sodium	ug/L	15300	61700	38900	47000	49400	42100	193000
Thallium	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Vanadium	ug/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Zinc	ug/L	29.3	23.0	166	216	233	23.9	82.9

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-105*	*MW-106*	*MW-107*	*MW-108*	*MW-109*	*MW-110*	*MW-111*
Sample ID:		*WG-6029-1004-DJT-066*	*WG-6029-1004-DJT-060*	*WG-6029-1004-DJT-069*	*WG-6029-1004-DJT-049*	*WG-6029-1004-DJT-001*	*WG-6029-1004-DJT-006*	*WG-6029-1004-DJT-058*
Date Sampled:		*10/7/2004*	*10/7/2004*	*10/7/2004*	*10/7/2004*	*10/4/2004*	*10/4/2004*	*10/7/2004*
Parameters	*Units*							
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/L	ND (1.0)	1.5	195	3.0	ND (1.0)	ND (1.0)	5.6
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (1.0)	ND (50)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (50)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	ND (1.0)	1.0	1200	50.7	ND (1.0)	ND (1.0)	47.1
1,1-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (50)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	265	59.4	ND (1.0)	ND (1.0)	144
1,2-Dichloropropane	ug/L	ND (1.0)	ND (1.0)	ND (50)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
2-Butanone (Methyl Ethyl Ketone)	ug/L	ND (10)	ND (10)	ND (500)	ND (10)	ND (10)	ND (10)	ND (10)
2-Hexanone	ug/L	ND (5.0)	ND (5.0) UJ	ND (250)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	ND (5.0)	ND (5.0)	ND (250)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	ND (10)	ND (10)	ND (500)	5.4 J	ND (10)	ND (10)	ND (10)
Benzene	ug/L	ND (1.0)	ND (1.0)	76.2	10.7	ND (1.0)	ND (1.0)	0.34 J
Bromodichloromethane	ug/L	ND (1.0)	ND (1.0)	ND (50)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ND (4.0)	ND (4.0)	ND (200)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Bromomethane (Methyl Bromide)	ug/L	ND (2.0)	ND (2.0)	ND (100)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon disulfide	ug/L	ND (2.0)	ND (2.0)	ND (100)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon tetrachloride	ug/L	ND (1.0)	ND (1.0)	ND (50)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	ND (1.0)	ND (1.0)	53.4	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroethane	ug/L	ND (1.0)	ND (1.0)	ND (50)	ND (1.0)	ND (1.0)	ND (1.0)	1.6
Chloroform (Trichloromethane)	ug/L	ND (1.0)	ND (1.0)	ND (50)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloromethane (Methyl Chloride)	ug/L	ND (1.0)	ND (1.0)	ND (50)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	281	52.8	ND (1.0)	ND (1.0)	8.2
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (50)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (50)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	ND (1.0)	ND (1.0)	830	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Methylene chloride	ug/L	ND (2.0)	ND (2.0)	57.3 J	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Styrene	ug/L	ND (5.0)	ND (5.0)	ND (250)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Tetrachloroethene	ug/L	ND (1.0)	ND (1.0)	ND (50)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Toluene	ug/L	ND (1.0)	ND (1.0)	8710	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (50)	2.0	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (50)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (50)	10.8	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	ND (1.0)	ND (1.0)	ND (50)	5.5	ND (1.0)	ND (1.0)	8.6
Xylene (total)	ug/L	ND (1.0)	ND (1.0)	2760	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-105*	*MW-106*	*MW-107*	*MW-108*	*MW-109*	*MW-110*	*MW-111*
Sample ID:		*WG-6029-1004-DJT-066*	*WG-6029-1004-DJT-060*	*WG-6029-1004-DJT-069*	*WG-6029-1004-DJT-049*	*WG-6029-1004-DJT-001*	*WG-6029-1004-DJT-006*	*WG-6029-1004-DJT-058*
Date Sampled:		*10/7/2004*	*10/7/2004*	*10/7/2004*	*10/7/2004*	*10/4/2004*	*10/4/2004*	*10/7/2004*
Parameters	***Units***							
Acid Extractibles								
2,4,5-Trichlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2,4,6-Trichlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2,4-Dichlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2,4-Dimethylphenol	ug/L	ND (5.0)	ND (5.0)	21.4	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2,4-Dinitrophenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Chlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2-Methylphenol	ug/L	ND (5.0)	ND (5.0)	36.2	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2-Nitrophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
3&4-Methylphenol	ug/L	ND (5.0)	ND (5.0)	75.3	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4,6-Dinitro-2-methylphenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4-Chloro-3-methylphenol	ug/L	ND (5.0)	ND (5.0)	8.4	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Nitrophenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Pentachlorophenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Phenol	ug/L	ND (5.0)	ND (5.0)	45.4	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Base/Neutral Etractibles								
1,2,4-Trichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,2-Dichlorobenzene	ug/L	ND (2.0)	ND (2.0)	2.0	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,3-Dichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,4-Dichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2,4-Dinitrotoluene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2,6-Dinitrotoluene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2-Chloronaphthalene	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2-Methylnaphthalene	ug/L	ND (2.0)	ND (2.0)	2.5	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2-Nitroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
3,3'-Dichlorobenzidine	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
3-Nitroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Bromophenyl phenyl ether	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
4-Chloroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Chlorophenyl phenyl ether	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
4-Nitroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-105*	*MW-106*	*MW-107*	*MW-108*	*MW-109*	*MW-110*	*MW-111*
Sample ID:		*WG-6029-1004-DJT-066*	*WG-6029-1004-DJT-060*	*WG-6029-1004-DJT-069*	*WG-6029-1004-DJT-049*	*WG-6029-1004-DJT-001*	*WG-6029-1004-DJT-006*	*WG-6029-1004-DJT-058*
Date Sampled:		*10/7/2004*	*10/7/2004*	*10/7/2004*	*10/7/2004*	*10/4/2004*	*10/4/2004*	*10/7/2004*
Parameters	***Units***							
Base/Neutral Extractibles (cont'd)								
Acenaphthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Acenaphthylene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Anthracene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(a)anthracene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(a)pyrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(b)fluoranthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(g,h,i)perylene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(k)fluoranthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
bis(2-Chloroethoxy)methane	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
bis(2-Chloroethyl)ether	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
bis(2-Ethylhexyl)phthalate	ug/L	1.9 J	6.1	2.3	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Butyl benzylphthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbazole	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Chrysene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Dibenz(a,h)anthracene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Dibenzofuran	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Diethyl phthalate	ug/L	ND (2.0)	ND (2.0)	4.4	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Dimethyl phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Di-n-butylphthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Di-n-octyl phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Fluoranthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Fluorene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Hexachlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Hexachlorobutadiene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Hexachlorocyclopentadiene	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Hexachloroethane	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Indeno(1,2,3-cd)pyrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Isophorone	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Naphthalene	ug/L	ND (2.0)	ND (2.0)	10.7	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Nitrobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
N-Nitrosodi-n-propylamine	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
N-Nitrosodiphenylamine	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Phenanthrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Pyrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-105*	*MW-106*	*MW-107*	*MW-108*	*MW-109*	*MW-110*	*MW-111*
Sample ID:		*WG-6029-1004-DJT-066*	*WG-6029-1004-DJT-060*	*WG-6029-1004-DJT-069*	*WG-6029-1004-DJT-049*	*WG-6029-1004-DJT-001*	*WG-6029-1004-DJT-006*	*WG-6029-1004-DJT-058*
Date Sampled:		*10/7/2004*	*10/7/2004*	*10/7/2004*	*10/7/2004*	*10/4/2004*	*10/4/2004*	*10/7/2004*
Parameters	***Units***							
Pesticides								
4,4'-DDD	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
4,4'-DDE	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
4,4'-DDT	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Aldrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
alpha-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
alpha-Chlordane	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
beta-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
delta-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020) UJ	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Dieldrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan I	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan II	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan sulfate	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin aldehyde	ug/L	ND (0.020)	ND (0.020)	ND (0.020) UJ	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin ketone	ug/L	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)
gamma-BHC (Lindane)	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
gamma-Chlordane	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Heptachlor	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Heptachlor epoxide	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Methoxychlor	ug/L	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)
Toxaphene	ug/L	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-105*	*MW-106*	*MW-107*	*MW-108*	*MW-109*	*MW-110*	*MW-111*
Sample ID:		*WG-6029-1004-DJT-066*	*WG-6029-1004-DJT-060*	*WG-6029-1004-DJT-069*	*WG-6029-1004-DJT-049*	*WG-6029-1004-DJT-001*	*WG-6029-1004-DJT-006*	*WG-6029-1004-DJT-058*
Date Sampled:		*10/7/2004*	*10/7/2004*	*10/7/2004*	*10/7/2004*	*10/4/2004*	*10/4/2004*	*10/7/2004*
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1221 (PCB-1221)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1232 (PCB-1232)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1242 (PCB-1242)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1248 (PCB-1248)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1254 (PCB-1254)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1260 (PCB-1260)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Inorganic Compounds								
Aluminum	ug/L	2670	323	419	1260	12300	1290	507
Antimony	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Arsenic	ug/L	45.2	ND (5.0)	46.3	13.9	ND (5.0)	ND (5.0)	22.1
Barium	ug/L	ND (200)	ND (200)	516	ND (200)	ND (200)	ND (200)	ND (200)
Beryllium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Cadmium	ug/L	4.0	2.2	ND (1.0)	ND (1.0)	2.3	ND (1.0)	4.3
Calcium	ug/L	411000	359000	284000	209000	402000	98400	539000
Chromium Total	ug/L	16.8	ND (10)	48.7	12.3	28.2	ND (10)	46.3
Cobalt	ug/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Copper	ug/L	27.8	ND (25)	ND (25)	ND (25)	45.0	ND (25)	ND (25)
Cyanide (total)	ug/L	R	R	R	R	ND (10)	ND (10)	R
Iron	ug/L	198000	184000	2690	47300	36600	2390	214000
Lead	ug/L	7.2	ND (3.0)	4.9	3.6	13.9	ND (3.0)	ND (3.0)
Magnesium	ug/L	165000	138000	136000	57600	202000	28500	166000
Manganese	ug/L	6160	6340	894	2580	3600	199	4660
Mercury	ug/L	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Nickel	ug/L	29.9	29.4	40.2	ND (20)	72.1	ND (20)	40.9
Potassium	ug/L	7870	10100	13100	5760	6740	ND (50000)	9650
Selenium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Silver	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Sodium	ug/L	63100	48500	246000	108000	12000	ND (50000)	128000
Thallium	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Vanadium	ug/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Zinc	ug/L	148	54.7	ND (20)	56.3	2430	ND (20)	46.0

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-113*	*MW-114*	*MW-115*	*MW-116*	*MW-117*	*MW-118*	*MW-201*
Sample ID:		*WG-6029-1004-DJT-071*	*WG-6029-1004-DJT-019*	*WG-6029-1004-DJT-021*	*WG-6029-1004-DJT-014*	*WG-6029-1004-DJT-015*	*WG-6029-1004-DJT-007*	*WG-6029-1004-DJT-036*
Date Sampled:		*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/5/2004*	*10/5/2004*	*10/4/2004*	*10/6/2004*
Parameters	*Units*							
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichlorethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	1.3	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	2.3	ND (1.0)
1,2-Dichloropropane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
2-Butanone (Methyl Ethyl Ketone)	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Hexanone	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Bromomethane (Methyl Bromide)	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon disulfide	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon tetrachloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroform (Trichloromethane)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloromethane (Methyl Chloride)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	3.6	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Methylene chloride	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Styrene	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Tetrachloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Toluene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-113*	*MW-114*	*MW-115*	*MW-116*	*MW-117*	*MW-118*	*MW-201*
Sample ID:		*WG-6029-1004-DJT-071*	*WG-6029-1004-DJT-019*	*WG-6029-1004-DJT-021*	*WG-6029-1004-DJT-014*	*WG-6029-1004-DJT-015*	*WG-6029-1004-DJT-007*	*WG-6029-1004-DJT-036*
Date Sampled:		*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/5/2004*	*10/5/2004*	*10/4/2004*	*10/6/2004*
Parameters	***Units***							
Acid Extractibles								
2,4,5-Trichlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)
2,4,6-Trichlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)
2,4-Dichlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)
2,4-Dimethylphenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)
2,4-Dinitrophenol	ug/L	ND (20)	ND (20)	ND (20)	ND (21)	ND (20)	ND (20)	ND (20)
2-Chlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)
2-Methylphenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)
2-Nitrophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)
3&4-Methylphenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)
4,6-Dinitro-2-methylphenol	ug/L	ND (20)	ND (20)	ND (20)	ND (21)	ND (20)	ND (20)	ND (20)
4-Chloro-3-methylphenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)
4-Nitrophenol	ug/L	ND (20)	ND (20)	ND (20)	ND (21)	ND (20)	ND (20)	ND (20)
Pentachlorophenol	ug/L	ND (20)	ND (20)	ND (20)	ND (21)	ND (20)	ND (20)	ND (20)
Phenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)
Base/Neutral Etractibles								
1,2,4-Trichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
1,2-Dichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
1,3-Dichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
1,4-Dichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
2,4-Dinitrotoluene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
2,6-Dinitrotoluene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
2-Chloronaphthalene	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)
2-Methylnaphthalene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
2-Nitroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)
3,3'-Dichlorobenzidine	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)
3-Nitroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)
4-Bromophenyl phenyl ether	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
4-Chloroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)
4-Chlorophenyl phenyl ether	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
4-Nitroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)

Table B.1
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TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-113*	*MW-114*	*MW-115*	*MW-116*	*MW-117*	*MW-118*	*MW-201*
Sample ID:		*WG-6029-1004-DJT-071*	*WG-6029-1004-DJT-019*	*WG-6029-1004-DJT-021*	*WG-6029-1004-DJT-014*	*WG-6029-1004-DJT-015*	*WG-6029-1004-DJT-007*	*WG-6029-1004-DJT-036*
Date Sampled:		*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/5/2004*	*10/5/2004*	*10/4/2004*	*10/6/2004*
Parameters	***Units***							
Base/Neutral Etractibles (cont'd)								
Acenaphthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Acenaphthylene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Anthracene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(a)anthracene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(a)pyrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(b)fluoranthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(g,h,i)perylene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(k)fluoranthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
bis(2-Chloroethoxy)methane	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
bis(2-Chloroethyl)ether	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
bis(2-Ethylhexyl)phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	1.5 J	ND (2.0)
Butyl benzylphthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Carbazole	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Chrysene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Dibenz(a,h)anthracene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Dibenzofuran	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)
Diethyl phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Dimethyl phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Di-n-butylphthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Di-n-octyl phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Fluoranthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Fluorene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Hexachlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Hexachlorobutadiene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Hexachlorocyclopentadiene	ug/L	ND (20)	ND (20)	ND (20)	ND (21)	ND (20)	ND (20)	ND (20)
Hexachloroethane	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)
Indeno(1,2,3-cd)pyrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Isophorone	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Naphthalene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Nitrobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
N-Nitrosodi-n-propylamine	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
N-Nitrosodiphenylamine	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)
Phenanthrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)
Pyrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)

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TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-113*	*MW-114*	*MW-115*	*MW-116*	*MW-117*	*MW-118*	*MW-201*
Sample ID:		*WG-6029-1004-DJT-071*	*WG-6029-1004-DJT-019*	*WG-6029-1004-DJT-021*	*WG-6029-1004-DJT-014*	*WG-6029-1004-DJT-015*	*WG-6029-1004-DJT-007*	*WG-6029-1004-DJT-036*
Date Sampled:		*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/5/2004*	*10/5/2004*	*10/4/2004*	*10/5/2004*
Parameters	*Units*							
Pesticides								
4,4'-DDD	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
4,4'-DDE	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
4,4'-DDT	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Aldrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
alpha-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
alpha-Chlordane	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
beta-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
delta-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Dieldrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan I	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan II	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan sulfate	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin aldehyde	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin ketone	ug/L	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)
gamma-BHC (Lindane)	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
gamma-Chlordane	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Heptachlor	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Heptachlor epoxide	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Methoxychlor	ug/L	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)
Toxaphene	ug/L	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)

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October 2004

Location:		*MW-113*	*MW-114*	*MW-115*	*MW-116*	*MW-117*	*MW-118*	*MW-201*
Sample ID:		*WG-6029-1004-DJT-071*	*WG-6029-1004-DJT-019*	*WG-6029-1004-DJT-021*	*WG-6029-1004-DJT-014*	*WG-6029-1004-DJT-015*	*WG-6029-1004-DJT-007*	*WG-6029-1004-DJT-036*
Date Sampled:		*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/5/2004*	*10/5/2004*	*10/4/2004*	*10/6/2004*
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1221 (PCB-1221)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1232 (PCB-1232)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1242 (PCB-1242)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1248 (PCB-1248)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1254 (PCB-1254)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1260 (PCB-1260)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Inorganic Compounds								
Aluminum	ug/L	49200	3630	207	5180	ND (200)	461	ND (200)
Antimony	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Arsenic	ug/L	32.1	171	ND (5.0)	8.9	5.1	ND (5.0)	ND (5.0)
Barium	ug/L	396	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)
Beryllium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Cadmium	ug/L	ND (1.0)	4.0	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Calcium	ug/L	504000	453000	227000	511000	554000	376000	115000
Chromium Total	ug/L	88.9	ND (10)	12.5	27.8	ND (10)	18.2	13.3
Cobalt	ug/L	61.5	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Copper	ug/L	80.8	ND (25)	ND (25)	28.5	ND (25)	ND (25)	ND (25)
Cyanide (total)	ug/L	R	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Iron	ug/L	87200	198000	11400	13000	31500	19100	2880
Lead	ug/L	108	ND (3.0)	ND (3.0)	10.9	ND (3.0)	ND (3.0)	ND (3.0)
Magnesium	ug/L	225000	26600	69200	600000	161000	136000	52900
Manganese	ug/L	9270	1670	1790	3740	5380	4190	100
Mercury	ug/L	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Nickel	ug/L	123	49.4	ND (20)	ND (20)	46.1	ND (20)	ND (20)
Potassium	ug/L	24300	27000	6200	16800	15000	7410	13500 J
Selenium	ug/L	ND (5.0)	5.9	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Silver	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Sodium	ug/L	207000	129000	51800	223000	60800	75800	732000
Thallium	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Vanadium	ug/L	89.5	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Zinc	ug/L	278	240	ND (20)	106	81.4	ND (20)	ND (20)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-202*	*MW-203*	*MW-204*	*MW-205*	*MW-206*	*MW-207*	*MW-207*
Sample ID:		*WG-6029-1004-DJT-043*	*WG-6029-1004-DJT-055*	*WG-6029-1004-DJT-020*	*WG-6029-1004-DJT-009*	*WG-6029-1004-DJT-061*	*WG-6029-1004-DJT-062*	*WG-6029-1004-DJT-063*
Date Sampled:		*10/5/2004*	*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/7/2004*	*10/7/2004*	*10/7/2004*
								Duplicate
Parameters	***Units***							
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
2-Butanone (Methyl Ethyl Ketone)	ug/L	ND (10) UJ	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Hexanone	ug/L	ND (5.0) UJ	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	ND (10) UJ	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Bromomethane (Methyl Bromide)	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon disulfide	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon tetrachloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroform (Trichloromethane)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloromethane (Methyl Chloride)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.56 J	0.57 J
Methylene chloride	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Styrene	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Tetrachloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Toluene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	6.7	6.2
trans-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1.6	1.5

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-202*	*MW-203*	*MW-204*	*MW-205*	*MW-206*	*MW-207*	*MW-207*
Sample ID:		*WG-6029-1004-DJT-043*	*WG-6029-1004-DJT-055*	*WG-6029-1004-DJT-020*	*WG-6029-1004-DJT-009*	*WG-6029-1004-DJT-061*	*WG-6029-1004-DJT-062*	*WG-6029-1004-DJT-063*
Date Sampled:		*10/6/2004*	*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/7/2004*	*10/7/2004*	*10/7/2004*
								Duplicate
Parameters	***Units***							
Acid Extractibles								
2,4,5-Trichlorophenol	ug/L	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2,4,6-Trichlorophenol	ug/L	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2,4-Dichlorophenol	ug/L	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2,4-Dimethylphenol	ug/L	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2,4-Dinitrophenol	ug/L	ND (20)	ND (21)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Chlorophenol	ug/L	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2-Methylphenol	ug/L	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2-Nitrophenol	ug/L	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
3&4-Methylphenol	ug/L	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4,6-Dinitro-2-methylphenol	ug/L	ND (20)	ND (21)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4-Chloro-3-methylphenol	ug/L	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Nitrophenol	ug/L	ND (20)	ND (21)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Pentachlorophenol	ug/L	ND (20)	ND (21)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Phenol	ug/L	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Base/Neutral Etractibles								
1,2,4-Trichlorobenzene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,2-Dichlorobenzene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,3-Dichlorobenzene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,4-Dichlorobenzene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2,4-Dinitrotoluene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2,6-Dinitrotoluene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2-Chloronaphthalene	ug/L	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2-Methylnaphthalene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2-Nitroaniline	ug/L	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
3,3'-Dichlorobenzidine	ug/L	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
3-Nitroaniline	ug/L	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Bromophenyl phenyl ether	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
4-Chloroaniline	ug/L	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Chlorophenyl phenyl ether	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
4-Nitroaniline	ug/L	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-202*	*MW-203*	*MW-204*	*MW-205*	*MW-206*	*MW-207*	*MW-207*
Sample ID:		*WG-6029-1004-DJT-043*	*WG-6029-1004-DJT-055*	*WG-6029-1004-DJT-020*	*WG-6029-1004-DJT-009*	*WG-6029-1004-DJT-061*	*WG-6029-1004-DJT-062*	*WG-6029-1004-DJT-063*
Date Sampled:		*10/6/2004*	*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/7/2004*	*10/7/2004*	*10/7/2004*
								Duplicate
Parameters	***Units***							
Base/Neutral Etractibles (cont'd)								
Acenaphthene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Acenaphthylene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Anthracene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(a)anthracene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(a)pyrene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(b)fluoranthene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(g,h,i)perylene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(k)fluoranthene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
bis(2-Chloroethoxy)methane	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
bis(2-Chloroethyl)ether	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
bis(2-Ethylhexyl)phthalate	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	2.3	2.5
Butyl benzylphthalate	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbazole	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Chrysene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Dibenz(a,h)anthracene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Dibenzofuran	ug/L	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Diethyl phthalate	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Dimethyl phthalate	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Di-n-butylphthalate	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Di-n-octyl phthalate	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Fluoranthene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Fluorene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Hexachlorobenzene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Hexachlorobutadiene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Hexachlorocyclopentadiene	ug/L	ND (20)	ND (21)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Hexachloroethane	ug/L	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Indeno(1,2,3-cd)pyrene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Isophorone	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Naphthalene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Nitrobenzene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
N-Nitrosodi-n-propylamine	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
N-Nitrosodiphenylamine	ug/L	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Phenanthrene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Pyrene	ug/L	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-202*	*MW-203*	*MW-204*	*MW-205*	*MW-206*	*MW-207*	*MW-207*
Sample ID:		*WG-6029-1004-DJT-043*	*WG-6029-1004-DJT-055*	*WG-6029-1004-DJT-020*	*WG-6029-1004-DJT-009*	*WG-6029-1004-DJT-061*	*WG-6029-1004-DJT-062*	*WG-6029-1004-DJT-063*
Date Sampled:		*10/6/2004*	*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/7/2004*	*10/7/2004*	*10/7/2004*
								Duplicate
Parameters	***Units***							
Pesticides								
4,4'-DDD	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
4,4'-DDE	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
4,4'-DDT	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
Aldrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
alpha-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
alpha-Chlordane	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
beta-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
delta-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
Dieldrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
Endosulfan I	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
Endosulfan II	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
Endosulfan sulfate	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
Endrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
Endrin aldehyde	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
Endrin ketone	ug/L	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.052)	ND (0.050)	ND (0.050)
gamma-BHC (Lindane)	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
gamma-Chlordane	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
Heptachlor	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
Heptachlor epoxide	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
Methoxychlor	ug/L	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.052)	ND (0.050)	ND (0.050)
Toxaphene	ug/L	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.26)	ND (0.25)	ND (0.25)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-202*	*MW-203*	*MW-204*	*MW-205*	*MW-206*	*MW-207*	*MW-207*
Sample ID:		*WG-6029-1004-DJT-043*	*WG-6029-1004-DJT-055*	*WG-6029-1004-DJT-020*	*WG-6029-1004-DJT-009*	*WG-6029-1004-DJT-061*	*WG-6029-1004-DJT-062*	*WG-6029-1004-DJT-063*
Date Sampled:		*10/6/2004*	*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/7/2004*	*10/7/2004*	*10/7/2004*
								Duplicate
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1221 (PCB-1221)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1232 (PCB-1232)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1242 (PCB-1242)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1248 (PCB-1248)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1254 (PCB-1254)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1260 (PCB-1260)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Inorganic Compounds								
Aluminum	ug/L	480	ND (200)	476	ND (200)	3480	271	292
Antimony	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Arsenic	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	11.4	ND (5.0)	ND (5.0)	ND (5.0)
Barium	ug/L	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)
Beryllium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Cadmium	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	1.4	ND (1.0)	ND (1.0)	ND (1.0)
Calcium	ug/L	16900	8620	293000	353000	27700	394000	400000
Chromium Total	ug/L	71.4	14.7	12.0	11.1	22.0	ND (10)	ND (10)
Cobalt	ug/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Copper	ug/L	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	98.2
Cyanide (total)	ug/L	ND (10)	R	ND (10)	ND (10)	R	R	R
Iron	ug/L	1990	308	3790	88200	14000	38400	38900
Lead	ug/L	ND (3.0)	ND (3.0)	3.2	3.2	6.1	5.0 J	11.1 J
Magnesium	ug/L	7600	ND (5000)	117000	93500	10600	143000	145000
Manganese	ug/L	47.9	ND (15)	364	4140	447	1920	1930
Mercury	ug/L	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Nickel	ug/L	44.6	ND (20)	ND (20)	21.4	20.6	ND (20)	ND (20)
Potassium	ug/L	9180 J	6180	16500	9650	8000	15900	16200
Selenium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Silver	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Sodium	ug/L	612000	736000	323000	89400	578000	159000	161000
Thallium	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Vanadium	ug/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Zinc	ug/L	ND (20)	ND (20)	ND (20)	101	71.4	32.0 J	210 J

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
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Location:		*MW-209*	*MW-219*	*MW-220*	*MW-223*	*MW-224*	*MW-301*	*MW-302*
Sample ID:		*WG-6029-1004-DJT-002*	*WG-6029-1004-DJT-067*	*WG-6029-1004-DJT-010*	*WG-6029-1004-DJT-031*	*WG-6029-1004-DJT-072*	*WG-6029-1004-DJT-035*	*WG-6029-1004-DJT-034*
Date Sampled:		*10/4/2004*	*10/7/2004*	*10/5/2004*	*10/6/2004*	*10/7/2004*	*10/6/2004*	*10/6/2004*
Parameters	***Units***							
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	2.1	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	4.6	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
2-Butanone (Methyl Ethyl Ketone)	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Hexanone	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	3.2 J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Bromomethane (Methyl Bromide)	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon disulfide	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon tetrachloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroform (Trichloromethane)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloromethane (Methyl Chloride)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	2.5	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Methylene chloride	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Styrene	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Tetrachloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Toluene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-209*	*MW-219*	*MW-220*	*MW-223*	*MW-224*	*MW-301*	*MW-302*
Sample ID:		*WG-6029-1004-DJT-002*	*WG-6029-1004-DJT-067*	*WG-6029-1004-DJT-010*	*WG-6029-1004-DJT-031*	*WG-6029-1004-DJT-072*	*WG-6029-1004-DJT-035*	*WG-6029-1004-DJT-034*
Date Sampled:		*10/4/2004*	*10/7/2004*	*10/5/2004*	*10/6/2004*	*10/7/2004*	*10/6/2004*	*10/6/2004*
Parameters	***Units***							
Acid Extractibles								
2,4,5-Trichlorophenol	ug/L	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2,4,6-Trichlorophenol	ug/L	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2,4-Dichlorophenol	ug/L	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2,4-Dimethylphenol	ug/L	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2,4-Dinitrophenol	ug/L	ND (21)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Chlorophenol	ug/L	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2-Methylphenol	ug/L	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2-Nitrophenol	ug/L	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
3&4-Methylphenol	ug/L	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4,6-Dinitro-2-methylphenol	ug/L	ND (21)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4-Chloro-3-methylphenol	ug/L	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Nitrophenol	ug/L	ND (21)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Pentachlorophenol	ug/L	ND (21)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Phenol	ug/L	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Base/Neutral Etractibles								
1,2,4-Trichlorobenzene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,2-Dichlorobenzene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,3-Dichlorobenzene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,4-Dichlorobenzene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2,4-Dinitrotoluene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2,6-Dinitrotoluene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2-Chloronaphthalene	ug/L	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2-Methylnaphthalene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2-Nitroaniline	ug/L	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
3,3'-Dichlorobenzidine	ug/L	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
3-Nitroaniline	ug/L	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Bromophenyl phenyl ether	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
4-Chloroaniline	ug/L	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Chlorophenyl phenyl ether	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
4-Nitroaniline	ug/L	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)

Table B.1
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Deerfeild Township of Portage County, Ohio
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Location:		*MW-209*	*MW-219*	*MW-220*	*MW-223*	*MW-224*	*MW-301*	*MW-302*
Sample ID:		*WG-6029-1004-DJT-002*	*WG-6029-1004-DJT-067*	*WG-6029-1004-DJT-010*	*WG-6029-1004-DJT-031*	*WG-6029-1004-DJT-072*	*WG-6029-1004-DJT-035*	*WG-6029-1004-DJT-034*
Date Sampled:		*10/4/2004*	*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/7/2004*	*10/5/2004*	*10/5/2004*
Parameters	***Units***							
Base/Neutral Etractibles (cont'd)								
Acenaphthene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Acenaphthylene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Anthracene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(a)anthracene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(a)pyrene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(b)fluoranthene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(g,h,i)perylene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(k)fluoranthene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
bis(2-Chloroethoxy)methane	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
bis(2-Chloroethyl)ether	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
bis(2-Ethylhexyl)phthalate	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Butyl benzylphthalate	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbazole	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Chrysene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Dibenz(a,h)anthracene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Dibenzofuran	ug/L	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Diethyl phthalate	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Dimethyl phthalate	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Di-n-butylphthalate	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Di-n-octyl phthalate	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Fluoranthene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Fluorene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Hexachlorobenzene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Hexachlorobutadiene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Hexachlorocyclopentadiene	ug/L	ND (21)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Hexachloroethane	ug/L	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Indeno(1,2,3-cd)pyrene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Isophorone	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Naphthalene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Nitrobenzene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
N-Nitrosodi-n-propylamine	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
N-Nitrosodiphenylamine	ug/L	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Phenanthrene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Pyrene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-209*	*MW-219*	*MW-220*	*MW-223*	*MW-224*	*MW-301*	*MW-302*
Sample ID:		*WG-6029-1004-DJT-002*	*WG-6029-1004-DJT-067*	*WG-6029-1004-DJT-010*	*WG-6029-1004-DJT-031*	*WG-6029-1004-DJT-072*	*WG-6029-1004-DJT-035*	*WG-6029-1004-DJT-034*
Date Sampled:		*10/4/2004*	*10/7/2004*	*10/5/2004*	*10/6/2004*	*10/7/2004*	*10/6/2004*	*10/6/2004*
Parameters	***Units***							
Pesticides								
4,4'-DDD	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
4,4'-DDE	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
4,4'-DDT	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Aldrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
alpha-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
alpha-Chlordane	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
beta-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
delta-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Dieldrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan I	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan II	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan sulfate	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin aldehyde	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin ketone	ug/L	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)
gamma-BHC (Lindane)	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
gamma-Chlordane	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Heptachlor	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Heptachlor epoxide	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Methoxychlor	ug/L	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)
Toxaphene	ug/L	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-209*	*MW-219*	*MW-220*	*MW-223*	*MW-224*	*MW-301*	*MW-302*
Sample ID:		*WG-6029-1004-DJT-002*	*WG-6029-1004-DJT-067*	*WG-6029-1004-DJT-010*	*WG-6029-1004-DJT-031*	*WG-6029-1004-DJT-072*	*WG-6029-1004-DJT-035*	*WG-6029-1004-DJT-034*
Date Sampled:		*10/4/2004*	*10/7/2004*	*10/5/2004*	*10/6/2004*	*10/7/2004*	*10/6/2004*	*10/6/2004*
Parameters	*Units*							
PCBs								
Aroclor-1016 (PCB-1016)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1221 (PCB-1221)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1232 (PCB-1232)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1242 (PCB-1242)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1248 (PCB-1248)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1254 (PCB-1254)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1260 (PCB-1260)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Inorganic Compounds								
Aluminum	ug/L	5830	ND (200)	1270	ND (200)	512	425	7130
Antimony	ug/L	ND (5.0)	5.4	ND (5.0)	ND (5.0)	ND (5.0)	13.0	ND (5.0)
Arsenic	ug/L	6.8	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	7.6	ND (5.0)
Barium	ug/L	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)
Beryllium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Cadmium	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	2.5	ND (1.0)	ND (1.0)	ND (1.0)
Calcium	ug/L	287000	9260	249000	394000	143000	26700	ND (5000)
Chromium Total	ug/L	24.8	13.5	ND (10)	ND (10)	ND (10)	42.3	53.0
Cobalt	ug/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Copper	ug/L	33.1	ND (25)	ND (25)	ND (25)	ND (25)	28.7	44.6
Cyanide (total)	ug/L	ND (10)	R	ND (10)	ND (10)	R	ND (10)	ND (10)
Iron	ug/L	54300	797	3630	122000	3930	2130	9540
Lead	ug/L	12.0	13.3	5.4	ND (3.0)	3.8	4.5	6.6
Magnesium	ug/L	134000	ND (5000)	39100	125000	53000	10500	ND (5000)
Manganese	ug/L	3550	19.9	74.7	5220	242	127	225
Mercury	ug/L	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Nickel	ug/L	20.0	ND (20)	ND (20)	ND (20)	ND (20)	33.4	39.6
Potassium	ug/L	15800	5340	19000	16000 J	13800	8350 J	5350 J
Selenium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Silver	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Sodium	ug/L	176000	612000	358000	156000	383000	678000	342000
Thallium	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Vanadium	ug/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Zinc	ug/L	51.0	ND (20)	66.1	ND (20)	36.4	47.0	35.9

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-303*	*MW-303*	*MW-304*	*MW-305*	*MW-306*	*MW-307*	*MW-309*
Sample ID:		*WG-6029-1004-DJT-053*	*WG-6029-1004-DJT-054*	*WG-6029-1004-DJT-022*	*WG-6029-1004-DJT-018*	*WG-6029-1004-DJT-059*	*WG-6029-1004-DJT-070*	*WG-6029-1004-DJT-003*
Date Sampled:		*10/7/2004*	*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/7/2004*	*10/7/2004*	*10/4/2004*
			Duplicate					
Parameters	***Units***							
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
2-Butanone (Methyl Ethyl Ketone)	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Hexanone	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Bromomethane (Methyl Bromide)	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon disulfide	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon tetrachloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroform (Trichloromethane)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloromethane (Methyl Chloride)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Methylene chloride	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Styrene	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Tetrachloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Toluene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

Table B.1
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TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-303*	*MW-303*	*MW-304*	*MW-305*	*MW-306*	*MW-307*	*MW-309*
Sample ID:		*WG-6029-1004-DJT-053*	*WG-6029-1004-DJT-054*	*WG-6029-1004-DJT-022*	*WG-6029-1004-DJT-018*	*WG-6029-1004-DJT-059*	*WG-6029-1004-DJT-070*	*WG-6029-1004-DJT-003*
Date Sampled:		*10/7/2004*	*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/7/2004*	*10/7/2004*	*10/4/2004*
			Duplicate					
Parameters	***Units***							
Acid Extractibles								
2,4,5-Trichlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
2,4,6-Trichlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
2,4-Dichlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
2,4-Dimethylphenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
2,4-Dinitrophenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (21)
2-Chlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
2-Methylphenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
2-Nitrophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
3&4-Methylphenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
4,6-Dinitro-2-methylphenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (21)
4-Chloro-3-methylphenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
4-Nitrophenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (21)
Pentachlorophenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (21)
Phenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
Base/Neutral Etractibles								
1,2,4-Trichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
1,2-Dichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
1,3-Dichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
1,4-Dichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
2,4-Dinitrotoluene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
2,6-Dinitrotoluene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
2-Chloronaphthalene	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
2-Methylnaphthalene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
2-Nitroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
3,3'-Dichlorobenzidine	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
3-Nitroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
4-Bromophenyl phenyl ether	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
4-Chloroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
4-Chlorophenyl phenyl ether	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
4-Nitroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-303*	*MW-303*	*MW-304*	*MW-305*	*MW-306*	*MW-307*	*MW-309*
Sample ID:		*WG-6029-1004-DJT-053*	*WG-6029-1004-DJT-054*	*WG-6029-1004-DJT-022*	*WG-6029-1004-DJT-018*	*WG-6029-1004-DJT-059*	*WG-6029-1004-DJT-070*	*WG-6029-1004-DJT-003*
Date Sampled:		*10/7/2004*	*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/7/2004*	*10/7/2004*	*10/4/2004*
			Duplicate					
Parameters	***Units***							
Base/Neutral Extractibles (cont'd)								
Acenaphthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Acenaphthylene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Anthracene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Benzo(a)anthracene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Benzo(a)pyrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Benzo(b)fluoranthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Benzo(g,h,i)perylene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Benzo(k)fluoranthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
bis(2-Chloroethoxy)methane	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
bis(2-Chloroethyl)ether	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
bis(2-Ethylhexyl)phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	2.2	ND (2.0)	ND (2.1)
Butyl benzylphthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Carbazole	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Chrysene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Dibenz(a,h)anthracene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Dibenzofuran	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
Diethyl phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Dimethyl phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Di-n-butylphthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Di-n-octyl phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Fluoranthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Fluorene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Hexachlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Hexachlorobutadiene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Hexachlorocyclopentadiene	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (21)
Hexachloroethane	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
Indeno(1,2,3-cd)pyrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Isophorone	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Naphthalene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Nitrobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
N-Nitrosodi-n-propylamine	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
N-Nitrosodiphenylamine	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
Phenanthrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Pyrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-303*	*MW-303*	*MW-304*	*MW-305*	*MW-306*	*MW-307*	*MW-309*
Sample ID:		*WG-6029-1004-DJT-053*	*WG-6029-1004-DJT-054*	*WG-6029-1004-DJT-022*	*WG-6029-1004-DJT-018*	*WG-6029-1004-DJT-059*	*WG-6029-1004-DJT-070*	*WG-6029-1004-DJT-003*
Date Sampled:		*10/7/2004*	*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/7/2004*	*10/7/2004*	*10/4/2004*
			Duplicate					
Parameters	***Units***							
Pesticides								
4,4'-DDD	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	0.18	ND (0.021)
4,4'-DDE	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)
4,4'-DDT	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	0.26	ND (0.021)
Aldrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)
alpha-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	0.20
alpha-Chlordane	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)
beta-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)
delta-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)
Dieldrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)
Endosulfan I	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	0.29
Endosulfan II	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	0.12
Endosulfan sulfate	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	0.097
Endrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)
Endrin aldehyde	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)
Endrin ketone	ug/L	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.053)
gamma-BHC (Lindane)	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	0.024
gamma-Chlordane	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)
Heptachlor	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)
Heptachlor epoxide	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)
Methoxychlor	ug/L	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.053)
Toxaphene	ug/L	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.26)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-303*	*MW-303*	*MW-304*	*MW-305*	*MW-306*	*MW-307*	*MW-309*
Sample ID:		*WG-6029-1004-DJT-053*	*WG-6029-1004-DJT-054*	*WG-6029-1004-DJT-022*	*WG-6029-1004-DJT-018*	*WG-6029-1004-DJT-059*	*WG-6029-1004-DJT-070*	*WG-6029-1004-DJT-003*
Date Sampled:		*10/7/2004*	*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/7/2004*	*10/7/2004*	*10/4/2004*
			Duplicate					
Parameters	*Units*							
PCBs								
Aroclor-1016 (PCB-1016)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.53)
Aroclor-1221 (PCB-1221)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.53)
Aroclor-1232 (PCB-1232)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.53)
Aroclor-1242 (PCB-1242)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.53)
Aroclor-1248 (PCB-1248)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.53)
Aroclor-1254 (PCB-1254)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.53)
Aroclor-1260 (PCB-1260)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.53)
Inorganic Compounds								
Aluminum	ug/L	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	3480	ND (200)
Antimony	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Arsenic	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Barium	ug/L	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)
Beryllium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Cadmium	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Calcium	ug/L	26600	29500	57300	451000	ND (5000)	ND (5000)	5700
Chromium Total	ug/L	33.0 J	18.2 J	153	232	259	22.8	116
Cobalt	ug/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Copper	ug/L	183	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	30.4
Cyanide (total)	ug/L	R	R	ND (10)	ND (10)	R	R	ND (10)
Iron	ug/L	609 J	258 J	792	19600	1570	3710	1010
Lead	ug/L	10.1	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	6.3	ND (3.0)
Magnesium	ug/L	11400	12700	31000	137000	ND (5000)	ND (5000)	ND (5000)
Manganese	ug/L	36.0	30.1	22.0	2520	20.4	57.7	18.3
Mercury	ug/L	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Nickel	ug/L	21.6	ND (20)	56.7	96.2	81.8	20.8	45.6
Potassium	ug/L	7890	8670	10200	11900	ND (5000)	5720	ND (5000)
Selenium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Silver	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Sodium	ug/L	686000	760000	626000	235000	446000	503000	503000
Thallium	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Vanadium	ug/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Zinc	ug/L	162	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-309*	*MW-319*	*MW-320*	*MW-321*	*MW-322*	*MW-323*	*MW-324*
Sample ID:		*WG-6029-1004-DJT-004*	*WG-6029-1004-DJT-068*	*WG-6029-1004-DJT-011*	*WG-6029-1004-DJT-051*	*WG-6029-1004-DJT-023*	*WG-6029-1004-DJT-032*	*WG-6029-1004-DJT-024*
Date Sampled:		*10/4/2004*	*10/7/2004*	*10/5/2004*	*10/7/2004*	*10/5/2004*	*10/6/2004*	*10/5/2004*
		Duplicate						
Parameters	***Units***							
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	2.3	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
2-Butanone (Methyl Ethyl Ketone)	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Hexanone	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Bromomethane (Methyl Bromide)	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon disulfide	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon tetrachloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroform (Trichloromethane)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloromethane (Methyl Chloride)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Methylene chloride	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Styrene	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Tetrachloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Toluene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-309*	*MW-319*	*MW-320*	*MW-321*	*MW-322*	*MW-323*	*MW-324*
Sample ID:		*WG-6029-1004-DJT-004*	*WG-6029-1004-DJT-068*	*WG-6029-1004-DJT-011*	*WG-6029-1004-DJT-051*	*WG-6029-1004-DJT-023*	*WG-6029-1004-DJT-032*	*WG-6029-1004-DJT-024*
Date Sampled:		*10/4/2004*	*10/7/2004*	*10/5/2004*	*10/7/2004*	*10/5/2004*	*10/6/2004*	*10/5/2004*
		Duplicate						
Parameters	***Units***							
Acid Extractibles								
2,4,5-Trichlorophenol	ug/L	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2,4,6-Trichlorophenol	ug/L	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2,4-Dichlorophenol	ug/L	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2,4-Dimethylphenol	ug/L	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2,4-Dinitrophenol	ug/L	ND (21)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Chlorophenol	ug/L	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2-Methylphenol	ug/L	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2-Nitrophenol	ug/L	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
3&4-Methylphenol	ug/L	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4,6-Dinitro-2-methylphenol	ug/L	ND (21)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4-Chloro-3-methylphenol	ug/L	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Nitrophenol	ug/L	ND (21)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Pentachlorophenol	ug/L	ND (21)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Phenol	ug/L	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Base/Neutral Etractibles								
1,2,4-Trichlorobenzene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,2-Dichlorobenzene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,3-Dichlorobenzene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,4-Dichlorobenzene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2,4-Dinitrotoluene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2,6-Dinitrotoluene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2-Chloronaphthalene	ug/L	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2-Methylnaphthalene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2-Nitroaniline	ug/L	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
3,3'-Dichlorobenzidine	ug/L	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
3-Nitroaniline	ug/L	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Bromophenyl phenyl ether	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
4-Chloroaniline	ug/L	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Chlorophenyl phenyl ether	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
4-Nitroaniline	ug/L	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-309*	*MW-319*	*MW-320*	*MW-321*	*MW-322*	*MW-323*	*MW-324*
Sample ID:		*WG-6029-1004-DJT-004*	*WG-6029-1004-DJT-068*	*WG-6029-1004-DJT-011*	*WG-6029-1004-DJT-051*	*WG-6029-1004-DJT-023*	*WG-6029-1004-DJT-032*	*WG-6029-1004-DJT-024*
Date Sampled:		*10/4/2004*	*10/7/2004*	*10/5/2004*	*10/7/2004*	*10/5/2004*	*10/6/2004*	*10/5/2004*
		Duplicate						
Parameters	***Units***							
Base/Neutral Extractibles (cont'd)								
Acenaphthene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Acenaphthylene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Anthracene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(a)anthracene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(a)pyrene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(b)fluoranthene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(g,h,i)perylene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(k)fluoranthene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
bis(2-Chloroethoxy)methane	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
bis(2-Chloroethyl)ether	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
bis(2-Ethylhexyl)phthalate	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	0.99 J	ND (2.0)	ND (2.0)
Butyl benzylphthalate	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbazole	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Chrysene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Dibenz(a,h)anthracene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Dibenzofuran	ug/L	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Diethyl phthalate	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Dimethyl phthalate	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Di-n-butylphthalate	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Di-n-octyl phthalate	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Fluoranthene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Fluorene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Hexachlorobenzene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Hexachlorobutadiene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Hexachlorocyclopentadiene	ug/L	ND (21)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Hexachloroethane	ug/L	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Indeno(1,2,3-cd)pyrene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Isophorone	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Naphthalene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Nitrobenzene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
N-Nitrosodi-n-propylamine	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
N-Nitrosodiphenylamine	ug/L	ND (5.2)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Phenanthrene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Pyrene	ug/L	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)

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TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-309*	*MW-319*	*MW-320*	*MW-321*	*MW-322*	*MW-323*	*MW-324*
Sample ID:		*WG-6029-1004-DJT-004*	*WG-6029-1004-DJT-068*	*WG-6029-1004-DJT-011*	*WG-6029-1004-DJT-051*	*WG-6029-1004-DJT-023*	*WG-6029-1004-DJT-032*	*WG-6029-1004-DJT-024*
Date Sampled:		*10/4/2004*	*10/7/2004*	*10/5/2004*	*10/7/2004*	*10/5/2004*	*10/6/2004*	*10/5/2004*
		Duplicate						
Parameters	***Units***							
Pesticides								
4,4'-DDD	ug/L	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
4,4'-DDE	ug/L	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
4,4'-DDT	ug/L	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Aldrin	ug/L	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
alpha-BHC	ug/L	0.15	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
alpha-Chlordane	ug/L	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
beta-BHC	ug/L	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
delta-BHC	ug/L	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Dieldrin	ug/L	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan I	ug/L	0.22	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan II	ug/L	0.096	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan sulfate	ug/L	0.070	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin	ug/L	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin aldehyde	ug/L	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin ketone	ug/L	ND (0.053)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)
gamma-BHC (Lindane)	ug/L	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
gamma-Chlordane	ug/L	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Heptachlor	ug/L	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Heptachlor epoxide	ug/L	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Methoxychlor	ug/L	ND (0.053)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)
Toxaphene	ug/L	ND (0.26)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)

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October 2004

Location:		*MW-309*	*MW-319*	*MW-320*	*MW-321*	*MW-322*	*MW-323*	*MW-324*
Sample ID:		*WG-6029-1004-DJT-004*	*WG-6029-1004-DJT-068*	*WG-6029-1004-DJT-011*	*WG-6029-1004-DJT-051*	*WG-6029-1004-DJT-023*	*WG-6029-1004-DJT-032*	*WG-6029-1004-DJT-024*
Date Sampled:		*10/4/2004*	*10/7/2004*	*10/5/2004*	*10/7/2004*	*10/5/2004*	*10/6/2004*	*10/5/2004*
		Duplicate						
Parameters	*Units*							
PCBs								
Aroclor-1016 (PCB-1016)	ug/L	ND (0.53)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1221 (PCB-1221)	ug/L	ND (0.53)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1232 (PCB-1232)	ug/L	ND (0.53)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1242 (PCB-1242)	ug/L	ND (0.53)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1248 (PCB-1248)	ug/L	ND (0.53)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1254 (PCB-1254)	ug/L	ND (0.53)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1260 (PCB-1260)	ug/L	ND (0.53)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Inorganic Compounds								
Aluminum	ug/L	ND (200)	ND (200)	ND (200)	474	ND (200)	ND (200)	ND (200)
Antimony	ug/L	ND (5.0)	ND (5.0)	5.9	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Arsenic	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	5.8	ND (5.0)
Barium	ug/L	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)
Beryllium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Cadmium	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Calcium	ug/L	5500	13000	ND (5000)	8980	90900	ND (5000)	180000
Chromium Total	ug/L	141	ND (10)	ND (10)	27.3	ND (10)	ND (10)	ND (10)
Cobalt	ug/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Copper	ug/L	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)
Cyanide (total)	ug/L	ND (10)	R	ND (10)	R	ND (10)	ND (10)	ND (10)
Iron	ug/L	1180	151	552	1550	ND (100)	406	ND (100)
Lead	ug/L	ND (3.0)	ND (3.0)	ND (3.0)	8.2	ND (3.0)	ND (3.0)	ND (3.0)
Magnesium	ug/L	ND (5000)	ND (5000)	ND (5000)	ND (5000)	43300	ND (5000)	ND (5000)
Manganese	ug/L	20.5	ND (15)	ND (15)	38.4	67.2	ND (15)	ND (15)
Mercury	ug/L	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Nickel	ug/L	53.8	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Potassium	ug/L	ND (5000)	5990	ND (5000)	ND (5000)	12500	ND (5000)	13300
Selenium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Silver	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Sodium	ug/L	494000	605000	386000	505000	595000	457000	449000
Thallium	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Vanadium	ug/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Zinc	ug/L	ND (20)	ND (20)	ND (20)	94.2	ND (20)	ND (20)	ND (20)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-401*	*MW-402*	*MW-402*	*MW-414*	*MW-415*	*MW-421*	*MW-422*
Sample ID:		*WG-6029-1004-DJT-052*	*WG-6029-1004-DJT-012*	*WG-6029-1004-DJT-013*	*WG-6029-1004-DJT-038*	*WG-6029-1004-DJT-017*	*WG-6029-1004-DJT-044*	*WG-6029-1004-DJT-039*
Date Sampled:		*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/6/2004*	*10/5/2004*	*10/6/2004*	*10/6/2004*
				Duplicate				
Parameters	***Units***							
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
2-Butanone (Methyl Ethyl Ketone)	ug/L	ND (10)	ND (10)	ND (10)	ND (10) UJ	ND (10)	ND (10) UJ	ND (10) UJ
2-Hexanone	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0) UJ	ND (5.0)	ND (5.0) UJ	ND (5.0) UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	ND (10)	ND (10)	ND (10)	ND (10) UJ	ND (10)	ND (10) UJ	ND (10) UJ
Benzene	ug/L	ND (1.0)	ND (1.0)	0.31 J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Bromomethane (Methyl Bromide)	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon disulfide	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	0.81 J
Carbon tetrachloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroform (Trichloromethane)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloromethane (Methyl Chloride)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Methylene chloride	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Styrene	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Tetrachloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Toluene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

Table B.1
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TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-401*	*MW-402*	*MW-402*	*MW-414*	*MW-415*	*MW-421*	*MW-422*
Sample ID:		*WG-6029-1004-DJT-052*	*WG-6029-1004-DJT-012*	*WG-6029-1004-DJT-013*	*WG-6029-1004-DJT-038*	*WG-6029-1004-DJT-017*	*WG-6029-1004-DJT-044*	*WG-6029-1004-DJT-039*
Date Sampled:		*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/6/2004*	*10/5/2004*	*10/6/2004*	*10/6/2004*
				Duplicate				
Parameters	***Units***							
Acid Extractibles								
2,4,5-Trichlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2,4,6-Trichlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2,4-Dichlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2,4-Dimethylphenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2,4-Dinitrophenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Chlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2-Methylphenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2-Nitrophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
3&4-Methylphenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4,6-Dinitro-2-methylphenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4-Chloro-3-methylphenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Nitrophenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Pentachlorophenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Phenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Base/Neutral Extractibles								
1,2,4-Trichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,2-Dichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,3-Dichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,4-Dichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2,4-Dinitrotoluene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2,6-Dinitrotoluene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2-Chloronaphthalene	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2-Methylnaphthalene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2-Nitroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
3,3'-Dichlorobenzidine	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
3-Nitroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Bromophenyl phenyl ether	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
4-Chloroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Chlorophenyl phenyl ether	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
4-Nitroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)

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TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-401*	*MW-402*	*MW-402*	*MW-414*	*MW-415*	*MW-421*	*MW-422*
Sample ID:		*WG-6029-1004-DJT-052*	*WG-6029-1004-DJT-012*	*WG-6029-1004-DJT-013*	*WG-6029-1004-DJT-038*	*WG-6029-1004-DJT-017*	*WG-6029-1004-DJT-044*	*WG-6029-1004-DJT-039*
Date Sampled:		*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/6/2004*	*10/5/2004*	*10/6/2004*	*10/6/2004*
				Duplicate				
Parameters	***Units***							
Base/Neutral Etractibles (cont'd)								
Acenaphthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Acenaphthylene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Anthracene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(a)anthracene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(a)pyrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(b)fluoranthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(g,h,i)perylene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzo(k)fluoranthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
bis(2-Chloroethoxy)methane	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
bis(2-Chloroethyl)ether	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
bis(2-Ethylhexyl)phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Butyl benzylphthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbazole	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Chrysene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Dibenz(a,h)anthracene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Dibenzofuran	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Diethyl phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Dimethyl phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Di-n-butylphthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Di-n-octyl phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Fluoranthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Fluorene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Hexachlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Hexachlorobutadiene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Hexachlorocyclopentadiene	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Hexachloroethane	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Indeno(1,2,3-cd)pyrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Isophorone	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Naphthalene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Nitrobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
N-Nitrosodi-n-propylamine	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
N-Nitrosodiphenylamine	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Phenanthrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Pyrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-401*	*MW-402*	*MW-402*	*MW-414*	*MW-415*	*MW-421*	*MW-422*
Sample ID:		*WG-6029-1004-DJT-052*	*WG-6029-1004-DJT-012*	*WG-6029-1004-DJT-013*	*WG-6029-1004-DJT-038*	*WG-6029-1004-DJT-017*	*WG-6029-1004-DJT-044*	*WG-6029-1004-DJT-039*
Date Sampled:		*10/7/2004*	*10/5/2004*	*10/5/2004*	*10/6/2004*	*10/5/2004*	*10/6/2004*	*10/6/2004*
				Duplicate				
Parameters	***Units***							
Pesticides								
4,4'-DDD	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
4,4'-DDE	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
4,4'-DDT	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Aldrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
alpha-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
alpha-Chlordane	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
beta-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
delta-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Dieldrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan I	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan II	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan sulfate	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin aldehyde	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin ketone	ug/L	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)
gamma-BHC (Lindane)	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
gamma-Chlordane	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Heptachlor	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Heptachlor epoxide	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Methoxychlor	ug/L	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)
Toxaphene	ug/L	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*MW-401*	*MW-402*	*MW-402*	*MW-414*	*MW-415*	*MW-421*	*MW-422*
Sample ID:		*WG-6029-1004-DJT-052*	*WG-6029-1004-DJT-012*	*WG-6029-1004-DJT-013*	*WG-6029-1004-DJT-038*	*WG-6029-1004-DJT-017*	*WG-6029-1004-DJT-044*	*WG-6029-1004-DJT-039*
Date Sampled:		*10/22/2004*	*10/5/2004*	*10/5/2004*	*10/6/2004*	*10/5/2004*	*10/6/2004*	*10/6/2004*
				Duplicate				
Parameters	***Units***							
PCBs								
Aroclor-1016 (PCB-1016)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1221 (PCB-1221)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1232 (PCB-1232)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1242 (PCB-1242)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1248 (PCB-1248)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1254 (PCB-1254)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1260 (PCB-1260)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Inorganic Compounds								
Aluminum	ug/L	1250	643 J	1090 J	238	540	1820	ND (200)
Antimony	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Arsenic	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	5.4	ND (5.0)
Barium	ug/L	ND (200)	ND (200)	269	ND (200)	ND (200)	ND (200)	ND (200)
Beryllium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Cadmium	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Calcium	ug/L	ND (5000)	ND (5000)	ND (5000)	ND (5000)	ND (5000)	9410	6910
Chromium Total	ug/L	ND (10)	ND (10)	12.3	ND (10)	ND (10)	20.4	ND (10)
Cobalt	ug/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Copper	ug/L	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	85.3	ND (25)
Cyanide (total)	ug/L	R	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Iron	ug/L	5600	5280 J	7560 J	8890	2420	32100	8290
Lead	ug/L	ND (3.0)	3.2 J	6.1 J	ND (3.0)	ND (3.0)	3.3	ND (3.0)
Magnesium	ug/L	ND (5000)	ND (5000)	ND (5000)	ND (5000)	ND (5000)	ND (5000)	ND (5000)
Manganese	ug/L	64.8	38.6 J	57.1 J	75.4	19.6	444	93.6
Mercury	ug/L	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Nickel	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	38.3	ND (20)
Potassium	ug/L	ND (5000)	ND (5000)	ND (5000)	ND (5000)	ND (5000)	7010 J	8050 J
Selenium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Silver	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Sodium	ug/L	458000	430000	428000	539000	437000	510000	812000
Thallium	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Vanadium	ug/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Zinc	ug/L	51.8	20.6 J	99.2 J	ND (20)	ND (20)	ND (20)	ND (20)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*Potable Water Well*	*S&E Ditches Sediment*	*S&E Ditches Sediment*
Sample ID:		*WG-6029-1004-DJT-050*	*SW-6029-1004-DJT-027*	*SW-6029-1004-DJT-028*
Date Sampled:		*10/7/2004*	*10/5/2004*	*10/5/2004*
				Duplicate
Parameters	*Units*			
Volatile Organic Compounds				
1,1,1-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
2-Butanone (Methyl Ethyl Ketone)	ug/L	ND (10)	ND (10)	ND (10)
2-Hexanone	ug/L	ND (5.0)	ND (5.0)	ND (5.0)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	ND (10)	ND (10)	ND (10)
Benzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ND (4.0)	ND (4.0)	ND (4.0)
Bromomethane (Methyl Bromide)	ug/L	ND (2.0)	ND (2.0)	ND (2.0)
Carbon disulfide	ug/L	ND (2.0)	ND (2.0)	ND (2.0)
Carbon tetrachloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Chloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Chloroform (Trichloromethane)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Chloromethane (Methyl Chloride)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Methylene chloride	ug/L	ND (2.0)	ND (2.0)	ND (2.0)
Styrene	ug/L	ND (5.0)	ND (5.0)	ND (5.0)
Tetrachloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Toluene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*Potable Water Well*	*S&E Ditches Sediment*	*S&E Ditches Sediment*
Sample ID:		*WG-6029-1004-DJT-050*	*SW-6029-1004-DJT-027*	*SW-6029-1004-DJT-028*
Date Sampled:		*10/7/2004*	*10/5/2004*	*10/5/2004*
				Duplicate
Parameters	*Units*			
Acid Extractibles				
2,4,5-Trichlorophenol	ug/L	ND (5.0)	ND (5.6)	ND (5.0)
2,4,6-Trichlorophenol	ug/L	ND (5.0)	ND (5.6)	ND (5.0)
2,4-Dichlorophenol	ug/L	ND (5.0)	ND (5.6)	ND (5.0)
2,4-Dimethylphenol	ug/L	ND (5.0)	ND (5.6)	ND (5.0)
2,4-Dinitrophenol	ug/L	ND (20)	ND (22)	ND (20)
2-Chlorophenol	ug/L	ND (5.0)	ND (5.6)	ND (5.0)
2-Methylphenol	ug/L	ND (5.0)	ND (5.6)	ND (5.0)
2-Nitrophenol	ug/L	ND (5.0)	ND (5.6)	ND (5.0)
3&4-Methylphenol	ug/L	ND (5.0)	ND (5.6)	ND (5.0)
4,6-Dinitro-2-methylphenol	ug/L	ND (20)	ND (22)	ND (20)
4-Chloro-3-methylphenol	ug/L	ND (5.0)	ND (5.6)	ND (5.0)
4-Nitrophenol	ug/L	ND (20)	ND (22)	ND (20)
Pentachlorophenol	ug/L	ND (20)	ND (22)	ND (20)
Phenol	ug/L	ND (5.0)	ND (5.6)	ND (5.0)
Base/Neutral Etractibles				
1,2,4-Trichlorobenzene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
1,2-Dichlorobenzene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
1,3-Dichlorobenzene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
1,4-Dichlorobenzene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
2,4-Dinitrotoluene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
2,6-Dinitrotoluene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
2-Chloronaphthalene	ug/L	ND (5.0)	ND (5.6)	ND (5.0)
2-Methylnaphthalene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
2-Nitroaniline	ug/L	ND (5.0)	ND (5.6)	ND (5.0)
3,3'-Dichlorobenzidine	ug/L	ND (5.0)	ND (5.6)	ND (5.0)
3-Nitroaniline	ug/L	ND (5.0)	ND (5.6)	ND (5.0)
4-Bromophenyl phenyl ether	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
4-Chloroaniline	ug/L	ND (5.0)	ND (5.6)	ND (5.0)
4-Chlorophenyl phenyl ether	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
4-Nitroaniline	ug/L	ND (5.0)	ND (5.6)	ND (5.0)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*Potable Water Well*	*S&E Ditches Sediment*	*S&E Ditches Sediment*
Sample ID:		*WG-6029-1004-DJT-050*	*SW-6029-1004-DJT-027*	*SW-6029-1004-DJT-028*
Date Sampled:		*10/7/2004*	*10/5/2004*	*10/5/2004*
				Duplicate
Parameters	***Units***			
Base/Neutral Etractibles (cont'd)				
Acenaphthene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Acenaphthylene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Anthracene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Benzo(a)anthracene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Benzo(a)pyrene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Benzo(b)fluoranthene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Benzo(g,h,i)perylene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Benzo(k)fluoranthene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
bis(2-Chloroethoxy)methane	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
bis(2-Chloroethyl)ether	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
bis(2-Ethylhexyl)phthalate	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Butyl benzylphthalate	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Carbazole	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Chrysene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Dibenz(a,h)anthracene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Dibenzofuran	ug/L	ND (5.0)	ND (5.6)	ND (5.0)
Diethyl phthalate	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Dimethyl phthalate	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Di-n-butylphthalate	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Di-n-octyl phthalate	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Fluoranthene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Fluorene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Hexachlorobenzene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Hexachlorobutadiene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Hexachlorocyclopentadiene	ug/L	ND (20)	ND (22)	ND (20)
Hexachloroethane	ug/L	ND (5.0)	ND (5.6)	ND (5.0)
Indeno(1,2,3-cd)pyrene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Isophorone	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Naphthalene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Nitrobenzene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
N-Nitrosodi-n-propylamine	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
N-Nitrosodiphenylamine	ug/L	ND (5.0)	ND (5.6)	ND (5.0)
Phenanthrene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)
Pyrene	ug/L	ND (2.0)	ND (2.2)	ND (2.0)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*Potable Water Well*	*S&E Ditches Sediment*	*S&E Ditches Sediment*
Sample ID:		*WG-6029-1004-DJT-050*	*SW-6029-1004-DJT-027*	*SW-6029-1004-DJT-028*
Date Sampled:		*10/7/2004*	*10/5/2004*	*10/5/2004*
				Duplicate
Parameters	*Units*			
Pesticides				
4,4'-DDD	ug/L	ND (0.020)	ND (0.020)	ND (0.020)
4,4'-DDE	ug/L	ND (0.020)	ND (0.020)	ND (0.020)
4,4'-DDT	ug/L	ND (0.020)	ND (0.020)	ND (0.020)
Aldrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)
alpha-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)
alpha-Chlordane	ug/L	ND (0.020)	ND (0.020)	ND (0.020)
beta-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)
delta-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)
Dieldrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan I	ug/L	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan II	ug/L	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan sulfate	ug/L	ND (0.020)	ND (0.020)	ND (0.020)
Endrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)
Endrin aldehyde	ug/L	ND (0.020)	ND (0.020)	ND (0.020)
Endrin ketone	ug/L	ND (0.050)	ND (0.050)	ND (0.050)
gamma-BHC (Lindane)	ug/L	ND (0.020)	ND (0.020)	ND (0.020)
gamma-Chlordane	ug/L	ND (0.020)	ND (0.020)	ND (0.020)
Heptachlor	ug/L	ND (0.020)	ND (0.020)	ND (0.020)
Heptachlor epoxide	ug/L	ND (0.020)	ND (0.020)	ND (0.020)
Methoxychlor	ug/L	ND (0.050)	ND (0.050)	ND (0.050)
Toxaphene	ug/L	ND (0.25)	ND (0.25)	ND (0.25)

Table B.1
Summary of Monitoring Well Groundwater Analytical Data
TCL/TAL Results
Summit National Superfund Site
Deerfeild Township of Portage County, Ohio
October 2004

Location:		*Potable Water Well*	*S&E Ditches Sediment*	*S&E Ditches Sediment*
Sample ID:		*WG-6029-1004-DJT-050*	*SW-6029-1004-DJT-027*	*SW-6029-1004-DJT-028*
Date Sampled:		*10/7/2004*	*10/5/2004*	*10/5/2004*
				Duplicate
Parameters	***Units***			
PCBs				
Aroclor-1016 (PCB-1016)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1221 (PCB-1221)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1232 (PCB-1232)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1242 (PCB-1242)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1248 (PCB-1248)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1254 (PCB-1254)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1260 (PCB-1260)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)
Inorganic Compounds				
Aluminum	ug/L	ND (200)	235	303
Antimony	ug/L	ND (5.0)	5.1	ND (5.0)
Arsenic	ug/L	ND (5.0)	ND (5.0)	ND (5.0)
Barium	ug/L	ND (200)	ND (200)	ND (200)
Beryllium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)
Cadmium	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Calcium	ug/L	ND (5000)	129000	133000
Chromium Total	ug/L	ND (10)	ND (10)	ND (10)
Cobalt	ug/L	ND (50)	ND (50)	ND (50)
Copper	ug/L	ND (25)	ND (25)	ND (25)
Cyanide (total)	ug/L	ND (10)	-	-
Iron	ug/L	ND (100)	436	484
Lead	ug/L	ND (3.0)	ND (3.0)	ND (3.0)
Magnesium	ug/L	ND (5000)	44700	45500
Manganese	ug/L	ND (15)	205	223
Mercury	ug/L	ND (0.20)	ND (0.20)	ND (0.20)
Nickel	ug/L	ND (20)	ND (20)	ND (20)
Potassium	ug/L	ND (5000)	ND (5000)	ND (5000)
Selenium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)
Silver	ug/L	ND (10)	ND (10)	ND (10)
Sodium	ug/L	460000	10700	11600 J
Thallium	ug/L	ND (10)	ND (10)	ND (10)
Vanadium	ug/L	ND (50)	ND (50)	ND (50)
Zinc	ug/L	22.9	ND (20)	ND (20)

Notes:
ND() - Non detect at associated value.
J - Estimated value.
R - Rejected value.

UJ - Analyte was not detected above the sample quantitation limit. Reported value is estimated.
ug/L - Micrograms per liter.

Table B.2
Summary of Monitoring Well Groundwater Analytical Data
Rinsate Blank Results
Summit National Superfund Site
Deerfield Township of Portage County, Ohio
October 2004

Location:		*Rinse Blank*	*Rinse Blank*	*Rinse Blank*	*Rinse Blank*	*Rinse Blank*
Sample ID:		*RB-6029-1004-DJT-008*	*RB-6029-1004-DJT-016*	*RB-6029-1004-DJT-037*	*RB-6029-1004-DJT-056*	*RB-6029-1004-DJT-065*
Date Sampled:		*10/4/2004*	*10/5/2004*	*10/6/2004*	*10/7/2004*	*10/7/2004*
Parameters	*Units*					
Volatile Organic Compounds						
1,1,1-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
2-Butanone (Methyl Ethyl Ketone)	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Hexanone	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Bromomethane (Methyl Bromide)	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon disulfide	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon tetrachloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroform (Trichloromethane)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloromethane (Methyl Chloride)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Methylene chloride	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Styrene	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Tetrachloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Toluene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

Table B.2
Summary of Monitoring Well Groundwater Analytical Data
Rinsate Blank Results
Summit National Superfund Site
Deerfield Township of Portage County, Ohio
October 2004

Location:		*Rinse Blank*	*Rinse Blank*	*Rinse Blank*	*Rinse Blank*	*Rinse Blank*
Sample ID:		*RB-6029-1004-DJT-008*	*RB-6029-1004-DJT-016*	*RB-6029-1004-DJT-037*	*RB-6029-1004-DJT-056*	*RB-6029-1004-DJT-065*
Date Sampled:		*10/4/2004*	*10/5/2004*	*10/6/2004*	*10/7/2004*	*10/7/2004*
Parameters	*Units*					
Acid Extractibles						
2,4,5-Trichlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
2,4,6-Trichlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
2,4-Dichlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
2,4-Dimethylphenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
2,4-Dinitrophenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (21)
2-Chlorophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
2-Methylphenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
2-Nitrophenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
3&4-Methylphenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
4,6-Dinitro-2-methylphenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (21)
4-Chloro-3-methylphenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
4-Nitrophenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (21)
Pentachlorophenol	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (21)
Phenol	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
Base/Neutral Extractibles						
1,2,4-Trichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
1,2-Dichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
1,3-Dichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
1,4-Dichlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
2,4-Dinitrotoluene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
2,6-Dinitrotoluene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
2-Chloronaphthalene	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
2-Methylnaphthalene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
2-Nitroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
3,3'-Dichlorobenzidine	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
3-Nitroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
4-Bromophenyl phenyl ether	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
4-Chloroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
4-Chlorophenyl phenyl ether	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
4-Nitroaniline	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
Acenaphthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Acenaphthylene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Anthracene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Benzo(a)anthracene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Benzo(a)pyrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Benzo(b)fluoranthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)

Table B.2
Summary of Monitoring Well Groundwater Analytical Data
Rinsate Blank Results
Summit National Superfund Site
Deerfield Township of Portage County, Ohio
October 2004

Location:		*Rinse Blank*	*Rinse Blank*	*Rinse Blank*	*Rinse Blank*	*Rinse Blank*
Sample ID:		*RB-6029-1004-DJT-008*	*RB-6029-1004-DJT-016*	*RB-6029-1004-DJT-037*	*RB-6029-1004-DJT-056*	*RB-6029-1004-DJT-065*
Date Sampled:		*10/4/2004*	*10/5/2004*	*10/6/2004*	*10/7/2004*	*10/7/2004*
Parameters	*Units*					
Base/Neutral Extractibles (cont'd)						
Benzo(g,h,i)perylene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Benzo(k)fluoranthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
bis(2-Chloroethoxy)methane	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
bis(2-Chloroethyl)ether	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
bis(2-Ethylhexyl)phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Butyl benzylphthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Carbazole	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Chrysene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Dibenz(a,h)anthracene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Dibenzofuran	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
Diethyl phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Dimethyl phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Di-n-butylphthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Di-n-octyl phthalate	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Fluoranthene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Fluorene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Hexachlorobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Hexachlorobutadiene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Hexachlorocyclopentadiene	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (21)
Hexachloroethane	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
Indeno(1,2,3-cd)pyrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Isophorone	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Naphthalene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Nitrobenzene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
N-Nitrosodi-n-propylamine	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
N-Nitrosodiphenylamine	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.3)
Phenanthrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)
Pyrene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)

Table B.2
Summary of Monitoring Well Groundwater Analytical Data
Rinsate Blank Results
Summit National Superfund Site
Deerfield Township of Portage County, Ohio
October 2004

Location:		*Rinse Blank*	*Rinse Blank*	*Rinse Blank*	*Rinse Blank*	*Rinse Blank*
Sample ID:		*RB-6029-1004-DJT-008*	*RB-6029-1004-DJT-016*	*RB-6029-1004-DJT-037*	*RB-6029-1004-DJT-056*	*RB-6029-1004-DJT-065*
Date Sampled:		*10/4/2004*	*10/5/2004*	*10/6/2004*	*10/7/2004*	*10/7/2004*
Parameters	*Units*					
Pesticides						
4,4'-DDD	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
4,4'-DDE	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
4,4'-DDT	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Aldrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
alpha-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
alpha-Chlordane	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
beta-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
delta-BHC	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Dieldrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan I	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan II	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endosulfan sulfate	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin aldehyde	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Endrin ketone	ug/L	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)
gamma-BHC (Lindane)	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
gamma-Chlordane	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Heptachlor	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Heptachlor epoxide	ug/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Methoxychlor	ug/L	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)
Toxaphene	ug/L	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
PCBs						
Aroclor-1016 (PCB-1016)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1221 (PCB-1221)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1232 (PCB-1232)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1242 (PCB-1242)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1248 (PCB-1248)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1254 (PCB-1254)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Aroclor-1260 (PCB-1260)	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)

Table B.2
Summary of Monitoring Well Groundwater Analytical Data
Rinsate Blank Results
Summit National Superfund Site
Deerfield Township of Portage County, Ohio
October 2004

Location:		*Rinse Blank*	*Rinse Blank*	*Rinse Blank*	*Rinse Blank*	*Rinse Blank*
Sample ID:		*RB-6029-1004-DJT-008*	*RB-6029-1004-DJT-016*	*RB-6029-1004-DJT-037*	*RB-6029-1004-DJT-056*	*RB-6029-1004-DJT-065*
Date Sampled:		*10/4/2004*	*10/5/2004*	*10/6/2004*	*10/7/2004*	*10/7/2004*
Parameters	*Units*					
Inorganic Compounds						
Aluminum	ug/L	ND (200)	ND (200)	ND (200)	ND (200)	224
Antimony	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Arsenic	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Barium	ug/L	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)
Beryllium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Cadmium	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Calcium	ug/L	ND (5000)	ND (5000)	ND (5000)	ND (5000)	ND (5000)
Chromium Total	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Cobalt	ug/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Copper	ug/L	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)
Cyanide (total)	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Iron	ug/L	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Lead	ug/L	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)
Magnesium	ug/L	ND (5000)	ND (5000)	ND (5000)	ND (5000)	ND (5000)
Manganese	ug/L	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)
Mercury	ug/L	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Nickel	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Potassium	ug/L	ND (5000)	ND (5000)	ND (5000)	ND (5000)	ND (5000)
Selenium	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Silver	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Sodium	ug/L	ND (5000)	ND (5000)	ND (5000)	ND (5000)	ND (5000)
Thallium	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Vanadium	ug/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Zinc	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	21.0

Notes:
ND() - Non detect at associated value.
ug/L - Micrograms per liter.

Table B.3
Summary of Monitoring Well Groundwater Analytical Data
Trip Blank Results
Summit National Superfund Site
Deerfield Township of Portage County, Ohio
October 2004

Location:		*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*
Sample ID:		*TB-6029-1004-DJT*	*TB-6029-100504-DJT*	*TB-6029-1006040-DJT*	*TB-6029-100704-DJT*
Date Sampled:		*10/4/2004*	*10/5/2004*	*10/6/2004*	*10/7/2004*
Parameters	*Units*				
Volatile Organic Compounds					
1,1,1-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
2-Butanone (Methyl Ethyl Ketone)	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
2-Hexanone	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/L	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Bromomethane (Methyl Bromide)	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon disulfide	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon tetrachloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroform (Trichloromethane)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloromethane (Methyl Chloride)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Methylene chloride	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Styrene	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Tetrachloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Toluene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

Notes:
ND() - Non detect at associated value.
ug/L - Micrograms per liter.

ATTACHMENT C

DATA QUALITY ASSESSMENT

CONESTOGA-ROVERS & ASSOCIATES

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MEMORANDUM

TO: Steve Whillier

REF. NO.: 006029-50

FROM: Nancy Bergstrom/lg/25 NMB

DATE: December 1, 2004

C.C.: James Varnava, Steve Day

RE: **Data Quality Assessment and Validation**
October 2004 Sampling Event
Summit National Superfund Site
Deerfield Township, Portage County, Ohio

The following details the data quality assessment and validation conducted for the samples collected during the October 2004 sampling event at the Summit National Superfund Site in Deerfield Township, Portage County, Ohio. The samples identified in Table 1 were selectively analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), and metals by Accutest Laboratories, Inc. of Dayton, New Jersey. The methods of analysis are presented in Table 2. The quality assurance criteria used to assess the data were established by the Site-specific quality assurance project plan (QAPP) and the methods of analysis.[1]

Holding Time Periods

The holding time periods are presented in Table 3. Sample WG-6029-1004-DJT-040 was re-extracted for SVOC analysis after the holding time period had expired. The sample was re-extracted because the initial analysis yielded a surrogate compound percent recovery less than 10 percent. SVOCs were not detected in the sample, and the quantitation limits were qualified as estimated (UJ) for holding time period violation. The remaining samples were prepared and analyzed within the required holding time periods.

Method Blank Samples

Contamination of samples contributed by laboratory conditions or procedures was monitored by the data from concurrent preparation and analysis of method blank samples. Target analytes were not detected in the method blank samples.

[1] Application of quality assurance criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999 and "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", EPA-540/R-94-013, February 1994.

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Surrogate Compound Percent Recoveries

Method performance on individual samples analyzed for VOCs, SVOCs, pesticides, and PCBs was evaluated by the percent recovery data from surrogate compounds spiked into each sample prior to preparation and analysis. The surrogate compound percent recoveries for several samples analyzed for pesticides and PCBs exceeded their respective upper control limits. Data qualification was not required because pesticides and PCBs were not detected in these samples. The surrogate compound percent recovery acceptance criteria were met for the remaining samples.

Blank Spike Sample Analyses

Analytical accuracy was evaluated by the percent recovery data from blank spike sample analyses. Table 4 presents sample data qualified for violation of blank spike sample percent recovery acceptance criteria. The remaining blank spike sample percent recoveries were acceptable or sample data associated with unacceptable blank spike data did not require qualification.

Matrix Spike/Matrix Spike Duplicate Sample Analyses - Organics

Accuracy and precision of the organic analyses relative to the sample matrices were evaluated by the percent recovery and relative percent difference (RPD) data from matrix spike/matrix spike duplicate (MS/MSD) sample analyses. Table 5 presents sample data qualified for MS/MSD percent recovery acceptance criteria violation. The remaining percent recovery and RPD acceptance criteria were met for the MS/MSD samples or unacceptable MS/MSD data were from samples not associated with the project.

Matrix Spike Sample Analyses – Metals and Cyanide

Matrix spike samples were analyzed to determine the effect of the sample matrix on the metals and cyanide preparation and measurement procedures. Table 6 presents sample data qualified for matrix spike percent recovery acceptance criteria violation. The remaining matrix spike sample data were acceptable or sample data associated with unacceptable matrix spike percent recovery data did not require qualification.

Laboratory Duplicate Sample Analyses – Metals and Cyanide

The precision of the metals and cyanide analyses was evaluated by the RPD data from laboratory duplicate samples. The duplicate sample data were acceptable or sample data associated with unacceptable laboratory duplicate RPD data were previously qualified for matrix spike percent recovery acceptance criteria violation.

Serial Dilution Sample – Metals

Serial dilution sample data were evaluated to determine if significant physical or chemical interferences attributable to the sample matrix affected metals results reported from inductively coupled plasma analyses. The percent difference between the results for a sample and the results for a serial dilution of the sample was required to be within 10 percent. Table 7 presents sample data qualified for violation of serial dilution acceptance criteria. The remaining serial dilution sample data were acceptable.

Field Quality Assurance/Quality Control

Field quality assurance measures included the analysis of equipment rinsate and field blank samples, field duplicate samples, and trip blank samples.

To evaluate the effectiveness of field decontamination procedures and the cleanliness of field sampling equipment, equipment rinsate and field blank samples were collected and analyzed. Zinc and aluminum were detected at concentrations slightly greater than their respective quantitation limits in one equipment rinsate blank sample. The concentrations of these elements in the equipment rinsate blank sample were not indicative of sample cross-contamination and data qualification was deemed to be unnecessary.

Overall precision for the sampling and analysis event was evaluated by the RPD data from field duplicate sample data. Table 8 presents detected analyte results from the investigative and field duplicate samples. Table 9 presents sample data qualified for unacceptable field duplicate RPDs. The remaining field duplicate data were acceptable.

To monitor sample cross-contamination by VOCs during sample transport and storage, trip blank samples were submitted with the investigative samples. VOCs were not detected in the trip blank samples.

Completeness

Completeness, as determined by the total number of usable results versus the total number of results, was required to be 95 percent or greater. Completeness for this event was calculated to be 99.8%; therefore, the completeness goal was attained.

Overall Assessment

The majority of the data were determined to be usable. Data qualified as unusable were the result of demonstrated matrix interferences.

Attachments

TABLE 1

SAMPLE IDENTIFICATION NUMBERS
OCTOBER 2004 SAMPLING EVENT
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP, PORTAGE COUNTY, OHIO

Sample ID	*Location*
WG-6029-1004-DJT-001	MW-109
WG-6029-1004-DJT-002	MW-209
WG-6029-1004-DJT-003	MW-309
WG-6029-1004-DJT-004	MW-309 Duplicate
WG-6029-1004-DJT-005	MW-4
WG-6029-1004-DJT-006	MW-110
WG-6029-1004-DJT-007	MW-118
WG-6029-1004-DJT-009	MW-205
WG-6029-1004-DJT-010	MW-220
WG-6029-1004-DJT-011	MW-320
WG-6029-1004-DJT-012	MW-402
WG-6029-1004-DJT-013	MW-402 Duplicate
WG-6029-1004-DJT-014	MW-116
WG-6029-1004-DJT-015	MW-117
WG-6029-1004-DJT-017	MW-415
WG-6029-1004-DJT-018	MW-305
WG-6029-1004-DJT-019	MW-114
WG-6029-1004-DJT-020	MW-204
WG-6029-1004-DJT-021	MW-115
WG-6029-1004-DJT-022	MW-304
WG-6029-1004-DJT-023	MW-322
WG-6029-1004-DJT-024	MW-324
WG-6029-1004-DJT-030	DULEY
WG-6029-1004-DJT-031	MW-223
WG-6029-1004-DJT-032	MW-323
WG-6029-1004-DJT-033	MW-101
WG-6029-1004-DJT-034	MW-302
WG-6029-1004-DJT-035	MW-301
WG-6029-1004-DJT-036	MW-201
WG-6029-1004-DJT-038	MW-414
WG-6029-1004-DJT-039	MW-422
WG-6029-1004-DJT-040	MW-103
WG-6029-1004-DJT-041	MW-102

TABLE 1

SAMPLE IDENTIFICATION NUMBERS
OCTOBER 2004 SAMPLING EVENT
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP, PORTAGE COUNTY, OHIO

Sample ID	*Location*
WG-6029-1004-DJT-042	MW-102 Duplicate
WG-6029-1004-DJT-043	MW-202
WG-6029-1004-DJT-044	MW-421
RW-6029-1004-DJT-045	CARVER
RW-6029-1004-DJT-047	MARTIN
RW-6029-1004-DJT-048	MARTIN Duplicate
WG-6029-1004-DJT-049	MW-108
WG-6029-1004-DJT-051	MW-321
WG-6029-1004-DJT-052	MW-401
WG-6029-1004-DJT-053	MW-303
WG-6029-1004-DJT-054	MW-303 Duplicate
WG-6029-1004-DJT-055	MW-203
WG-6029-1004-DJT-057	MW-11
WG-6029-1004-DJT-058	MW-111
WG-6029-1004-DJT-059	MW-306
WG-6029-1004-DJT-060	MW-106
WG-6029-1004-DJT-061	MW-206
WG-6029-1004-DJT-062	MW-207
WG-6029-1004-DJT-063	MW-207 Duplicate
WG-6029-1004-DJT-064	MW-104
WG-6029-1004-DJT-066	MW-105
WG-6029-1004-DJT-067	MW-219
WG-6029-1004-DJT-068	MW-319
WG-6029-1004-DJT-069	MW-107
WG-6029-1004-DJT-070	MW-307
WG-6029-1004-DJT-071	MW-113
WG-6029-1004-DJT-072	MW-224
SD-6029-1004-DJT-025	S&E Ditch
SD-6029-1004-DJT-026	S&E Ditch
SW-6029-1004-DJT-027	S&E Ditch
SW-6029-1004-DJT-028	S&E Ditch
WG-6029-1004-DJT-050	Site Potable-Use Well

TABLE 2

SUMMARY OF ANALYTICAL METHODS
OCTOBER 2004 SAMPLING EVENT
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP, PORTAGE COUNTY, OHIO

Parameter	*Analytical Method* [1]
Target Compound List (TCL) Volatile Organic Compounds (VOCs)	SW-846 8260B
TCL Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
TCL Pesticides	SW-846 8081A
TCL Polychlorinated biphenyls (PCBs)	SW-846 8082
Target Analyte List (TAL) Metals	SW-846 6010B/7470A
TAL Cyanide	EPA 335.3

[1] Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA.
EPA - "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, revised March 1983.

TABLE 3

HOLDING TIME PERIODS
OCTOBER 2004 SAMPLING EVENT
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP, PORTAGE COUNTY, OHIO

Parameter	*Holding Time Period*
TCL VOCs, Cyanide	- 14 days from sample collection to completion of analysis
TCL SVOCs, TCL Pesticides, TCL PCBs	- 7 days from sample collection to extraction - 40 days from extraction to completion of analysis
TAL Metals (except mercury)	- 180 days from sample collection to completion of analysis
Mercury	- 28 days from sample collection to completion of analysis

TABLE 4

SUMMARY OF SAMPLE DATA QUALIFIED FOR BLANK SPIKE PERCENT RECOVERY ACCEPTANCE CRITERIA VIOLATION OCTOBER 2004 SAMPLING EVENT SUMMIT NATIONAL SUPERFUND SITE DEERFIELD TOWNSHIP, PORTAGE COUNTY, OHIO

Analyte	*Associated Samples*	*Qualifier*[1]
2-Butanone	WG-6029-1004-DJT-038	UJ
	WG-6029-1004-DJT-039	UJ
	WG-6029-1004-DJT-043	UJ
	WG-6029-1004-DJT-044	UJ
2-Hexanone	WG-6029-1004-DJT-038	UJ
	WG-6029-1004-DJT-039	UJ
	WG-6029-1004-DJT-043	UJ
	WG-6029-1004-DJT-044	UJ
Acetone	WG-6029-1004-DJT-038	UJ
	WG-6029-1004-DJT-039	UJ
	WG-6029-1004-DJT-043	UJ
	WG-6029-1004-DJT-044	UJ

[1] The sample results are qualified as:
UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

TABLE 5

SUMMARY OF SAMPLE DATA QUALIFIED FOR MS/MSD PERCENT RECOVERY ACCEPTANCE CRITERIA VIOLATION OCTOBER 2004 SAMPLING EVENT SUMMIT NATIONAL SUPERFUND SITE DEERFIELD TOWNSHIP, PORTAGE COUNTY, OHIO

Sample ID	*Analyte*	*Qualifier* [1]
WG-6029-1004-DJT-060	2-Hexanone	UJ
WG-6029-1004-DJT-069	delta-BHC	UJ
	Endrin aldehyde	UJ
SD-6029-1004-DJT-025	Ethylbenzene	UJ
	Styrene	UJ
	cis-1,3-Dichloropropene	UJ
	trans-1,3-Dichloropropene	UJ
	1,2-Dichloroethane	UJ
	Toluene	UJ
	Chlorobenzene	UJ
	Dibromochloromethane	UJ
	Tetrachloroethene	UJ
	Xylene (total)	UJ
	cis-1,2-Dichloroethene	UJ
	Chloroform (Trichloromethane)	UJ
	Benzene	UJ
	Bromoform	UJ
	Bromodichloromethane	UJ
	1,1-Dichloroethane	UJ
	1,2-Dichloropropane	UJ
	1,1,2-Trichloroethane	UJ
	Trichloroethene	UJ
	1,1,2,2-Tetrachloroethane	UJ
	Pyrene	J
	2,4-Dinitrophenol	R
	Hexachlorocyclopentadiene	R
SD-6029-1004-DJT-026	Ethylbenzene	UJ
	Styrene	UJ
	cis-1,3-Dichloropropene	UJ
	trans-1,3-Dichloropropene	UJ
	1,2-Dichloroethane	UJ

TABLE 5

SUMMARY OF SAMPLE DATA QUALIFIED FOR MS/MSD PERCENT RECOVERY ACCEPTANCE CRITERIA VIOLATION OCTOBER 2004 SAMPLING EVENT SUMMIT NATIONAL SUPERFUND SITE DEERFIELD TOWNSHIP, PORTAGE COUNTY, OHIO

Sample ID	*Analyte*	*Qualifier* [1]
SD-6029-1004-DJT-026	Toluene	UJ
	Chlorobenzene	UJ
	Dibromochloromethane	UJ
	Tetrachloroethene	UJ
	Xylene (total)	UJ
	cis-1,2-Dichloroethene	UJ
	Chloroform (Trichloromethane)	UJ
	Benzene	UJ
	Bromoform	UJ
	Bromodichloromethane	UJ
	1,1-Dichloroethane	UJ
	1,2-Dichloropropane	UJ
	1,1,2-Trichloroethane	UJ
	Trichloroethene	UJ
	1,1,2,2-Tetrachloroethane	UJ
	Pyrene	J
	2,4-Dinitrophenol	R
	Hexachlorocyclopentadiene	R

[1] The sample results are qualified as:
UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

TABLE 6

SUMMARY OF SAMPLE DATA QUALIFIED FOR MATRIX SPIKE PERCENT RECOVERY ACCEPTANCE CRITERIA VIOLATION OCTOBER 2004 SAMPLING EVENT SUMMIT NATIONAL SUPERFUND SITE DEERFIELD TOWNSHIP, PORTAGE COUNTY, OHIO

Analyte	*Associated Samples*	*Qualifier*[1]
Cyanide	WG-6029-1004-DJT-049	R
	WG-6029-1004-DJT-051	R
	WG-6029-1004-DJT-052	R
	WG-6029-1004-DJT-053	R
	WG-6029-1004-DJT-054	R
	WG-6029-1004-DJT-055	R
	WG-6029-1004-DJT-057	R
	WG-6029-1004-DJT-058	R
	WG-6029-1004-DJT-059	R
	WG-6029-1004-DJT-060	R
	WG-6029-1004-DJT-061	R
	WG-6029-1004-DJT-062	R
	WG-6029-1004-DJT-063	R
	WG-6029-1004-DJT-064	R
	WG-6029-1004-DJT-066	R
	WG-6029-1004-DJT-067	R
	WG-6029-1004-DJT-068	R
	WG-6029-1004-DJT-069	R
	WG-6029-1004-DJT-070	R
	WG-6029-1004-DJT-071	R
	WG-6029-1004-DJT-072	R

[1] The sample results are qualified as:
R - The data are unusable.

TABLE 7

SUMMARY OF SAMPLE DATA QUALIFIED FOR SERIAL DILUTION ACCEPTANCE CRITERIA VIOLATION OCTOBER 2004 SAMPLING EVENT SUMMIT NATIONAL SUPERFUND SITE DEERFIELD TOWNSHIP, PORTAGE COUNTY, OHIO

Analyte	*Associated Samples*	*Qualifier* [1]
Potassium	WG-6029-1004-DJT-031	J
	WG-6029-1004-DJT-033	J
	WG-6029-1004-DJT-034	J
	WG-6029-1004-DJT-035	J
	WG-6029-1004-DJT-036	J
	WG-6029-1004-DJT-039	J
	WG-6029-1004-DJT-041	J
	WG-6029-1004-DJT-042	J
	WG-6029-1004-DJT-043	J
	WG-6029-1004-DJT-044	J
Sodium	WG-6029-1004-DJT-028	J

[1] The sample results are qualified as:
J - The associated value is an estimated quantity.

TABLE 8

SUMMARY OF DETECTED ANALYTES
FIELD DUPLICATE SAMPLES
OCTOBER 2004 SAMPLING EVENT
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP, PORTAGE COUNTY, OHIO

Analyte	*Investigative Sample WG-6029-1004-DJT-003 (µg/L)*	*Duplicate Sample WG-6029-1004-DJT-004 (µg/L)*	*RPD*[1]
alpha-BHC	0.20	0.15	29
gamma-BHC	0.024	ND (0.021)[2]	NC[3]
Endosulfan sulfate	0.097	0.070	32
Endosulfan I	0.29	0.22	27
Endosulfan II	0.12	0.096	22
Calcium	5,700	5,500	3.6
Chromium	116	141	19
Copper	30.4	ND (25)	NC
Iron	1,010	1,180	15
Manganese	18.3	20.5	11
Nickel	45.6	53.8	16

Analyte	*Investigative Sample WG-6029-1004-DJT-012 (µg/L)*	*Duplicate Sample WG-6029-1004-DJT-013 (µg/L)*	*RPD*
Benzene	ND (1.0)	0.31 J[4]	NC
Aluminum	643	1,090	52
Iron	5,280	7,560	36
Lead	3.2	6.1	62
Manganese	38.6	57.1	39
Sodium	430,000	428,000	0.47
Zinc	20.6	99.2	130
Barium	ND (200)	269	NC
Chromium	ND (10)	12.3	NC

TABLE 8

SUMMARY OF DETECTED ANALYTES
FIELD DUPLICATE SAMPLES
OCTOBER 2004 SAMPLING EVENT
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP, PORTAGE COUNTY, OHIO

Analyte	*Investigative Sample WG-6029-1004-DJT-047 (µg/L)*	*Duplicate Sample WG-6029-1004-DJT-048 (µg/L)*	*RPD*
Lead	8.0	7.0	13

Analyte	*Investigative Sample WG-6029-1004-DJT-041 (µg/L)*	*Duplicate Sample WG-6029-1004-DJT-042 (µg/L)*	*RPD*
Aluminum	2,020	2,150	6.2
Arsenic	8.3	10.4	22
Cadmium	1.8	2.0	11
Calcium	190,000	204,000	7.1
Iron	73,900	85,000	14
Magnesium	89,200	94,900	6.2
Manganese	1,390	1,480	6.3
Nickel	65.6	76.5	15
Potassium	7,180	7,600	5.7
Sodium	47,000	49,400	5.0
Zinc	216	233	7.6
Lead	ND (3.0)	4.5	NC

TABLE 8

SUMMARY OF DETECTED ANALYTES
FIELD DUPLICATE SAMPLES
OCTOBER 2004 SAMPLING EVENT
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP, PORTAGE COUNTY, OHIO

Analyte	*Investigative Sample WG-6029-1004-DJT-053 (µg/L)*	*Duplicate Sample WG-6029-1004-DJT-054 (µg/L)*	*RPD*
Calcium	26,600	29,500	10
Chromium	33.0	18.2	58
Copper	183	ND (25)	NC
Iron	609	258	81
Lead	10.1	ND (3.0)	NC
Magnesium	11,400	12,700	11
Manganese	36.0	30.1	18
Nickel	21.6	ND (20)	NC
Potassium	7,890	8,670	9.4
Sodium	686,000	760,000	10
Zinc	162	ND (20)	NC

Analyte	*Investigative Sample WG-6029-1004-DJT-062 (µg/L)*	*Duplicate Sample WG-6029-1004-DJT-063 (µg/L)*	*RPD*
Ethylbenzene	0.56J	0.57J	1.8
Toluene	6.7	6.2	7.7
Xylenes (total)	1.6	1.5	6.4
bis(2-Ethylhexyl)phthalate	2.3	2.5	8.3
Calcium	394,000	400,000	1.5
Iron	38,400	38,900	1.3
Lead	5.0	11.1	75
Magnesium	143,000	145,000	1.4
Manganese	1,920	1,930	0.52
Potassium	15,900	16,200	1.7
Sodium	159,000	161,000	1.2
Zinc	32.0	210	147
Copper	ND (25)	98.2	NC

TABLE 8

SUMMARY OF DETECTED ANALYTES
FIELD DUPLICATE SAMPLES
OCTOBER 2004 SAMPLING EVENT
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP, PORTAGE COUNTY, OHIO

Analyte	*Investigative Sample SD-6029-1004-DJT-025 (µg/kg)*	*Duplicate Sample SD-6029-1004-DJT-026 (µg/kg)*	*RPD*
Benzo(a)anthracene	52.8J	56.6J	6.9
Benzo(b)fluoranthene	112J	113J	0.89
Chrysene	67.1J	96.7J	36
Dibenzofuran	56.8J	70.0J	21
bis(2-Ethylhexyl)phthalate	234	309	28
Fluoranthene	82.2J	94.8J	14
2-Methylnaphthalene	229	279	20
Naphthalene	151	170	12
Phenanthrene	189	215	13
Pyrene	130	169	26
Benzo(a)pyrene	ND (120)	63.7J	NC
Benzo(ghi)perylene	ND (120)	49.9J	NC
Benzo(k)fluoranthene	ND (120)	64.7J	NC

Analyte	*Investigative Sample SW-6029-1004-DJT-027 (µg/L)*	*Duplicate Sample SW-6029-1004-DJT-028 (µg/L)*	*RPD*
Aluminum	235	303	25
Antimony	5.1	ND (5.0)	NC
Calcium	129,000	133,000	3.0
Iron	436	484	10
Magnesium	44,700	45,500	1.8
Manganese	205	223	8.4
Sodium	10,700	11,600	8.1

[1] RPD - Relative Percent Difference
[2] ND ( ) - Not detected at the quantitation limit listed in parentheses
[3] NC - Not calculable
[4] J - Estimated concentration

TABLE 9

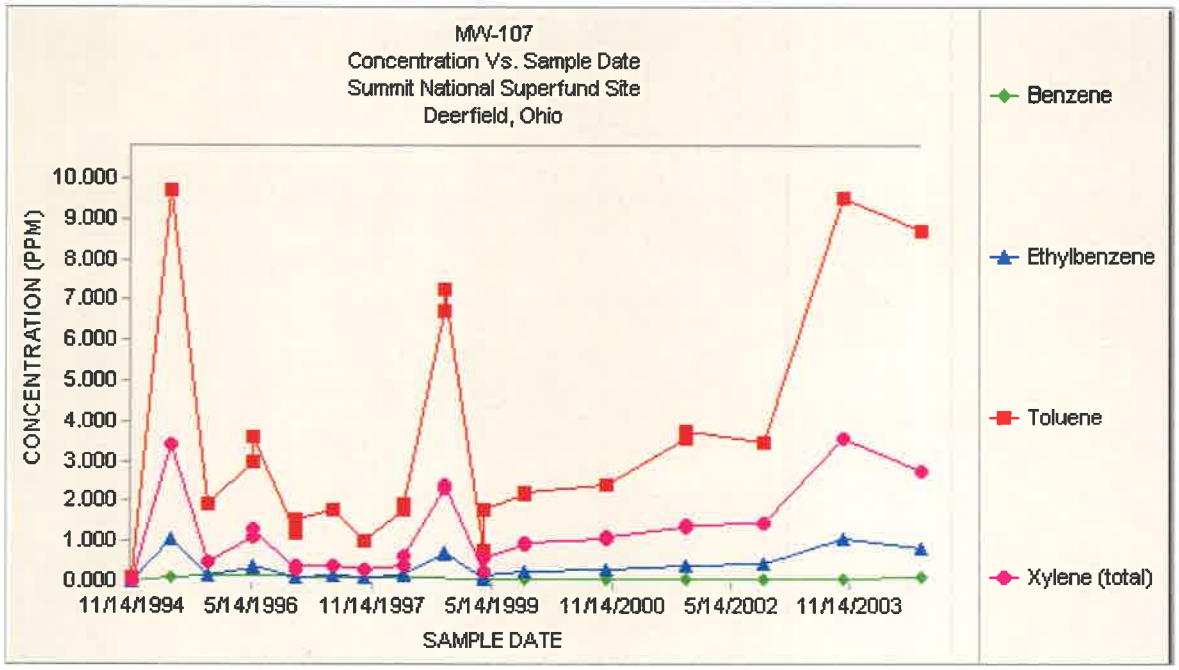
SUMMARY OF SAMPLE DATA QUALIFIED FOR UNACCEPTABLE FIELD DUPLICATE PRECISION OCTOBER 2004 SAMPLING EVENT SUMMIT NATIONAL SUPERFUND SITE DEERFIELD TOWNSHIP, PORTAGE COUNTY, OHIO

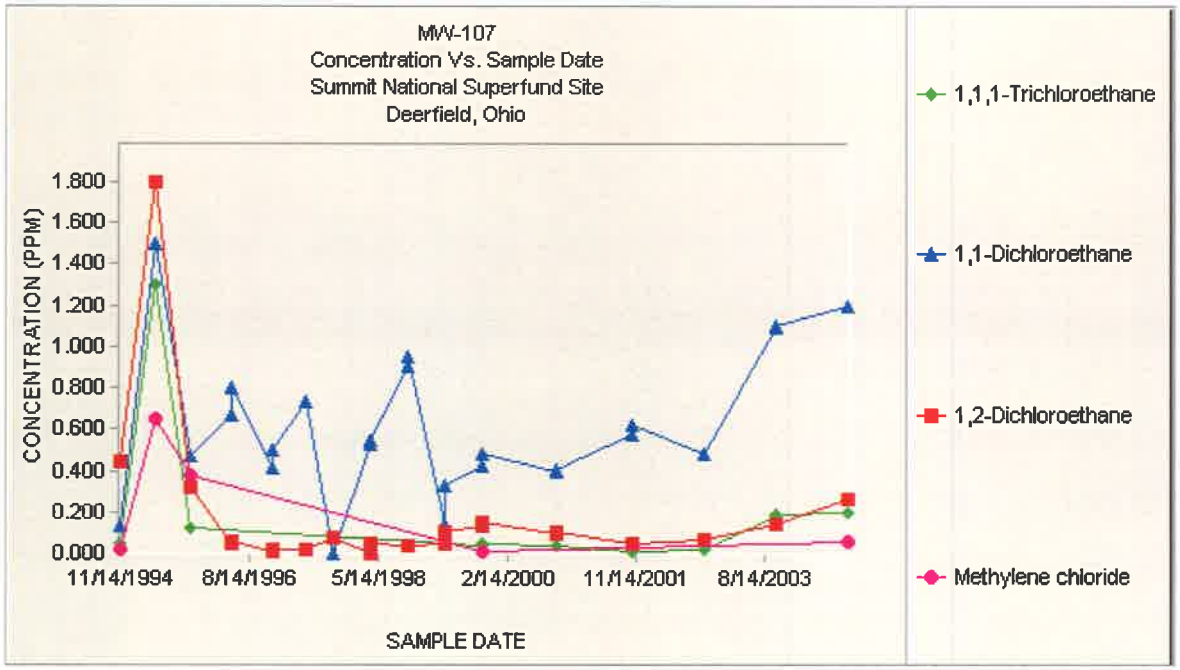
Sample ID	*Parameter*	*Qualifier* [1]
WG-6029-1004-DJT-012	Aluminum	J
	Iron	J
	Lead	J
	Manganese	J
	Zinc	J
WG-6029-1004-DJT-013	Aluminum	J
	Iron	J
	Lead	J
	Manganese	J
	Zinc	J
WG-6029-1004-DJT-053	Chromium	J
	Iron	J
WG-6029-1004-DJT-054	Chromium	J
	Iron	J
WG-6029-1004-DJT-062	Lead	J
	Zinc	J
WG-6029-1004-DJT-063	Lead	J
	Zinc	J

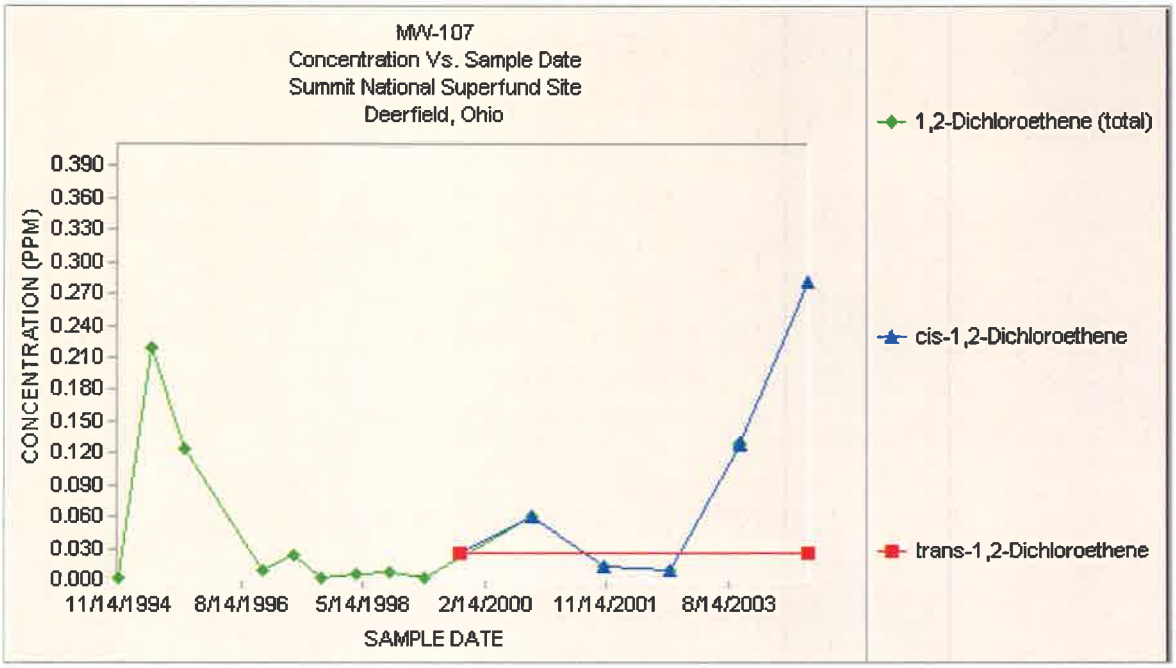
[1] The sample results should be qualified as:
J - The associated value is an estimated quantity.

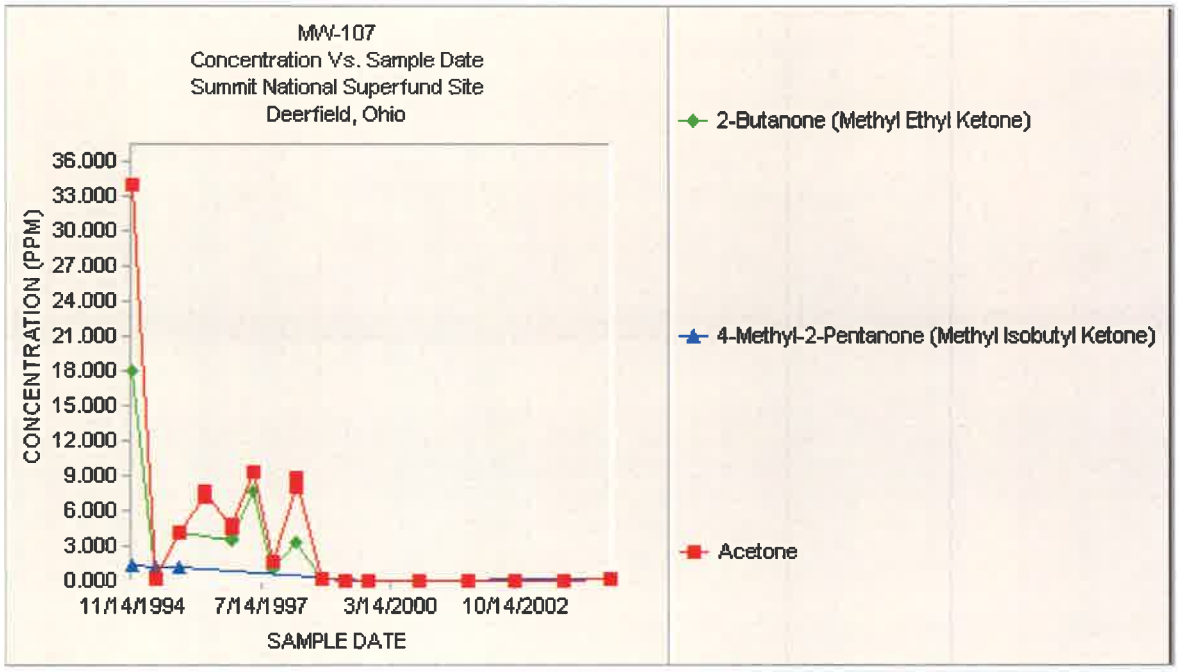
ATTACHMENT D

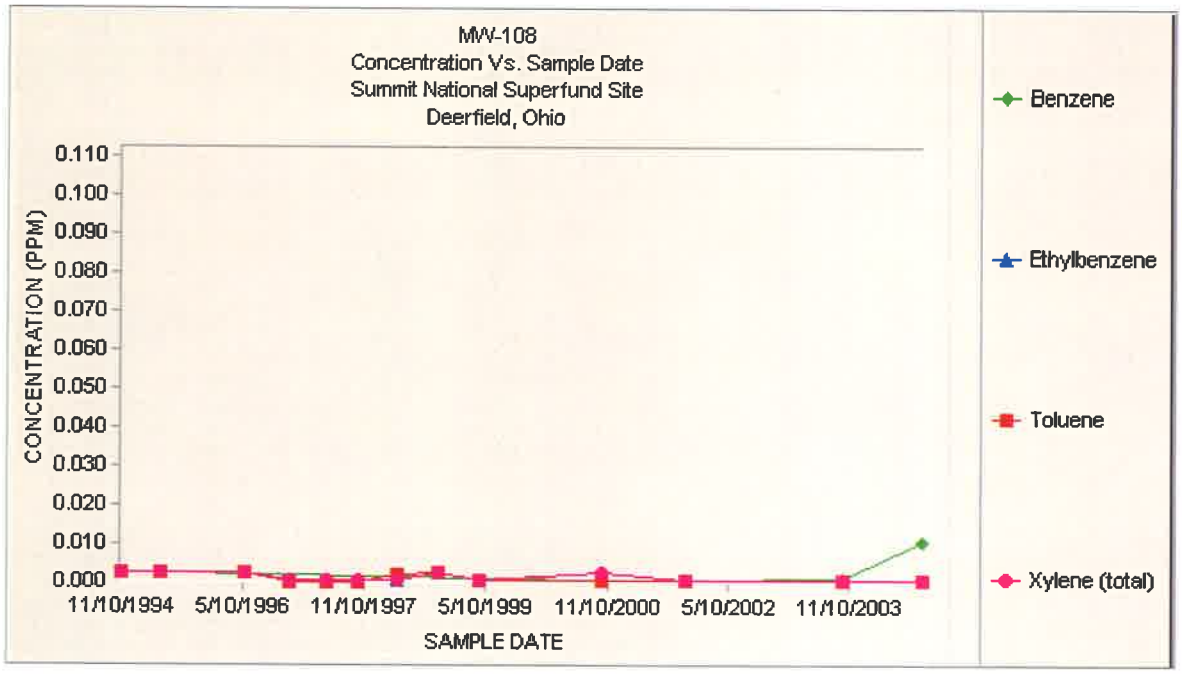
e:DAT FILE OF HISTORICAL GROUNDWATER MONITORING DATA

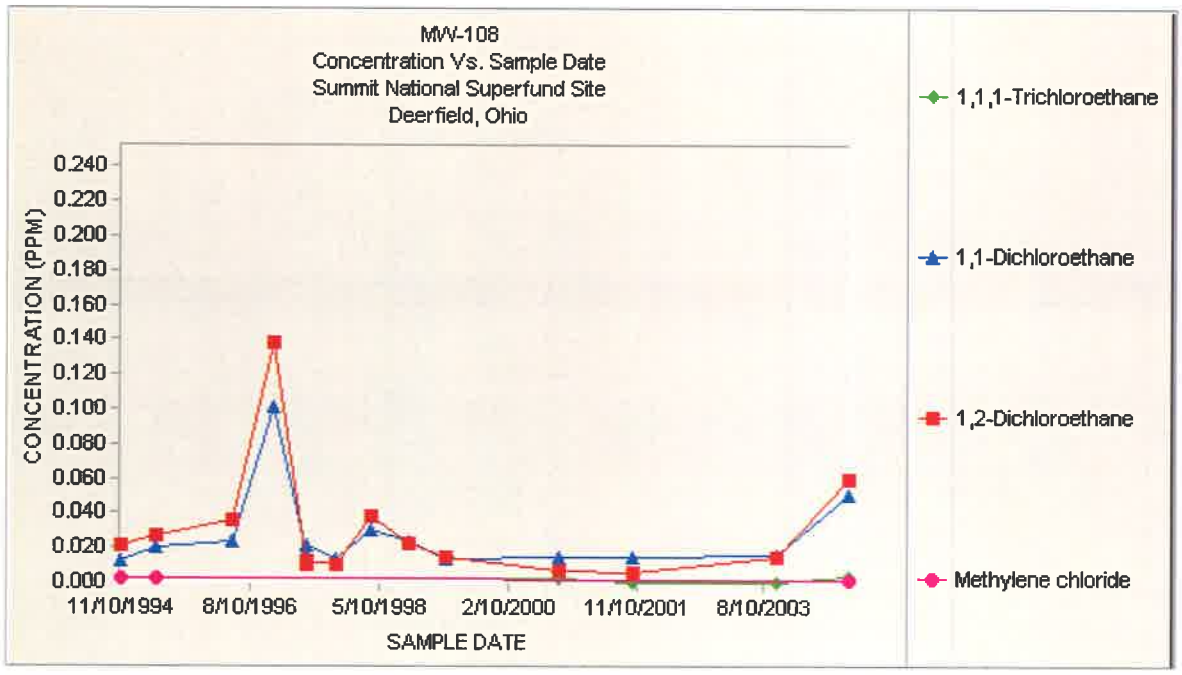

MW-107
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
10.000
9.000
8.000
7.000
6.000
5.000
4.000
3.000
2.000
1.000
0.000
11/14/1994
5/14/1996
11/14/1997
5/14/1999
11/14/2000
5/14/2002
11/14/2003
SAMPLE DATE
Benzene
Ethylbenzene
Toluene
Xylene (total)

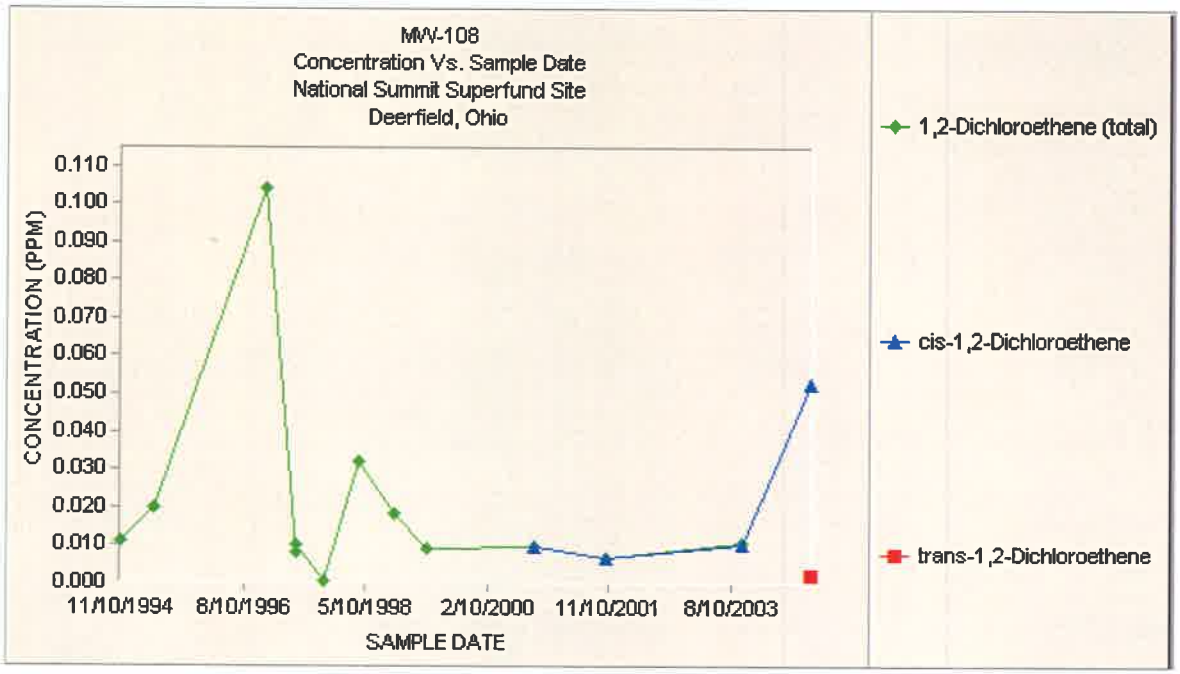

MW-107
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
11/14/1994
8/14/1996
5/14/1998
2/14/2000
11/14/2001
8/14/2003
SAMPLE DATE
1,1,1-Trichloroethane
1,1-Dichloroethane
1,2-Dichloroethane
Methylene chloride

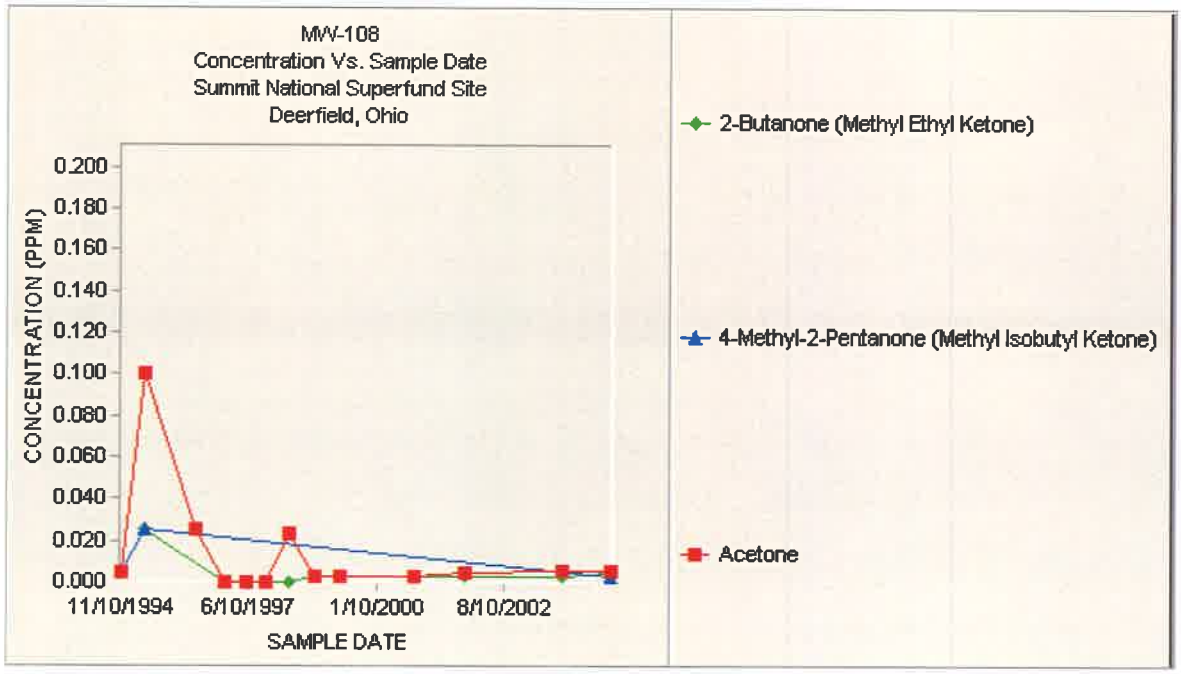

MW-107
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.390
0.360
0.330
0.300
0.270
0.240
0.210
0.180
0.150
0.120
0.090
0.060
0.030
0.000
11/14/1994
8/14/1996
5/14/1998
2/14/2000
11/14/2001
8/14/2003
SAMPLE DATE
1,2-Dichloroethene (total)
cis-1,2-Dichloroethene
trans-1,2-Dichloroethene

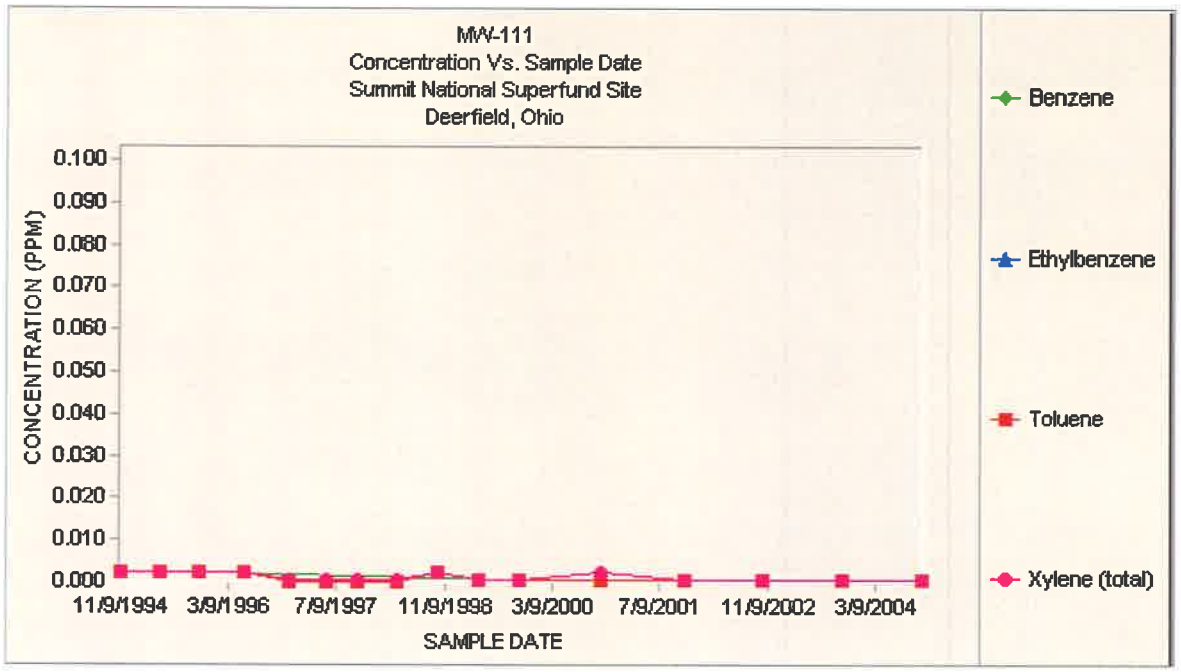

MW-107
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
36.000
33.000
30.000
27.000
24.000
21.000
18.000
15.000
12.000
9.000
6.000
3.000
0.000
11/14/1994
7/14/1997
3/14/2000
10/14/2002
SAMPLE DATE
2-Butanone (Methyl Ethyl Ketone)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)
Acetone

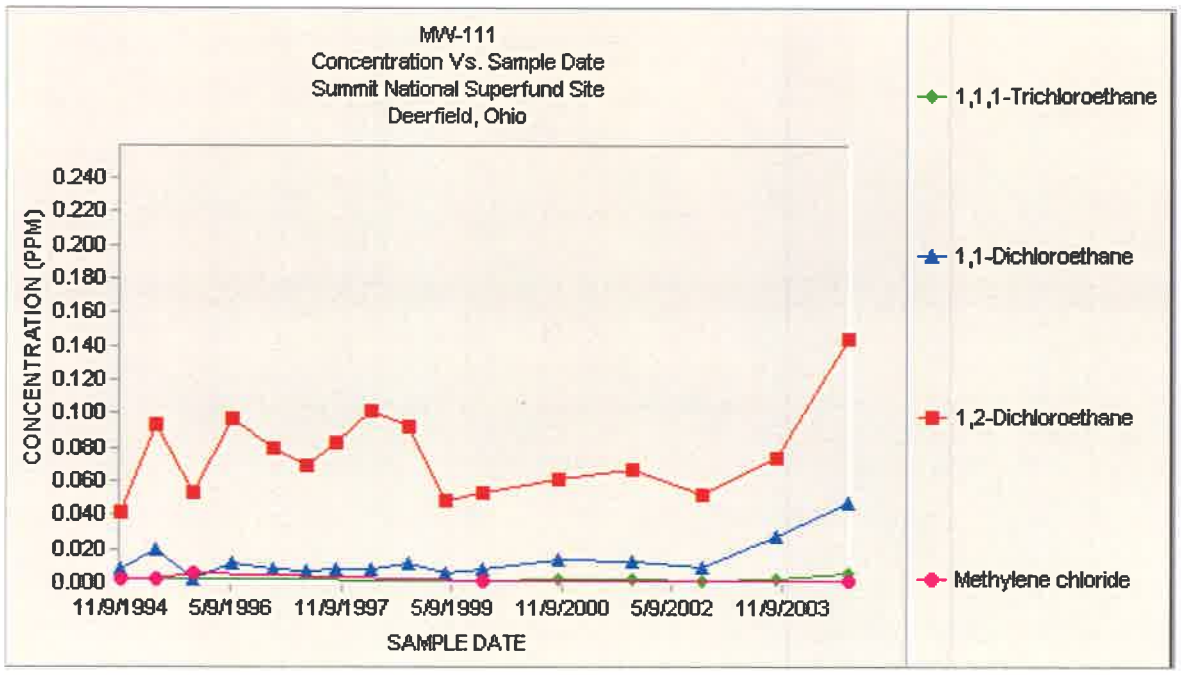

MW-108
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.110
0.100
0.090
0.080
0.070
0.060
0.050
0.040
0.030
0.020
0.010
0.000
11/10/1994
5/10/1996
11/10/1997
5/10/1999
11/10/2000
5/10/2002
11/10/2003
SAMPLE DATE
Benzene
Ethylbenzene
Toluene
Xylene (total)

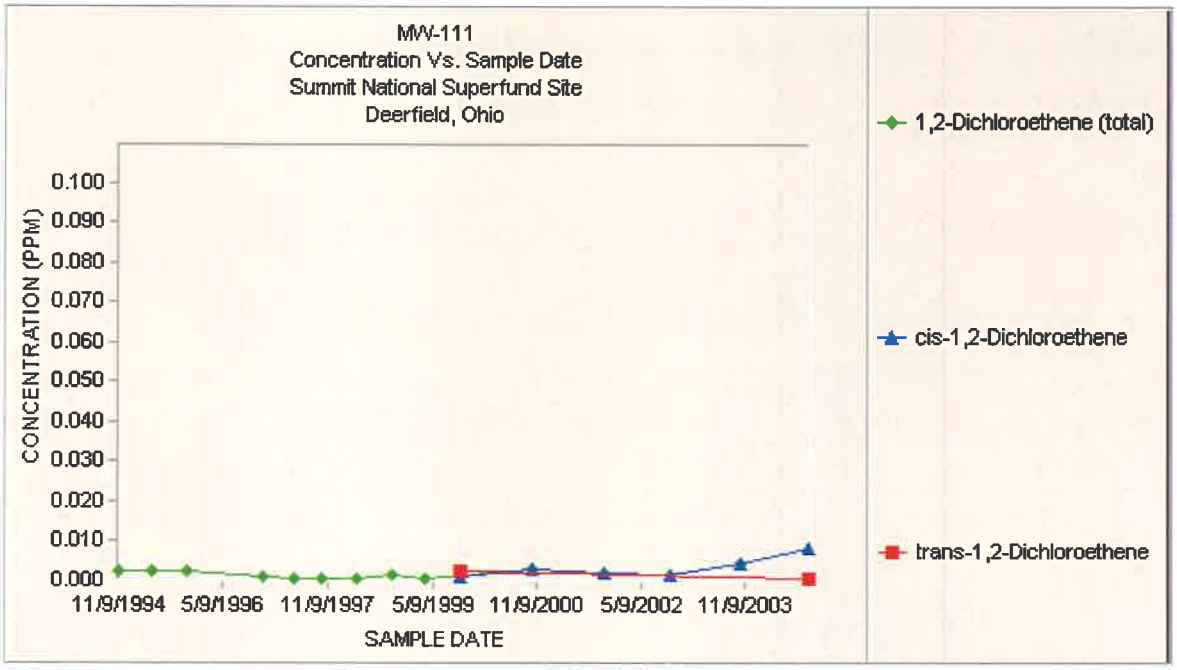

MW-108
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.240
0.220
0.200
0.180
0.160
0.140
0.120
0.100
0.080
0.060
0.040
0.020
0.000
11/10/1994
8/10/1996
5/10/1998
2/10/2000
11/10/2001
8/10/2003
SAMPLE DATE
1,1,1-Trichloroethane
1,1-Dichloroethane
1,2-Dichloroethane
Methylene chloride

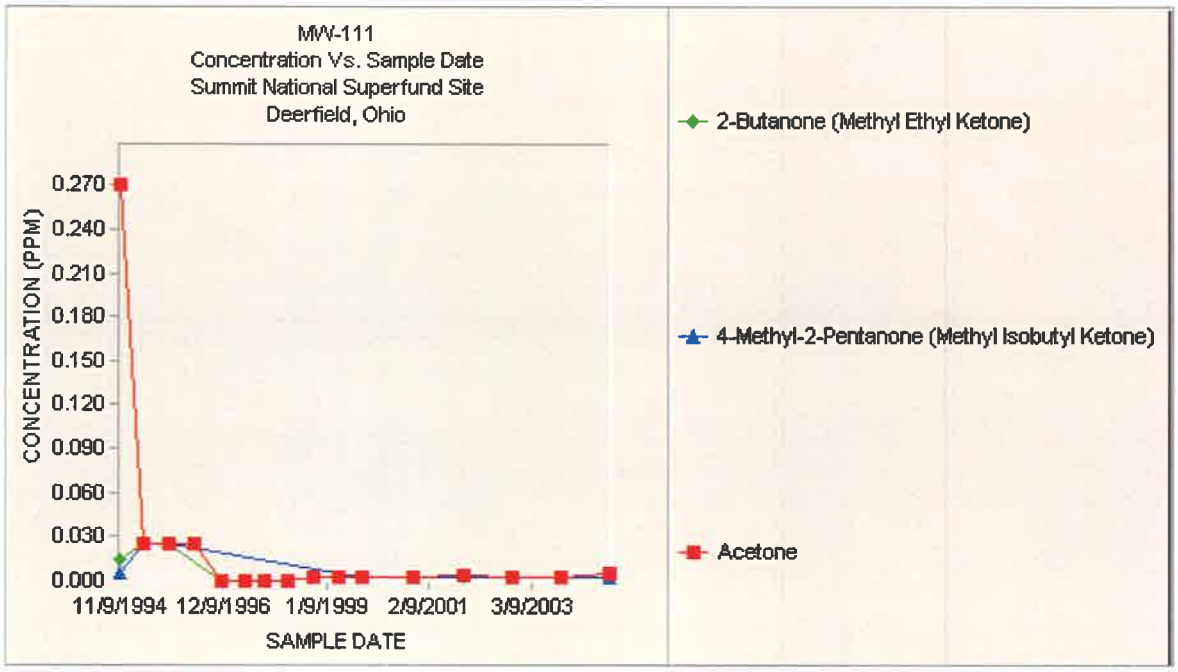

MW-108
Concentration Vs. Sample Date
National Summit Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.110
0.100
0.090
0.080
0.070
0.060
0.050
0.040
0.030
0.020
0.010
0.000
11/10/1994
8/10/1996
5/10/1998
2/10/2000
11/10/2001
8/10/2003
SAMPLE DATE
1,2-Dichloroethene (total)
cis-1,2-Dichloroethene
trans-1,2-Dichloroethene

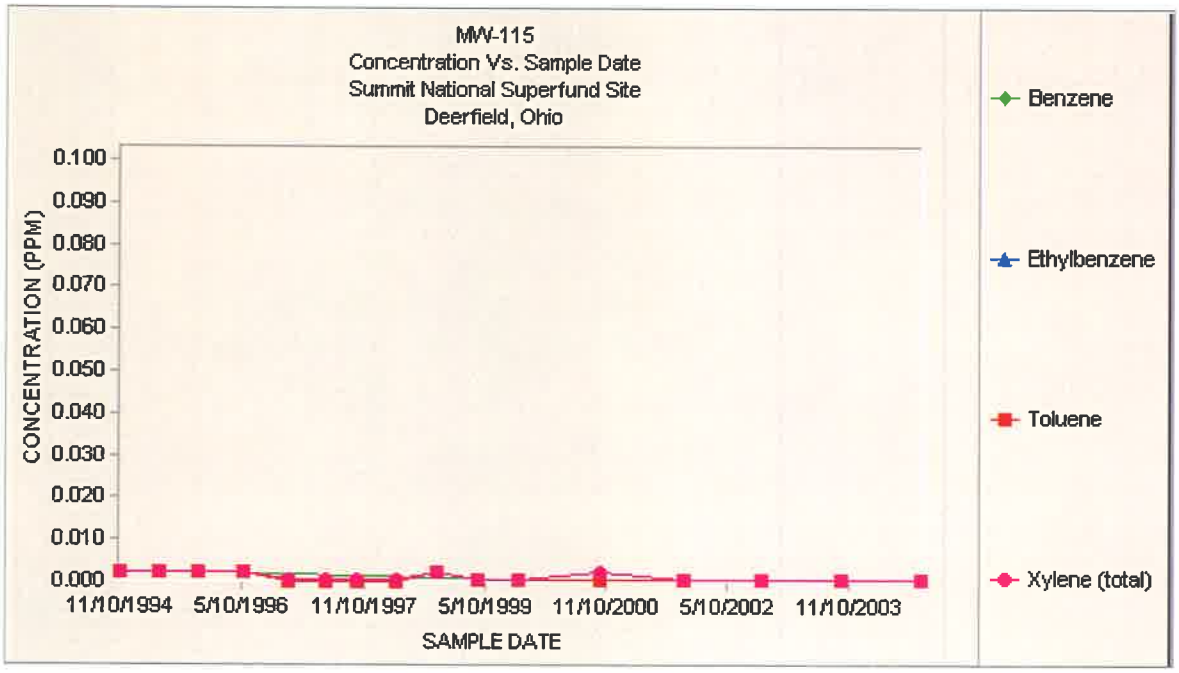

MW-108
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.200
0.180
0.160
0.140
0.120
0.100
0.080
0.060
0.040
0.020
0.000
11/10/1994
6/10/1997
1/10/2000
8/10/2002
SAMPLE DATE
2-Butanone (Methyl Ethyl Ketone)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)
Acetone

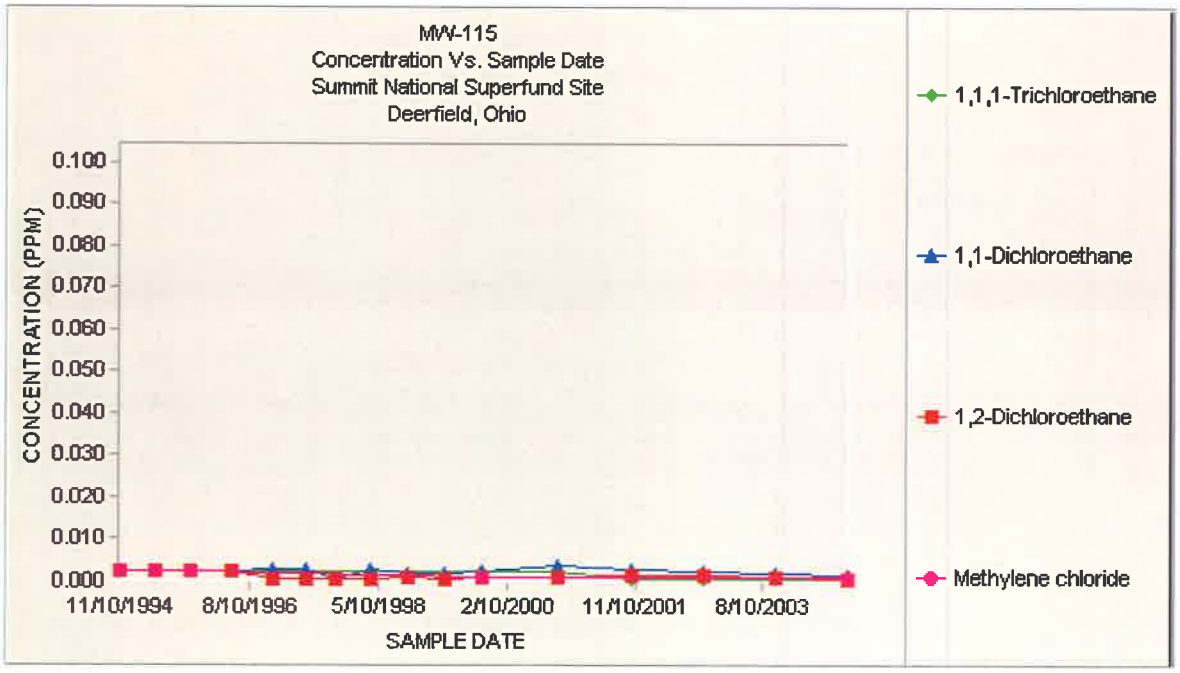

MW-111
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.100
0.090
0.080
0.070
0.060
0.050
0.040
0.030
0.020
0.010
0.000
11/9/1994
3/9/1996
7/9/1997
11/9/1998
3/9/2000
7/9/2001
11/9/2002
3/9/2004
SAMPLE DATE
Benzene
Ethylbenzene
Toluene
Xylene (total)

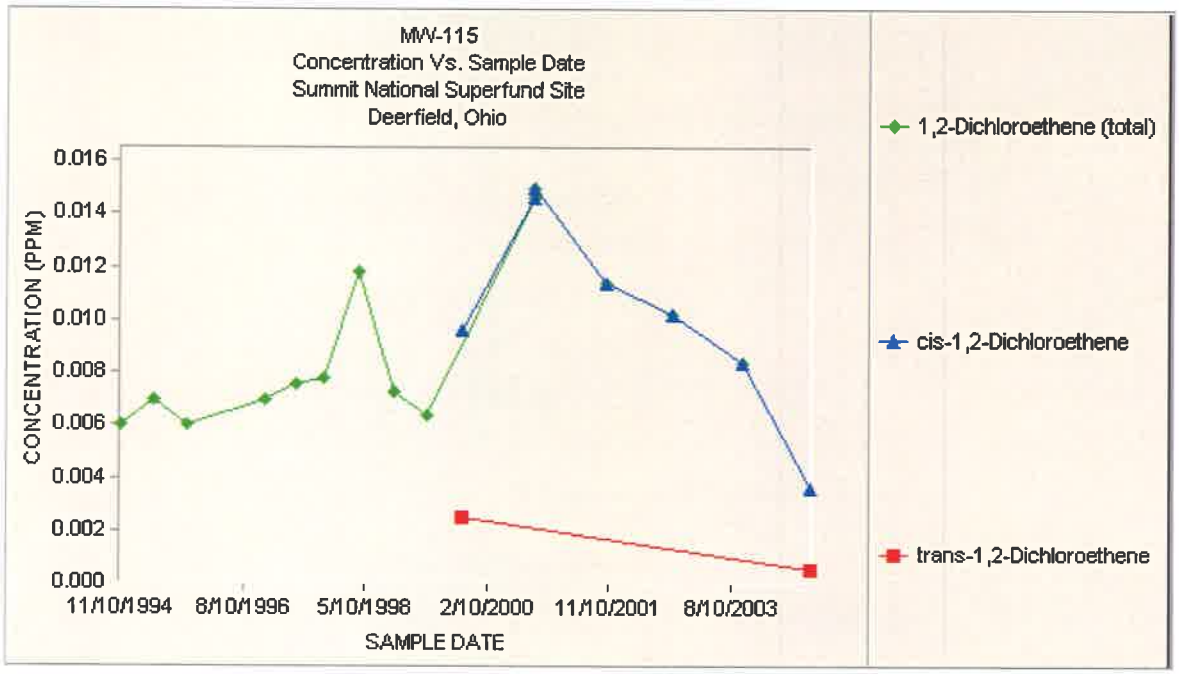

MW-111
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.240
0.220
0.200
0.180
0.160
0.140
0.120
0.100
0.080
0.060
0.040
0.020
0.000
11/9/1994
5/9/1996
11/9/1997
5/9/1999
11/9/2000
5/9/2002
11/9/2003
SAMPLE DATE
1,1,1-Trichloroethane
1,1-Dichloroethane
1,2-Dichloroethane
Methylene chloride

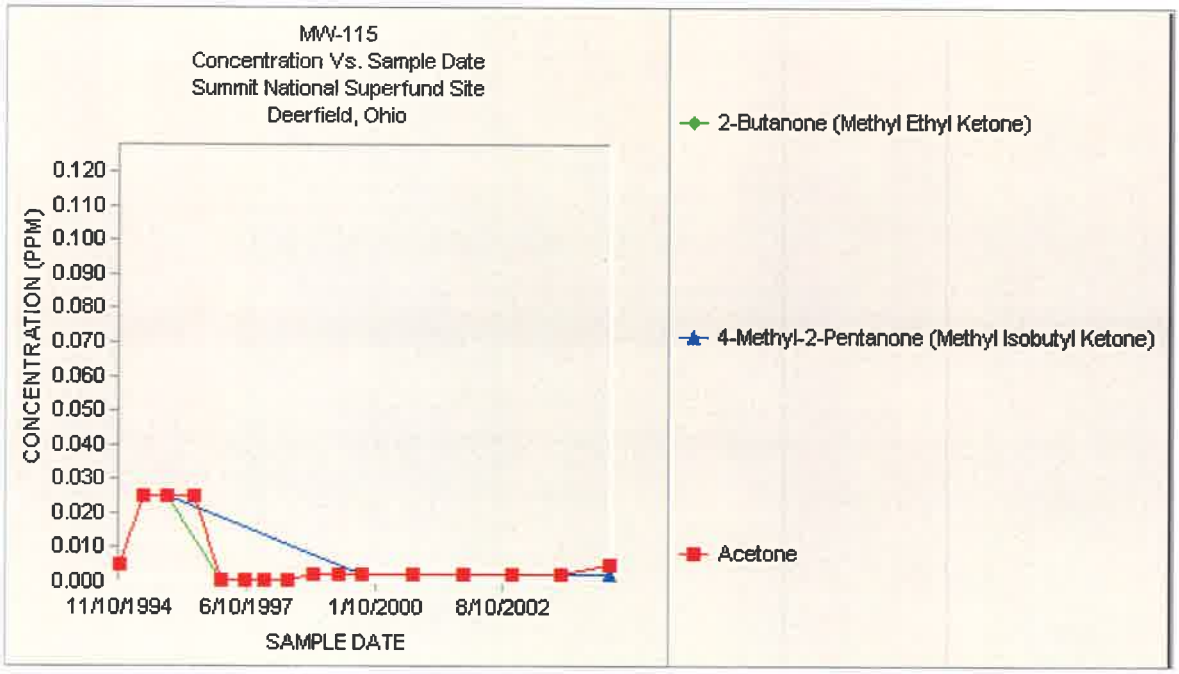

MW-111
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.100
0.090
0.080
0.070
0.060
0.050
0.040
0.030
0.020
0.010
0.000
11/9/1994
5/9/1996
11/9/1997
5/9/1999
11/9/2000
5/9/2002
11/9/2003
SAMPLE DATE
1,2-Dichloroethene (total)
cis-1,2-Dichloroethene
trans-1,2-Dichloroethene

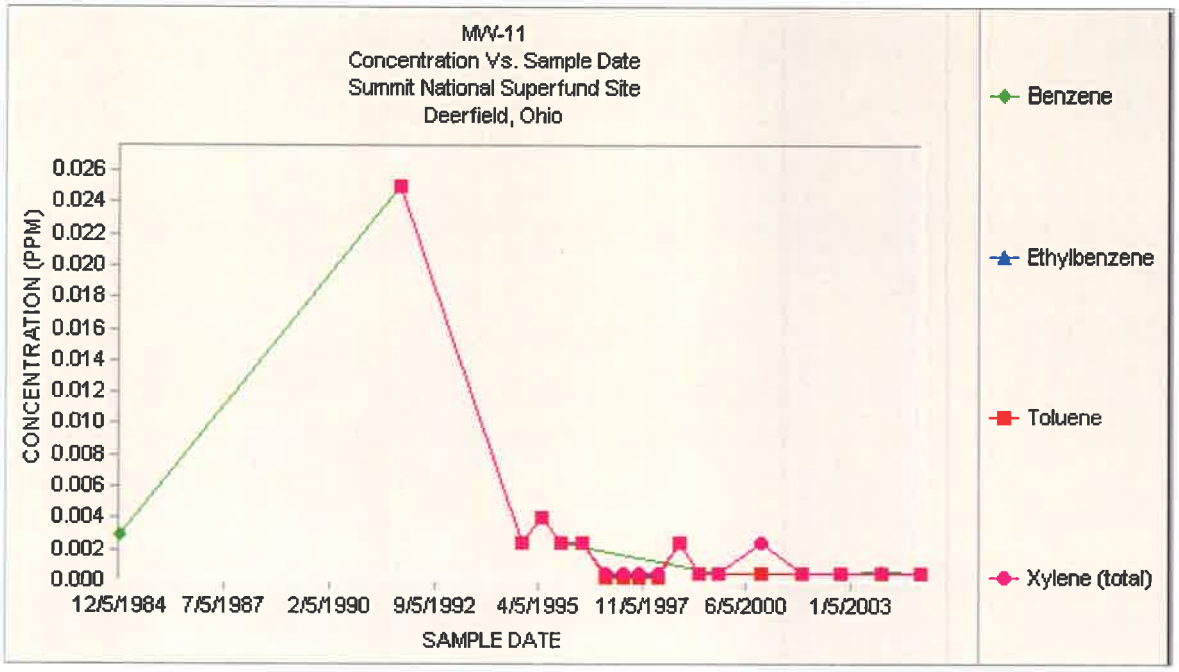

MW-111
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.270
0.240
0.210
0.180
0.150
0.120
0.090
0.060
0.030
0.000
11/9/1994
12/9/1996
1/9/1999
2/9/2001
3/9/2003
SAMPLE DATE
2-Butanone (Methyl Ethyl Ketone)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)
Acetone

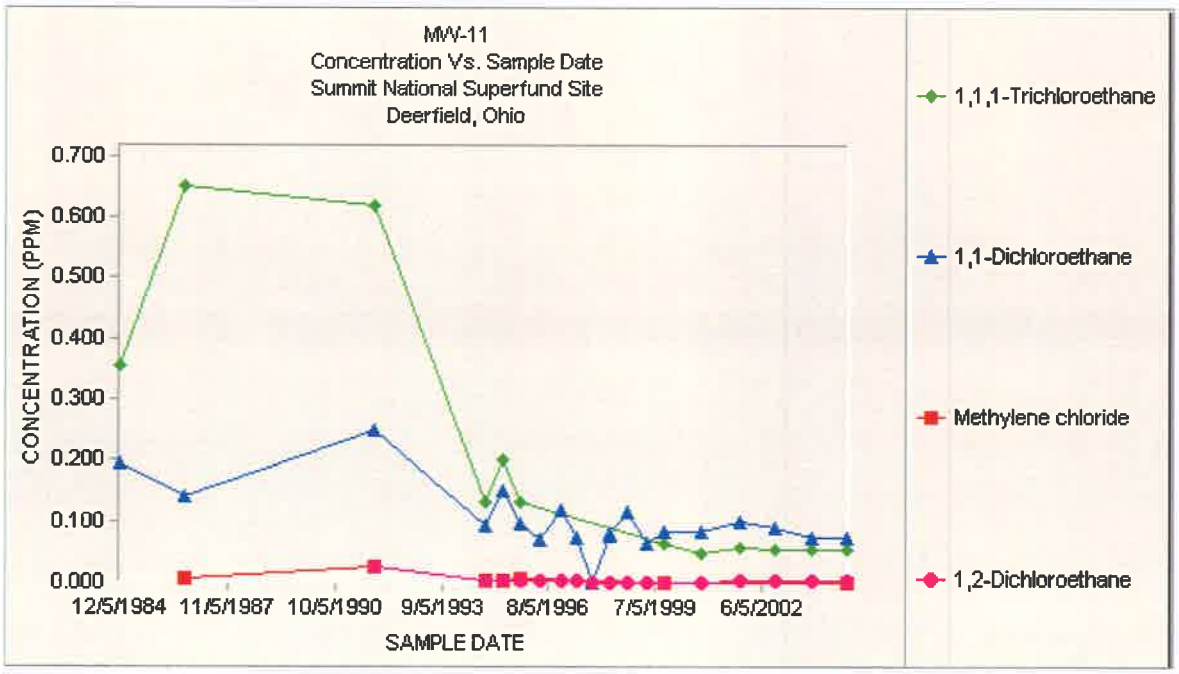

MW-115
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.100
0.090
0.080
0.070
0.060
0.050
0.040
0.030
0.020
0.010
0.000
11/10/1994
5/10/1996
11/10/1997
5/10/1999
11/10/2000
5/10/2002
11/10/2003
SAMPLE DATE
Benzene
Ethylbenzene
Toluene
Xylene (total)

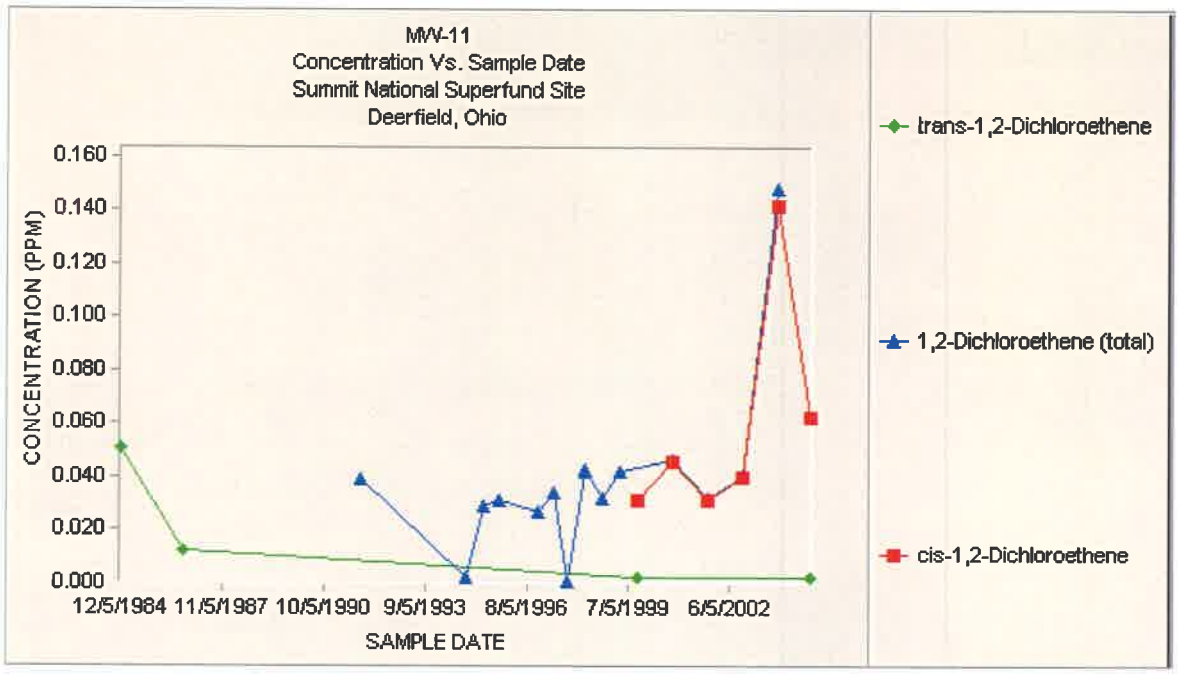

MW-115
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.100
0.090
0.080
0.070
0.060
0.050
0.040
0.030
0.020
0.010
0.000
11/10/1994
8/10/1996
5/10/1998
2/10/2000
11/10/2001
8/10/2003
SAMPLE DATE
1,1,1-Trichloroethane
1,1-Dichloroethane
1,2-Dichloroethane
Methylene chloride

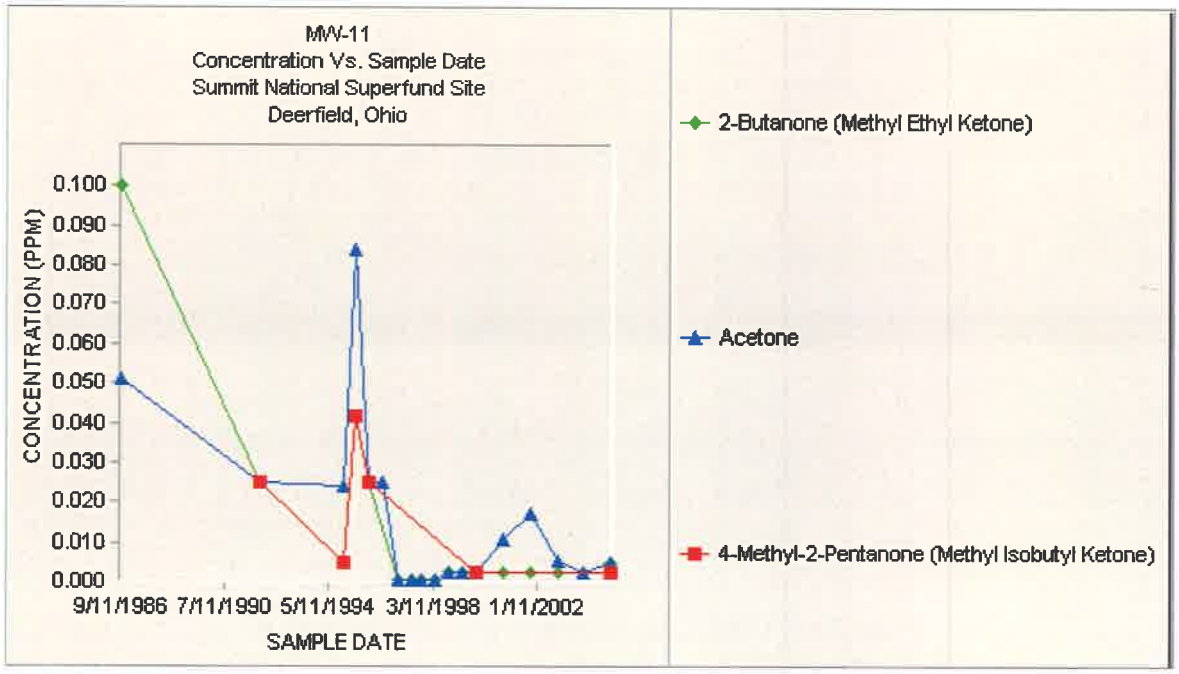

MW-115
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.016
0.014
0.012
0.010
0.008
0.006
0.004
0.002
0.000
11/10/1994
8/10/1996
5/10/1998
2/10/2000
11/10/2001
8/10/2003
SAMPLE DATE
1,2-Dichloroethene (total)
cis-1,2-Dichloroethene
trans-1,2-Dichloroethene

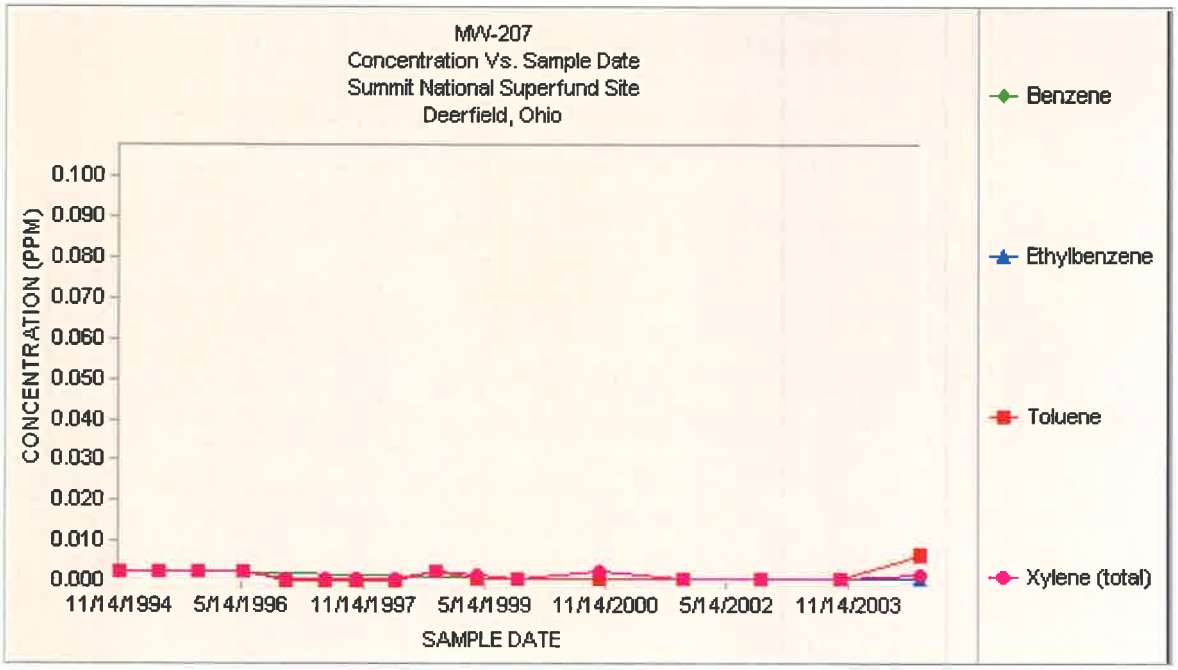

MW-115
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.120
0.110
0.100
0.090
0.080
0.070
0.060
0.050
0.040
0.030
0.020
0.010
0.000
11/10/1994
6/10/1997
1/10/2000
8/10/2002
SAMPLE DATE
2-Butanone (Methyl Ethyl Ketone)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)
Acetone

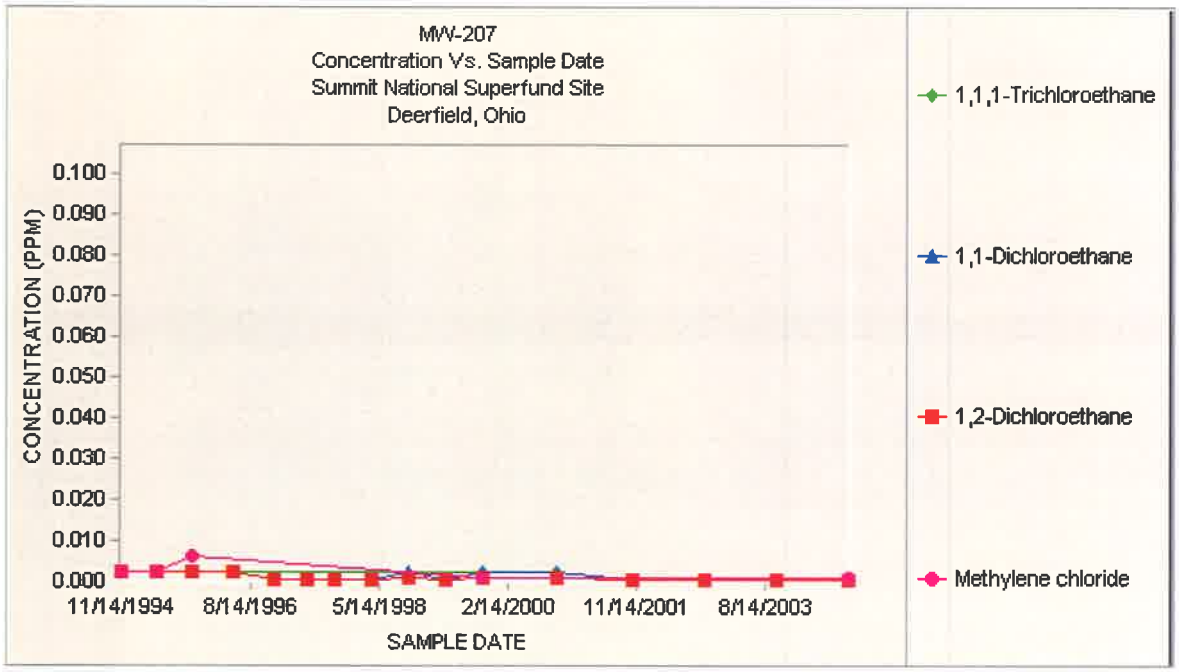

MW-11
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.026
0.024
0.022
0.020
0.018
0.016
0.014
0.012
0.010
0.008
0.006
0.004
0.002
0.000
12/5/1984
7/5/1987
2/5/1990
9/5/1992
4/5/1995
11/5/1997
6/5/2000
1/5/2003
SAMPLE DATE
Benzene
Ethylbenzene
Toluene
Xylene (total)

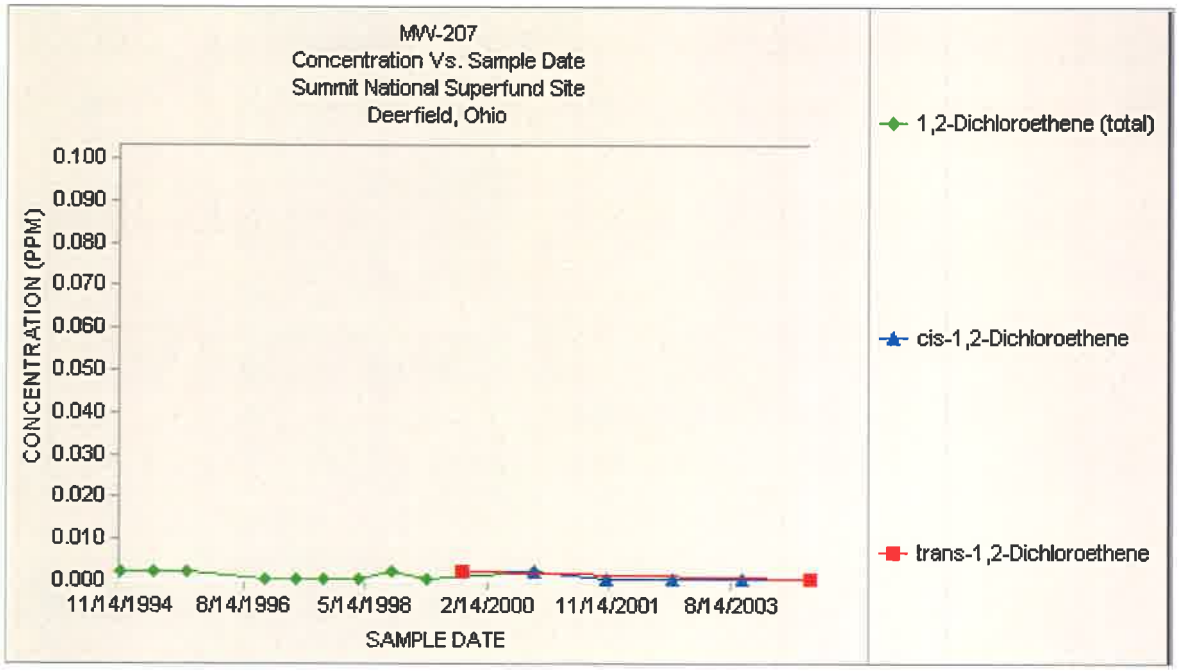

MW-11
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.700
0.600
0.500
0.400
0.300
0.200
0.100
0.000
12/5/1984
11/5/1987
10/5/1990
9/5/1993
8/5/1996
7/5/1999
6/5/2002
SAMPLE DATE
1,1,1-Trichloroethane
1,1-Dichloroethane
Methylene chloride
1,2-Dichloroethane

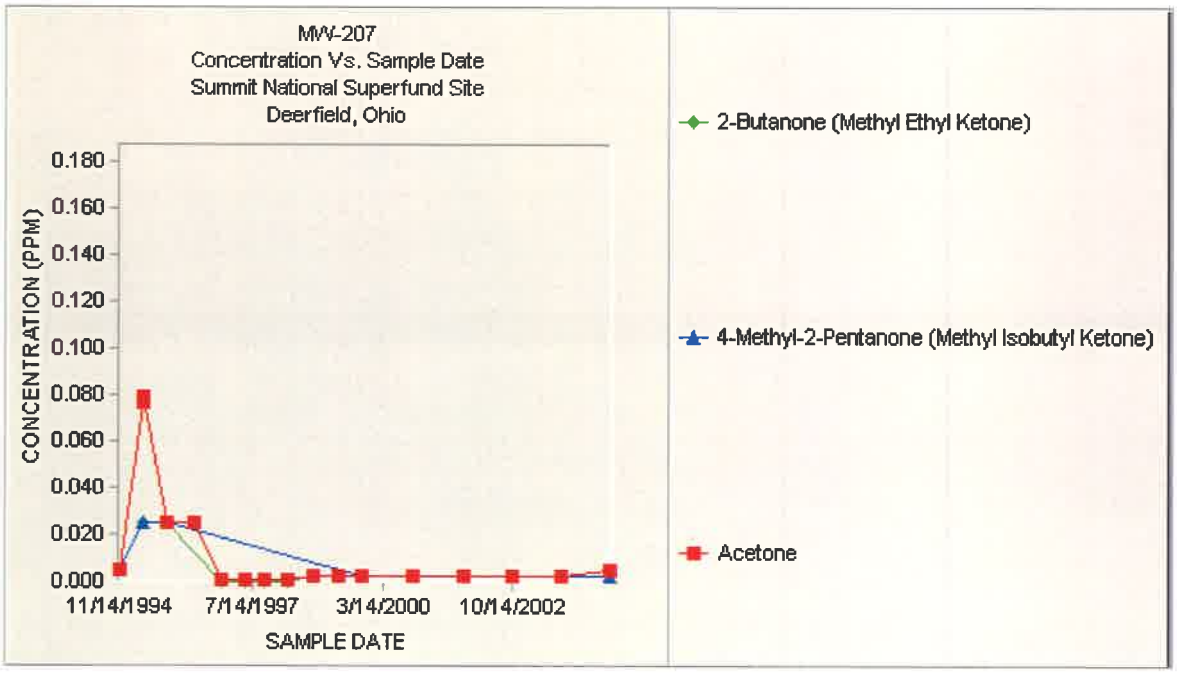

MW-11
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.160
0.140
0.120
0.100
0.080
0.060
0.040
0.020
0.000
12/5/1984 11/5/1987 10/5/1990 9/5/1993 8/5/1996 7/5/1999 6/5/2002
SAMPLE DATE
trans-1,2-Dichloroethene
1,2-Dichloroethene (total)
cis-1,2-Dichloroethene

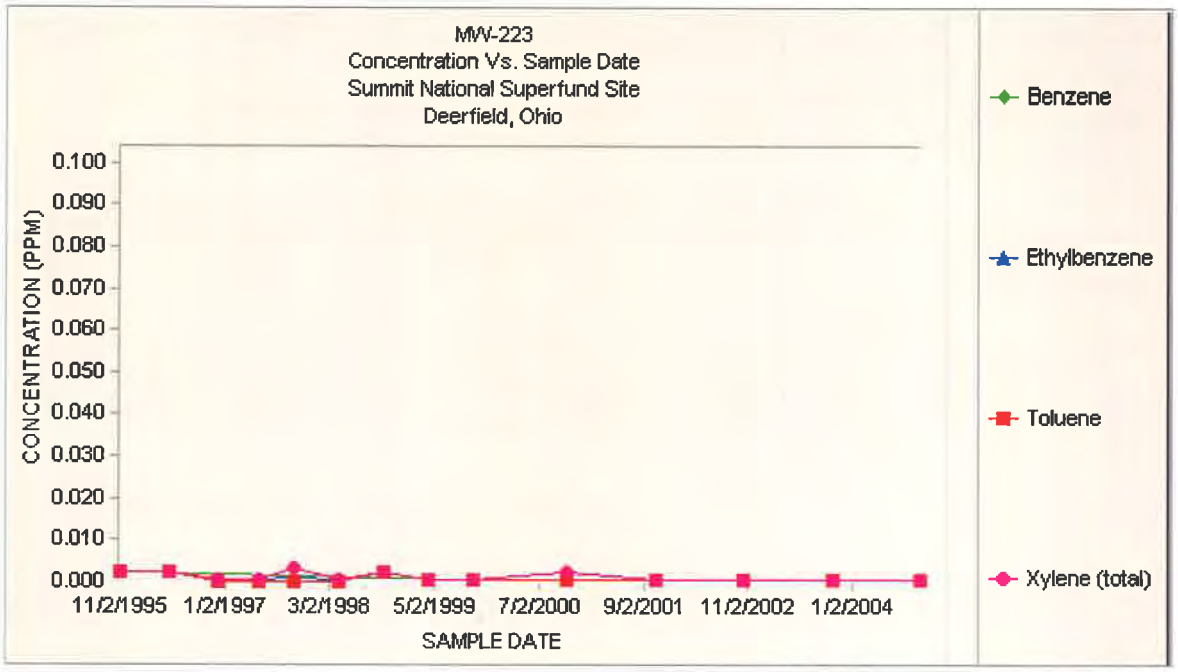

MW-11
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.100
0.090
0.080
0.070
0.060
0.050
0.040
0.030
0.020
0.010
0.000
9/11/1986 7/11/1990 5/11/1994 3/11/1998 1/11/2002
SAMPLE DATE
2-Butanone (Methyl Ethyl Ketone)
Acetone
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)

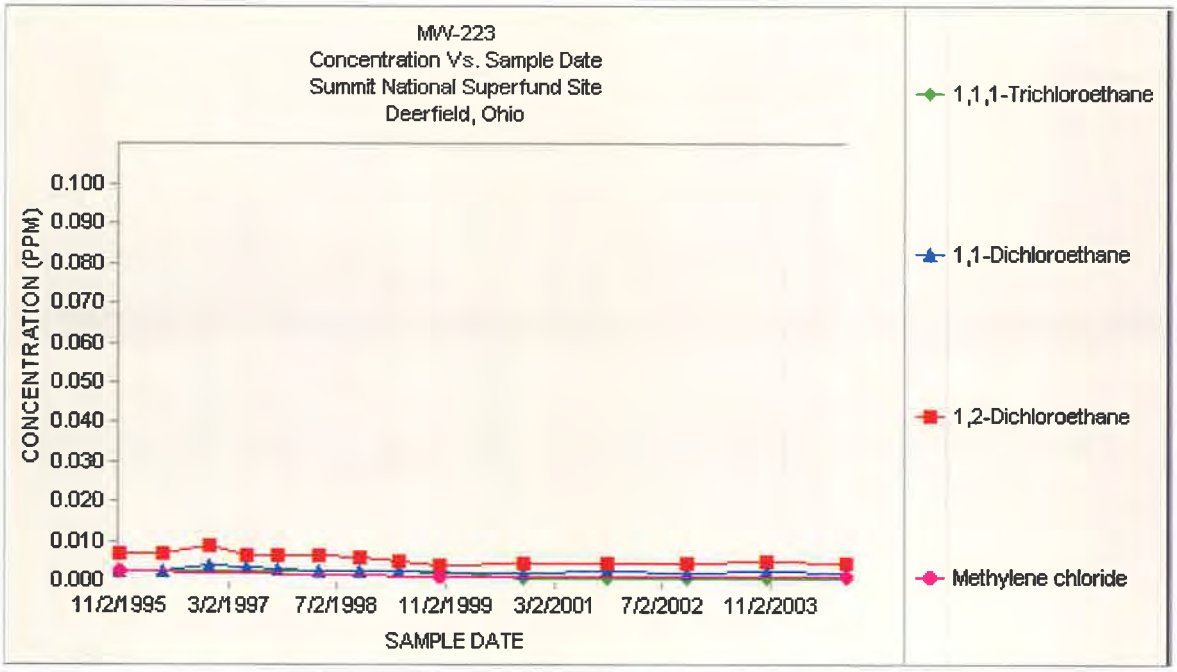

MW-207
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.100
0.090
0.080
0.070
0.060
0.050
0.040
0.030
0.020
0.010
0.000
11/14/1994
5/14/1996
11/14/1997
5/14/1999
11/14/2000
5/14/2002
11/14/2003
SAMPLE DATE
Benzene
Ethylbenzene
Toluene
Xylene (total)

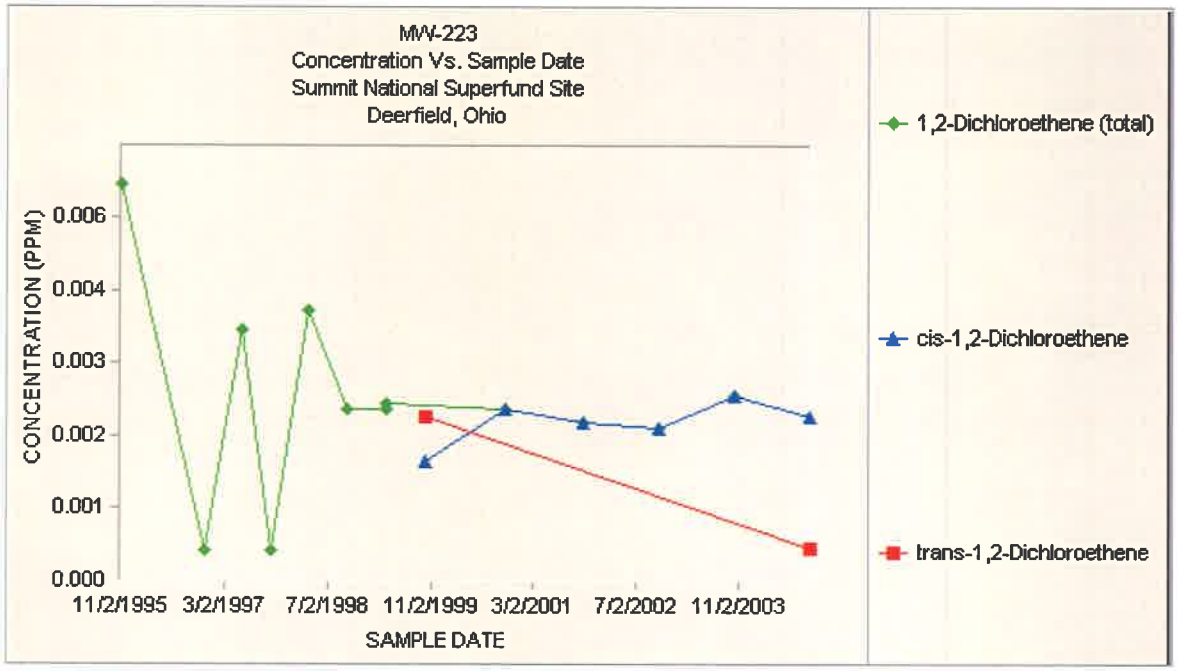

MW-207
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.100
0.090
0.080
0.070
0.060
0.050
0.040
0.030
0.020
0.010
0.000
11/14/1994
8/14/1996
5/14/1998
2/14/2000
11/14/2001
8/14/2003
SAMPLE DATE
1,1,1-Trichloroethane
1,1-Dichloroethane
1,2-Dichloroethane
Methylene chloride

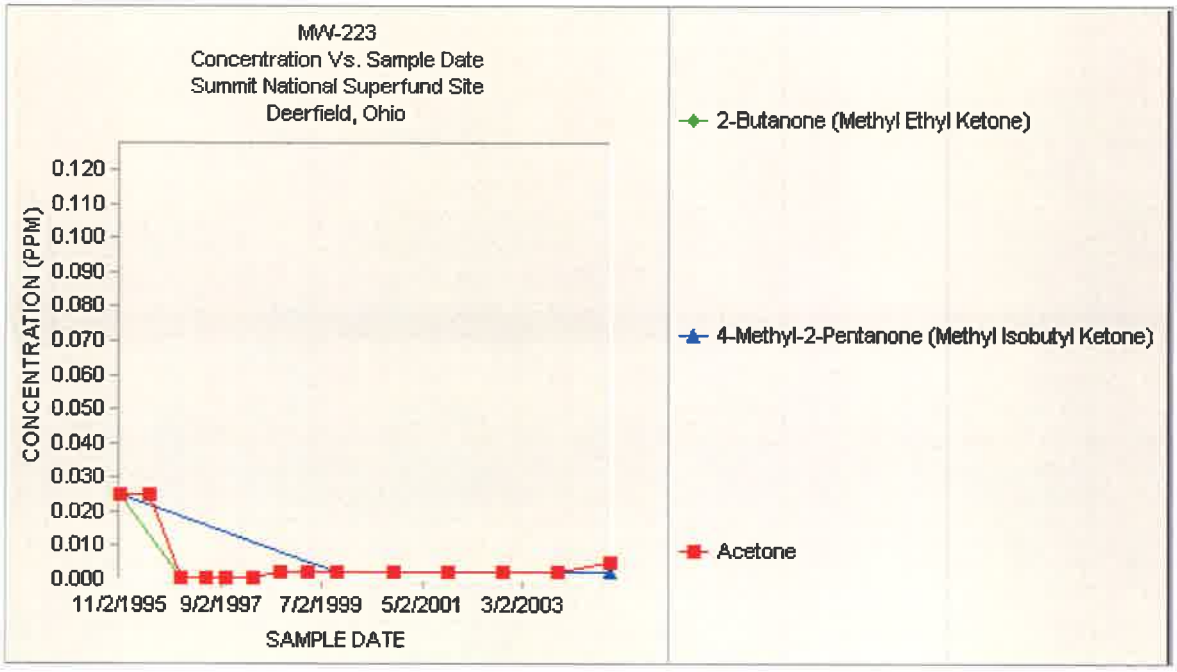

MW-207
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.100
0.090
0.080
0.070
0.060
0.050
0.040
0.030
0.020
0.010
0.000
11/14/1994
8/14/1996
5/14/1998
2/14/2000
11/14/2001
8/14/2003
SAMPLE DATE
1,2-Dichloroethene (total)
cis-1,2-Dichloroethene
trans-1,2-Dichloroethene

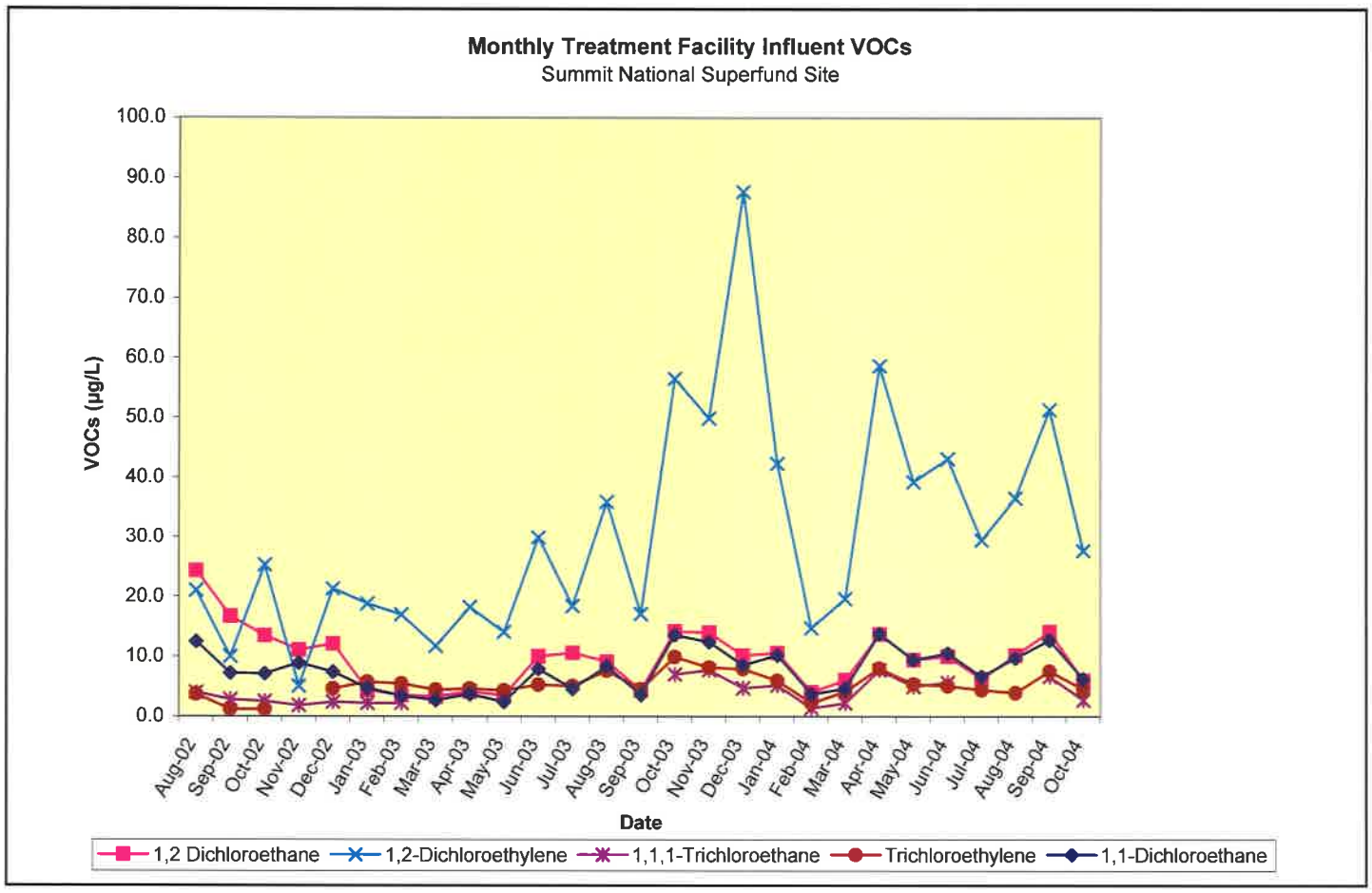

MW-207
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.180
0.160
0.140
0.120
0.100
0.080
0.060
0.040
0.020
0.000
11/14/1994
7/14/1997
3/14/2000
10/14/2002
SAMPLE DATE
2-Butanone (Methyl Ethyl Ketone)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)
Acetone


MW-223
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.100
0.090
0.080
0.070
0.060
0.050
0.040
0.030
0.020
0.010
0.000
11/2/1995
1/2/1997
3/2/1998
5/2/1999
7/2/2000
9/2/2001
11/2/2002
1/2/2004
SAMPLE DATE
Benzene
Ethylbenzene
Toluene
Xylene (total)


MW-223
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.100
0.090
0.080
0.070
0.060
0.050
0.040
0.030
0.020
0.010
0.000
11/2/1995
3/2/1997
7/2/1998
11/2/1999
3/2/2001
7/2/2002
11/2/2003
SAMPLE DATE
1,1,1-Trichloroethane
1,1-Dichloroethane
1,2-Dichloroethane
Methylene chloride


MW-223
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.006
0.004
0.003
0.002
0.001
0.000
11/2/1995
3/2/1997
7/2/1998
11/2/1999
3/2/2001
7/2/2002
11/2/2003
SAMPLE DATE
1,2-Dichloroethene (total)
cis-1,2-Dichloroethene
trans-1,2-Dichloroethene


MW-223
Concentration Vs. Sample Date
Summit National Superfund Site
Deerfield, Ohio
CONCENTRATION (PPM)
0.120
0.110
0.100
0.090
0.080
0.070
0.060
0.050
0.040
0.030
0.020
0.010
0.000
11/2/1995
9/2/1997
7/2/1999
5/2/2001
3/2/2003
SAMPLE DATE
2-Butanone (Methyl Ethyl Ketone)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)
Acetone


Monthly Treatment Facility Influent VOCs
Summit National Superfund Site
VOCs (µg/L)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Aug-02
Sep-02
Oct-02
Nov-02
Dec-02
Jan-03
Feb-03
Mar-03
Apr-03
May-03
Jun-03
Jul-03
Aug-03
Sep-03
Oct-03
Nov-03
Dec-03
Jan-04
Feb-04
Mar-04
Apr-04
May-04
Jun-04
Jul-04
Aug-04
Sep-04
Oct-04
Date
1,2 Dichloroethane
1,2-Dichloroethylene
1,1,1-Trichloroethane
Trichloroethylene
1,1-Dichloroethane

ATTACHMENT E

GROUNDWATER ELEVATIONS AND CONTOURS

OCTOBER 2004
GROUNDWATER ELEVATIONS
WATER TABLE UNIT MONITORING WELLS
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD, OHIO

WELL DESIGNATION	*REFERENCE ELEVATION*	*GROUNDWATER*	
		10/4/2004	
		Level	*Elev.*
	ft. AMSL	*ft.*	*ft. AMSL*
MW-4	1091.09	7.68	1,083.41
MW-11	1,095.93	13.32	1,082.61
MW-101	1,107.57	8.35	1,099.22
MW-102	1,100.17	4.96	1,095.21
MW-103	1,096.22	2.78	1,093.44
MW-104	1,099.81	16.70	1,083.11
MW-105	1,101.32	18.24	1,083.08
MW-106	1,102.88	18.58	1,084.30
MW-107	1,098.27	12.26	1,086.01
MW-108	1,091.96	9.44	1,082.52
MW-109	1,087.42	4.57	1,082.85
MW-110	1,086.87	8.28	1,078.59
MW-111	1,099.67	16.97	1,082.70
MW-113	1,088.46	7.77	1,080.69
MW-114	1,097.27	10.83	1,086.44
MW-115	1,101.83	18.73	1,083.10
MW-116	1,105.54	22.73	1,082.81
MW-117	1,123.97	44.78	1,079.19
MW-118	1,098.38	24.97	1,073.41
PZ-1	1,104.43	8.38	1,096.05
PZ-101	1,108.53	14.00	1,094.53
PZ-102	1,100.21	9.78	1,090.43
PZ-103	1,093.98	7.20	1,086.78
PZ-104	1,097.54	12.27	1,085.27
PZ-105	1,101.60	20.27	1,081.33
PZ-106	1,102.23	24.07	1,078.16
MH-1	1102.78	19.77	1,083.01
MH-2	1101.04	18.07	1,082.97
MH-3	1100.95	18.00	1,082.95
MH-4	1100.05	17.12	1,082.93
MH-5	1095.68	13.42	1,082.26
MH-6	1088.64	6.40	1,082.24
MH-7	1089.29	7.00	1,082.29
MH-8	1089.23	6.92	1,082.31
WET WELL	1098.86	16.63	1,082.23

OCTOBER 2004
GROUNDWATER ELEVATIONS
UPPER INTERMEDIATE UNIT MONITORING WELLS
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD, OHIO

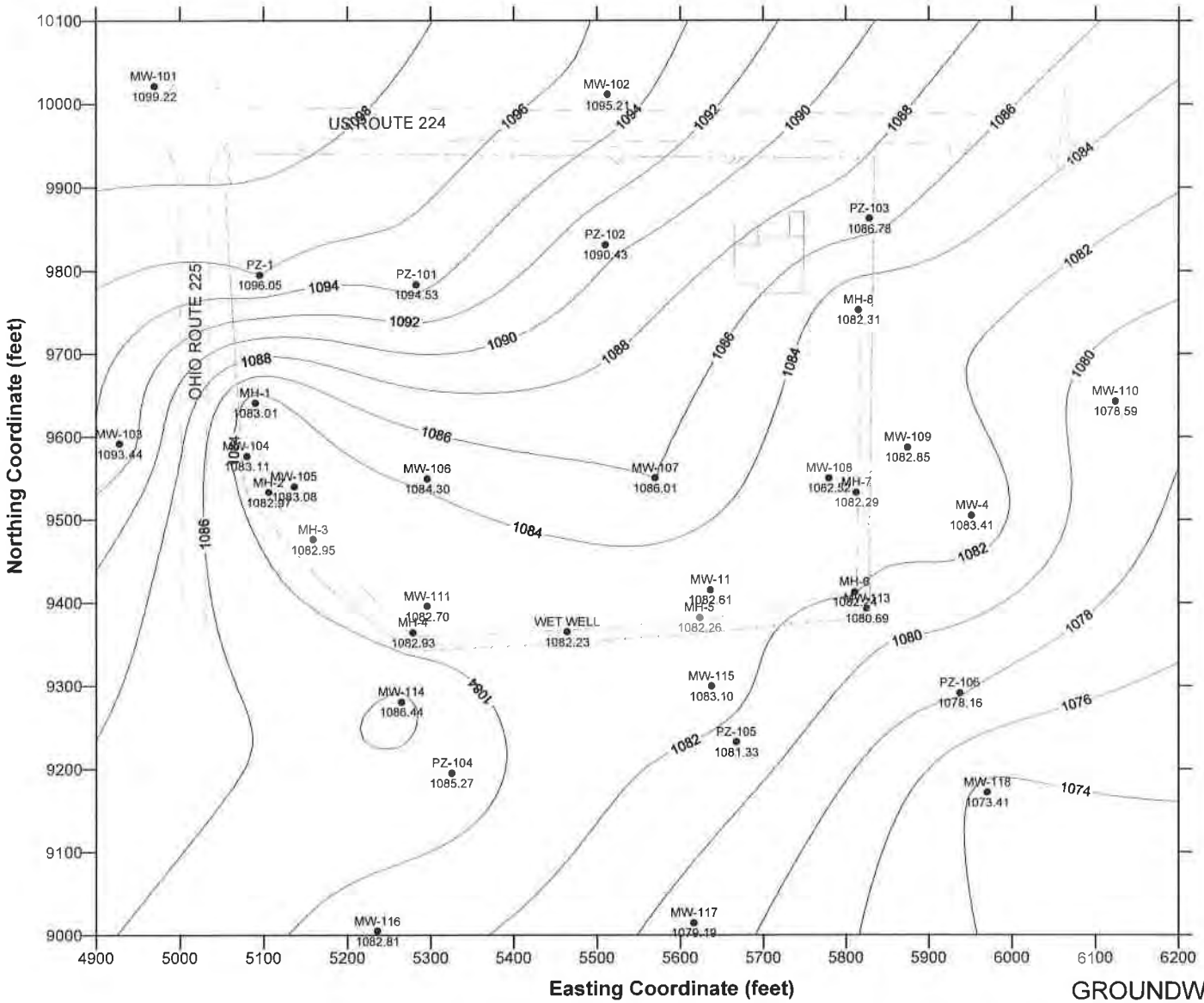
WELL DESIGNATION	*REFERENCE ELEVATION*	*GROUNDWATER*	
		10/4/2004	
		Level	*Elev.*
	ft. AMSL	*ft.*	*ft. AMSL*
MW-201	1,107.52	11.79	1,095.73
MW-202	1,099.50	28.14	1,071.36
MW-203	1,103.35	10.17	1,093.18
MW-204	1,098.01	12.08	1,085.93
MW-205	1,100.90	19.79	1,081.11
MW-206	1,103.22	31.41	1,071.81
MW-207	1,098.51	12.88	1,085.63
MW-209	1,087.66	7.02	1,080.64
MW-219	1,108.24	21.15	1,087.09
MW-220	1,090.92	8.50	1,082.42
MW-223	1,098.37	15.20	1,083.17
MW-224	1,089.41	13.79	1,075.62
PZ-201	1,099.74	15.48	1,084.26
PZ-202	1,101.56	16.71	1,084.85
PZ-203	1,098.31	15.44	1,082.87
PZ-204	1,095.41	11.87	1,083.54
PZ-205	1,096.63	13.61	1,083.02
PZ-206	1,088.05	13.88	1,074.17
PZ-207	1,091.36	10.38	1,080.98

OCTOBER 2004
GROUNDWATER ELEVATIONS
LOWER INTERMEDIATE UNIT MONITORING WELLS
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD, OHIO

WELL DESIGNATION	*REFERENCE ELEVATION*	*GROUNDWATER*	
		10/4/2004	
		Level	*Elev.*
	ft. AMSL	*ft.*	*ft. AMSL*
MW-301	1107.91	31.73	1,076.18
MW-302	1100.39	29.76	1,070.63
MW-303	1103.15	32.31	1,070.84
MW-304	1097.73	17.17	1,080.56
MW-305	1101.22	31.93	1,069.29
MW-306	1103.14	33.61	1,069.53
MW-307	1098.83	29.04	1,069.79
MW-309	1087.81	17.95	1,069.86
MW-319	1108.07	21.13	1,086.94
MW-320	1091.14	20.23	1,070.91
MW-321	1095.32	25.53	1,069.79
MW-322	1098.88	17.45	1,081.43
MW-323	1097.51	29.12	1,068.39
MW-324	1089.39	18.15	1,071.24
PZ-301	1100.07	20.20	1,079.87
PZ-302	1101.25	31.74	1,069.51
PZ-303	1098.39	29.78	1,068.61
PZ-305	1096.49	27.17	1,069.32
PZ-306	1088.35	15.70	1,072.65
PZ-307	1091.40	16.64	1,074.76

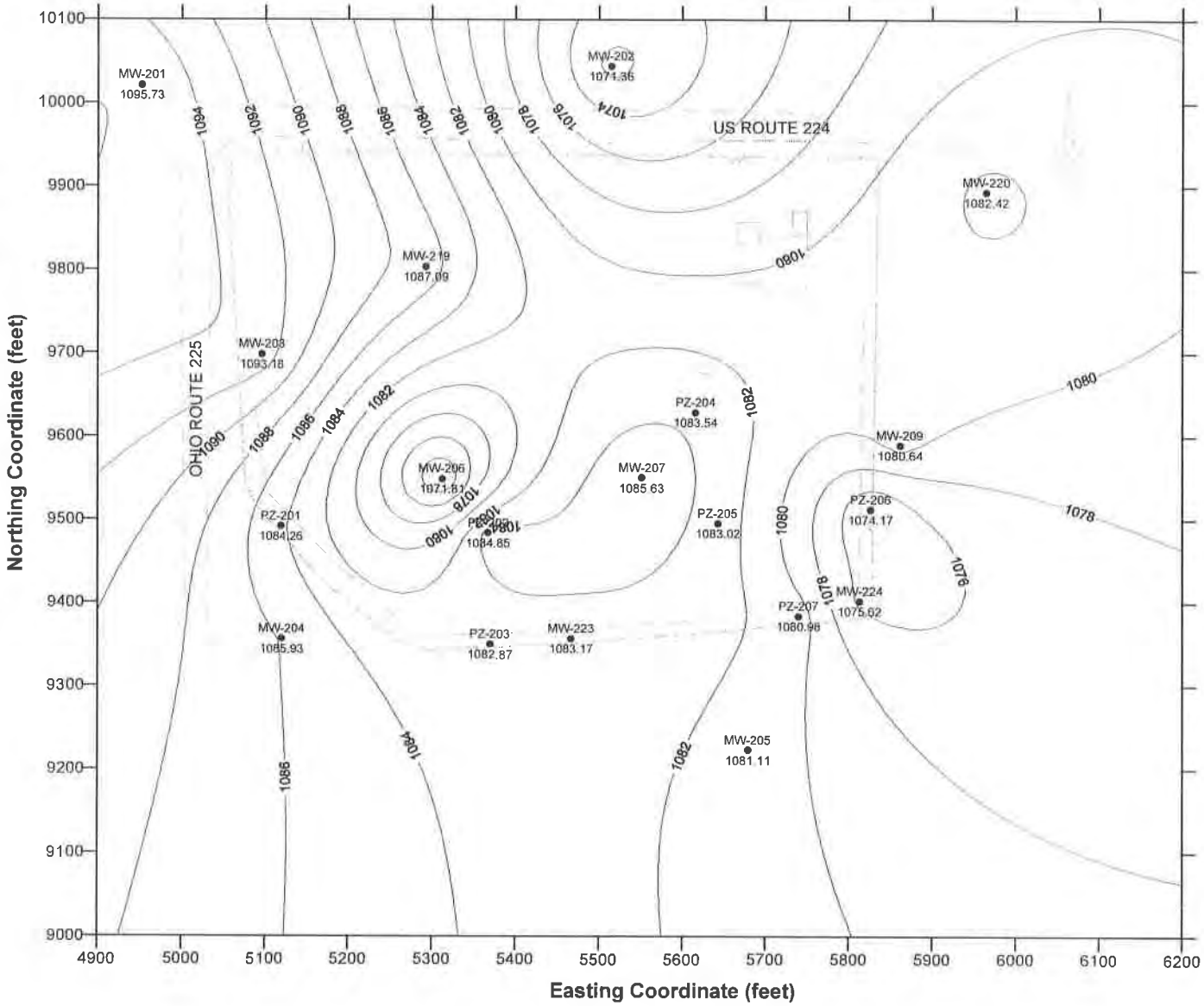
OCTOBER 2004
GROUNDWATER ELEVATIONS
UPPER SHARON UNIT MONITORING WELLS
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD, OHIO

WELL DESIGNATION	*REFERENCE ELEVATION*	*GROUNDWATER*	
		10/4/2004	
		Level	*Elev.*
	ft. AMSL	*ft.*	*ft. AMSL*
MW-401	1,099.75	35.45	1,064.30
MW-402	1,089.90	32.26	1,057.64
MW-414	1,096.99	25.09	1,071.90
MW-415	1,102.25	33.92	1,068.33
MW-420	1,091.66	29.44	1,062.22
MW-421	1,099.93	28.82	1,071.11
MW-422	1,107.38	23.63	1,083.75
POT. WELL	1,099.34	104.57	994.77



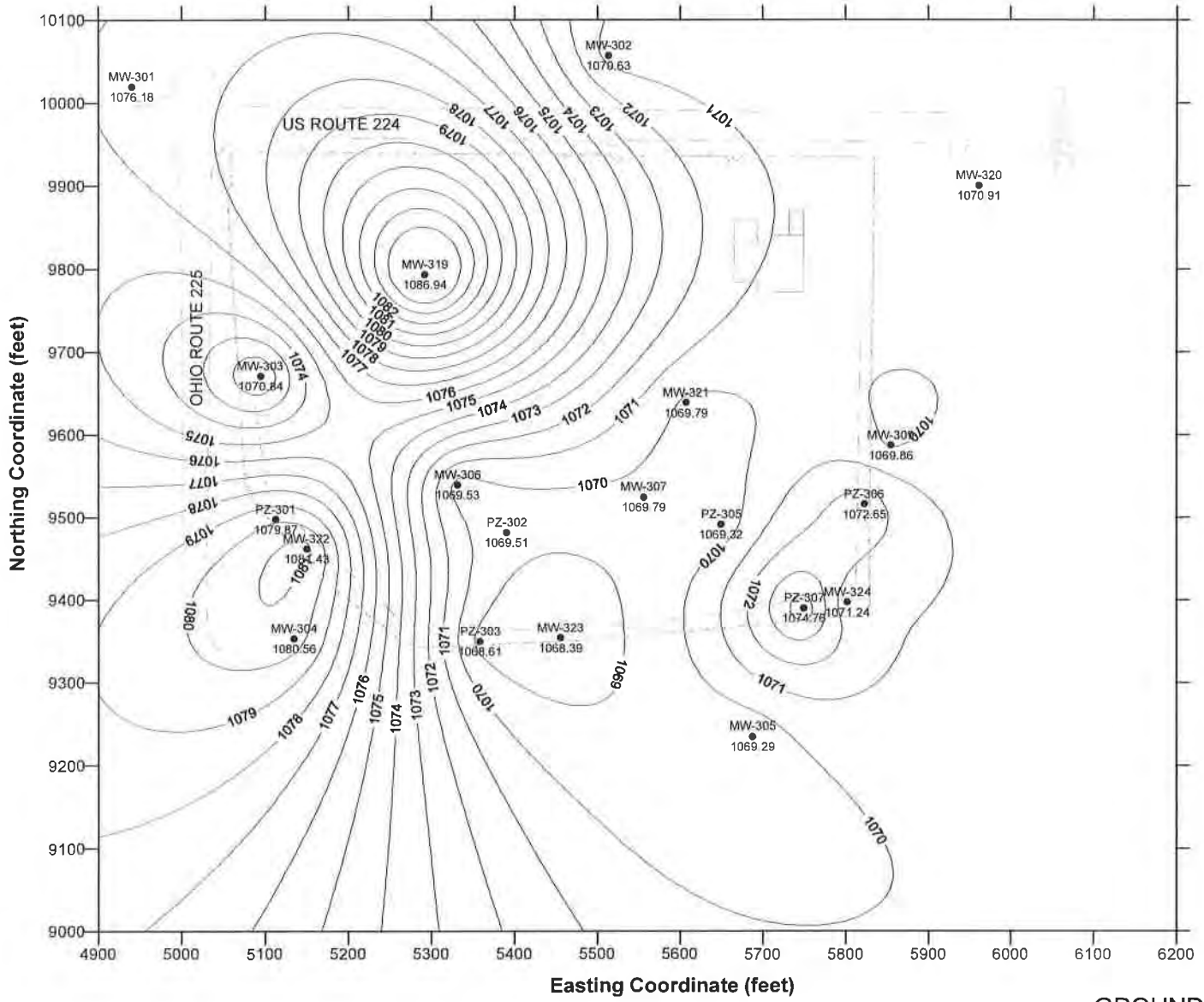
GROUNDWATER CONTOURS
WATER TABLE UNIT -- OCTOBER 04, 2004
SUMMIT NATIONAL SUPERFUND SITE
Deerfield, Ohio

6029 (WILL054) OCTOBER 04 2004 (WA) REV 0 (i:\swenvro\6029\6029-50\surfer\contours\wtu\wt100404.srf)



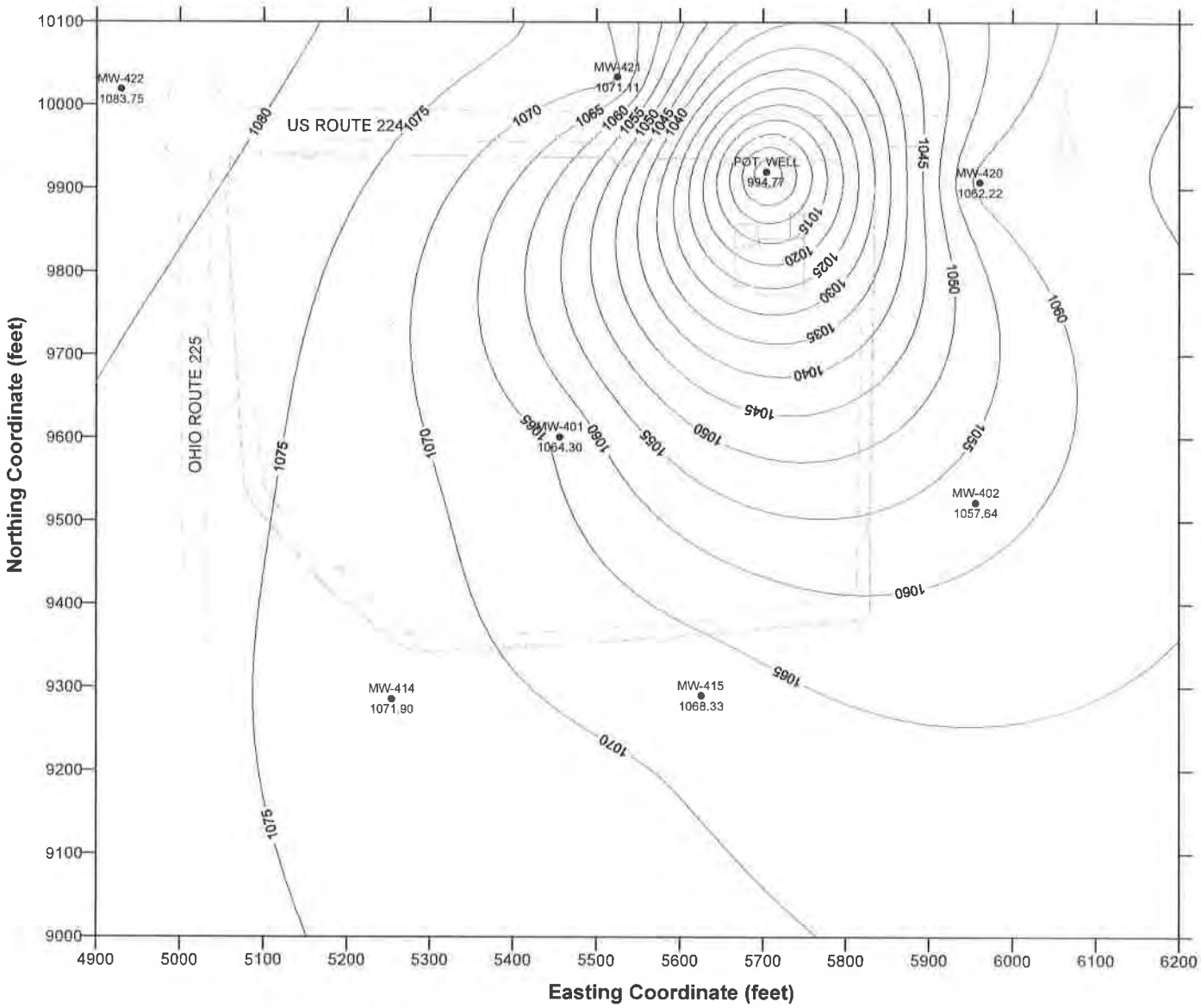
GROUNDWATER CONTOURS
UPPER INTERMEDIATE UNIT -- OCTOBER 04, 2004
SUMMIT NATIONAL SUPERFUND SITE
Deerfield, Ohio

6029 (WILL054) OCTOBER 04 2004 (WA) REV 0 (i:\cwenvrs\6029\6029-50\surfer\contours\uiu\ui100404.srf)



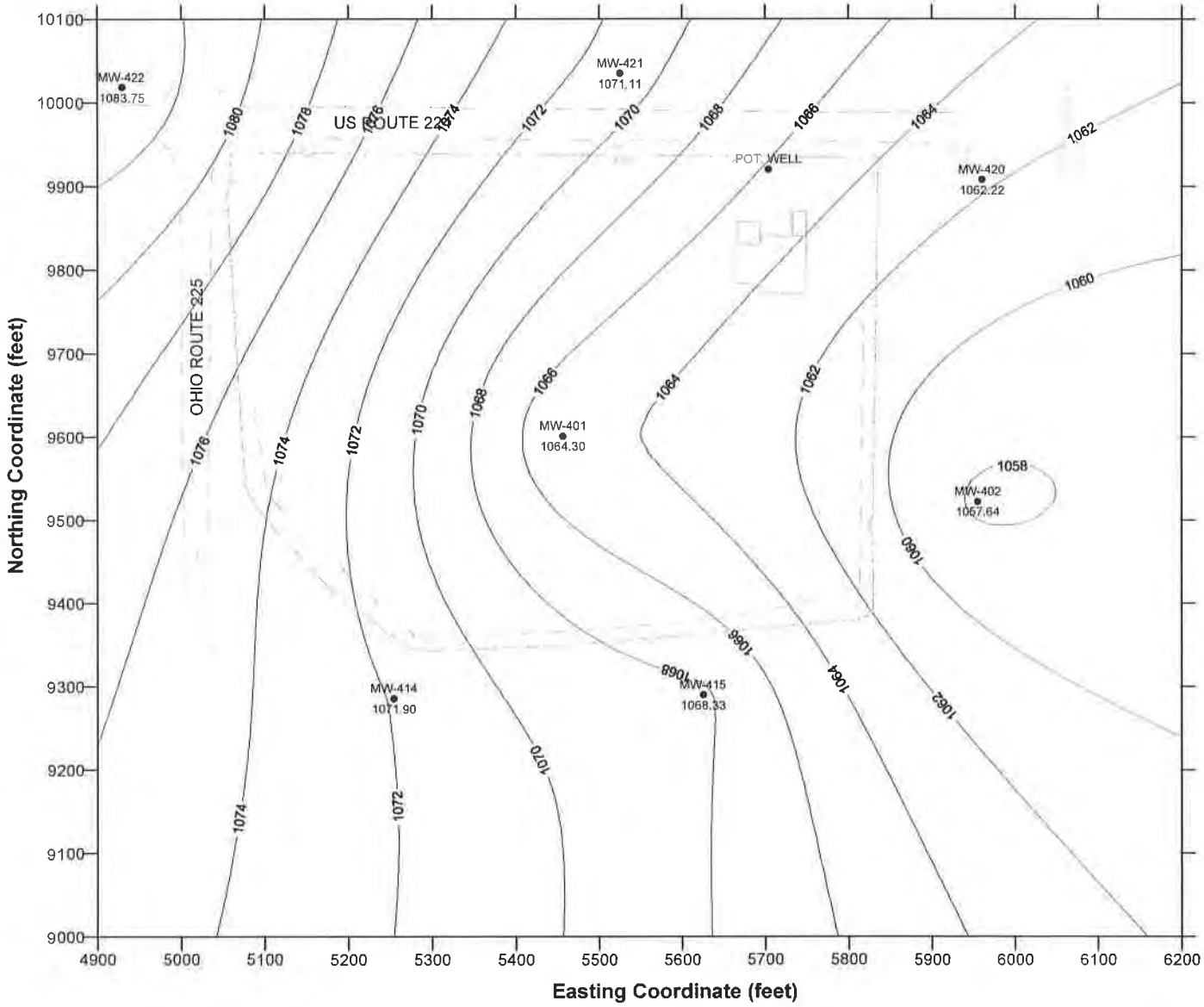
GROUNDWATER CONTOURS
LOWER INTERMEDIATE UNIT -- OCTOBER 04, 2004
SUMMIT NATIONAL SUPERFUND SITE
Deerfield, Ohio

6029 (WILL054) OCTOBER 04 2004 (WA) REV.0 (i:\swenvro\6029\6029-50\surfer\contours\liu\li100404.srf)



GROUNDWATER CONTOURS
UPPER SHARON UNIT -- OCTOBER 04, 2004
SUMMIT NATIONAL SUPERFUND SITE
Deerfield, Ohio

6029 (WILL054) OCTOBER 04 2004 (WA) REV 0 (i:\swenvro\6029\6029-50\surfer\contours\usu\us100404.srf)



GROUNDWATER CONTOURS
UPPER SHARON UNIT (w/o POTABLE WELL) -- OCTOBER 04, 2004
SUMMIT NATIONAL SUPERFUND SITE
Deerfield, Ohio

6029 (WILL054) OCTOBER 04 2004 (WA) REV.0 (i:\swenvro\6029\6029-50\surfer\contours\usu\utw100404.srf)

ATTACHMENT F

CARCINOGENIC PERFORMANCE STANDARDS

TABLE F.1

SUMMARY OF PERFORMANCE STANDARDS FOR SUBSTANCES
WITH POSSIBLE CARCINOGENIC EFFECTS
GROUNDWATER
SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

COMPOUND	TOXICOLOGICAL CLASS (1)	ORAL CANCER SLOPE FACTOR (2) 1/(mg/kg/day)		PERFORMANCE STANDARDS FOR INDIVIDUAL COMPOUNDS BASED ON 1.0 X 10-6 RISK (3) (ug/L)
VOLATILE ORGANIC COMPOUNDS				
1,1,1-TRICHLOROETHANE	D	NA		NV
1,1,2,2-TETRACHLOROETHANE	C	2.0E-01		0.43
1,1,2-TRICHLOROETHANE	C	5.7E-02		1.49
1,1-DICHLOROETHANE	C	NA		NV
1,1-DICHLOROETHENE	C	NA		NV
1,2-DICHLOROETHANE	B2	9.1E-02		0.94
1,2-DICHLOROETHENE, TOTAL		NA		NV
1,2-DICHLOROPROPANE	B2	6.8E-02		1.25
cis-1,3-DICHLOROPROPENE		1.0E-01	(4)	0.85
trans-1,3-DICHLOROPROPENE		1.0E-01	(4)	0.85
2-HEXANONE		NA		NV
ACETONE	D	NA		NV
BENZENE	A	5.5E-02		1.55
BROMODICHLOROMETHANE	B2	6.2E-02		1.37
BROMOFORM	B2	7.9E-03		10.78
BROMOMETHANE	D	NA		NV
CARBON DISULFIDE		NA		NV
CARBON TETRACHLORIDE	B2	1.3E-01		0.66
CHLOROBENZENE	D	NA		NV
CHLOROETHANE		2.9E-03		29.37
CHLOROFORM	B2	NA		NV
CHLOROMETHANE	D	NA		NV
DIBROMOCHLOROMETHANE	C	8.4E-02		1.01
ETHYLBENZENE	D	NA		NV
METHYL ETHYL KETONE	D	NA		NV
METHYL ISOBUTYL KETONE		NA		NV
METHYLENE CHLORIDE	B2	7.5E-03		11.36
STYRENE		NA		NV
TETRACHLOROETHENE (dated)	B2	5.1E-02		1.67
TETRACHLOROETHENE (current)	B2	5.4E-01		0.16
TOLUENE	D	NA		NV
TRICHLOROETHENE (dated)	B2	1.1E-02		7.74
TRICHLOROETHENE (current)	B2	4.0E-01		0.21
VINYL ACETATE		NA		NV
VINYL CHLORIDE	A	1.4E+00		0.06
XYLENES, TOTAL	D	NA		NV

TABLE F.1

SUMMARY OF PERFORMANCE STANDARDS FOR SUBSTANCES WITH POSSIBLE CARCINOGENIC EFFECTS GROUNDWATER SUMMIT NATIONAL SUPERFUND SITE PORTAGE COUNTY, OHIO

COMPOUND	TOXICOLOGICAL CLASS (1)	ORAL CANCER SLOPE FACTOR (2) 1/(mg/kg/day)	PERFORMANCE STANDARDS FOR INDIVIDUAL COMPOUNDS BASED ON 1.0 X 10-6 RISK (3) (ug/L)
SEMI-VOLATILE ORGANIC COMPOUNDS			
1,2,4-TRICHLOROBENZENE	D	NA	NV
1,2-DICHLOROBENZENE	D	NA	NV
1,3-DICHLOROBENZENE	D	NA	NV
1,4-DICHLOROBENZENE		2.4E-02	3.55
2,4,5-TRICHLOROPHENOL		NA	NV
2,4,6-TRICHLOROPHENOL	B2	1.1E-02	7.74
2,4-DICHLOROPHENOL		NA	NV
2,4-DIMETHYLPHENOL		NA	NV
2,4-DINITROPHENOL		NA	NV
2,4-DINITROTOLUENE	B2	6.8E-01	0.13
2,6-DINITROTOLUENE	B2	6.8E-01	0.13
2-CHLORONAPHTHALENE		NA	NV
2-CHLOROPHENOL		NA	NV
2-METHYLNAPHTHALENE		NA	NV
2-METHYLPHENOL	C	NA	NV
2-NITROANILINE		NA	NV
2-NITROPHENOL		NA	NV
3,3'-DICHLOROBENZIDINE	B2	4.5E-01	0.19
3-NITROANILINE		2.0E-02	4.26
4,6-DINITRO-o-CRESOL		NA	NV
4-BROMOPHENYL PHENYL ETHER	D	NA	NV
4-CHLOROANILINE		NA	NV
4-CHLOROPHENYL PHENYL ETHER		NA	NV
4-METHYLPHENOL	C	NA	NV
4-NITROANILINE		2.0E-02	4.26
4-NITROPHENOL		NA	NV
ACENAPHTHENE		NA	NV
ACENAPHTHYLENE	D	NA	NV
ANTHRACENE	D	NA	NV
BENZO(a)ANTHRACENE	B2	7.3E-01	0.12
BENZO(a)PYRENE	B2	7.3E+00	0.01
BENZO(b)FLUORANTHENE	B2	7.3E-01	0.12
BENZO(g,h,i)PERYLENE	D	NA	NV
BENZO(k)FLUORANTHENE	B2	7.3E-02	1.17
BENZOIC ACID	D	NA	NV
BENZYL ALCOHOL		NA	NV
BIS(2-CHLOROETHOXY)METHANE	D	NA	NV
BIS(2-CHLOROETHYL)ETHER	B2	1.1E+00	0.08
BIS(2-CHLOROISOPROPYL)ETHER	C	7.0E-02	1.22
BIS(2-ETHYLHEXYL)PHTHALATE	B2	1.4E-02	6.08
BUTYLBENZYL PHTHALATE	C	NA	NV
CHRYSENE	B2	7.3E-03	11.67
SEMI-VOLATILE ORGANIC COMPOUNDS (cont'd)			
DI-n-BUTYL PHTHALATE	D	NA	NV
DI-n-OCTYLPHTHALATE		NA	NV

TABLE F.1

SUMMARY OF PERFORMANCE STANDARDS FOR SUBSTANCES
WITH POSSIBLE CARCINOGENIC EFFECTS
GROUNDWATER
SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

COMPOUND	TOXICOLOGICAL CLASS (1)	ORAL CANCER SLOPE FACTOR (2) 1/(mg/kg/day)	PERFORMANCE STANDARDS FOR INDIVIDUAL COMPOUNDS BASED ON 1.0 X 10-6 RISK (3) (ug/L)
DI-n-PROPYLNITROSAMINE		NA	NV
DIBENZ(a,h)ANTHRACENE	B2	7.3E+00	0.01
DIBENZOFURAN	D	NA	NV
DIETHYLPHTHALATE	D	NA	NV
DIMETHYLPHTHALATE	D	NA	NV
FLUORANTHENE	D	NA	NV
FLUORENE	D	NA	NV
HEXACHLOROBENZENE	B2	1.6E+00	0.05
HEXACHLOROBUTADIENE	C	7.8E-02	1.09
HEXACHLOROCYCLOPENTADIENE	D	NA	NV
HEXACHLOROETHANE	C	1.4E-02	6.08
INDENO(1,2,3-cd)PYRENE	B2	7.3E-01	0.12
ISOPHORONE	C	9.5E-04	89.65
N-NITROSODIMETHYLAMINE	B2	5.1E+01	0.00
N-NITROSO-DI-N-PROPYLAMINE	B2	7.0E+00	0.01
NAPHTHALENE	D	NA	NV
NITROBENZENE	D	NA	NV
PENTACHLOROPHENOL	B2	1.2E-01	0.71
PHENANTHRENE	D	NA	NV
PHENOL	D	NA	NV
PYRENE	D	NA	NV

TABLE F.1

SUMMARY OF PERFORMANCE STANDARDS FOR SUBSTANCES WITH POSSIBLE CARCINOGENIC EFFECTS GROUNDWATER SUMMIT NATIONAL SUPERFUND SITE PORTAGE COUNTY, OHIO

COMPOUND	TOXICOLOGICAL CLASS (1)	ORAL CANCER SLOPE FACTOR (2) 1/(mg/kg/day)		PERFORMANCE STANDARDS FOR INDIVIDUAL COMPOUNDS BASED ON 1.0 X 10-6 RISK (3) (ug/L)
PESTICIDES/PCBS				
4,4'-DDD	B2	2.4E-01		0.35
4,4'-DDE	B2	3.4E-01		0.25
4,4'-DDT	B2	3.4E-01		0.25
ALDRIN	B2	1.7E+01		0.01
alpha-BHC	B2	6.3E+00		0.01
beta-BHC	C	1.8E+00		0.05
CHLORDANE	B2	3.5E-01		0.24
delta-BHC	D	NA		NV
DIELDRIN	B2	1.6E+01		0.01
ENDOSULFAN I		NA		NV
ENDOSULFAN II		NA		NV
ENDOSULFAN SULFATE		NA		NV
ENDRIN	D	NA		NV
ENDRIN ALDEHYDE		NA		NV
gamma-BHC (LINDANE)	C	1.3E+00		0.07
HEPTACHLOR	B2	4.5E+00		0.02
HEPTACHLOR EPOXIDE	B2	9.1E+00		0.01
METHOXYCHLOR	D	NA		NV
TOXAPHENE	B2	1.1E+00		0.08
PCB-1242	B2	2.0E+00	(5)	0.04
PCB-1254	B2	2.0E+00	(5)	0.04
PCB-1221	B2	2.0E+00	(5)	0.04
PCB-1232	B2	2.0E+00	(5)	0.04
PCB-1248	B2	2.0E+00	(5)	0.04
PCB-1260	B2	2.0E+00	(5)	0.04
PCB-1016	B2	2.0E+00	(5)	0.04

TABLE F.1

SUMMARY OF PERFORMANCE STANDARDS FOR SUBSTANCES
WITH POSSIBLE CARCINOGENIC EFFECTS
GROUNDWATER
SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

COMPOUND	TOXICOLOGICAL CLASS (1)	ORAL CANCER SLOPE FACTOR (2) 1/(mg/kg/day)	PERFORMANCE STANDARDS FOR INDIVIDUAL COMPOUNDS BASED ON 1.0 X 10-6 RISK (3) (ug/L)
METALS (TOTAL)			
ALUMINUM		NA	NV
ANTIMONY		NA	NV
ARSENIC	A	1.5E+00	0.06
BARIUM		NA	NV
BERYLLIUM	B1 (via inhalation)	NA	NV
CADMIUM	B1 (via inhalation)	NA	NV
CALCIUM		NA	NV
CHROMIUM		NA	NV
COBALT		NA	NV
COPPER	D	NA	NV
IRON	C	NA	NV
LEAD	B2	NA	NV
MAGNESIUM		NA	NV
MANGANESE	D	NA	NV
MERCURY	D	NA	NV
NICKEL		NA	NV
POTASSIUM		NA	NV
SELENIUM	D	NA	NV
SILVER	D	NA	NV
SODIUM		NA	NV
THALLIUM		NA	NV
VANADIUM		NA	NV
ZINC	D	NA	NV

NOTES :

NA= NOT AVAILABLE
(1) USEPA Weight-of-Evidence Toxicological Classification
Group A - Human Carcinogen (sufficient evidence of carcinogenicity in humans)
Group B1 - Probable Human Carcinogen (limited evidence of carcinogenicity in humans)
Group B2 - Probable Human Carcinogen (sufficient evidence of carcinogenicity in animals)
Group C - Possible Human Carcinogen (limited evidence of carcinogenicity in animals)
Group D - Not Classified as to Human Carcinogenicity (inadequate or no evidence)
(2) Cancer Slope Factor - A measure of the carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) 1,3-Dichloropropene CSF substituted.
(5) Total PCBs CSF substituted.

ATTACHMENT G

NON-CARCINOGENIC PERFORMANCE STANDARDS

CONESTOGA-ROVERS & ASSOCIATES

651 Colby Drive, Waterloo, Ontario, Canada N2V 1C2
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www.CRAworld.com

MEMORANDUM

TO: Steve Whillier

REF. NO.: 6029-50/pw/22

FROM: April Gowing/Andrew Wilkinson

DATE: December 2, 2004

RE: **Determination of Groundwater Performance Standards for Non-Carcinogenic Parameters, Summit National Superfund Site, Portage County, Ohio**

This memorandum present the work performed in response to the requirements for determining groundwater performance standards as stated in pages 40 and 41 of the Consent Decree.

The tasks performed determination of groundwater performance standards for substances not believed to have carcinogenic effects.

TASK: DETERMINATION OF PERFORMANCE STANDARDS FOR SUBSTANCES NOT BELIEVED TO HAVE CARCINOGENIC EFFECTS

Page 41 of the Consent Decree states that for each *"hazardous substance, pollutant or contaminant detected in groundwater at any compliance point referred to above that has not been identified by USEPA's Cancer Assessment Group as a possible, probable or known human carcinogen, Settling Defendants shall calculate a groundwater concentration limitation adequate to assure that such substances will not present a maximum cumulative chronic health index (HI) greater than 1."* Therefore to satisfy this requirement, the hazard indices were calculated for each sampling round for each monitoring well and assuming the ingestion of groundwater by residents (i.e., considered to be the most sensitive population). Analytical data from the October 2004 sampling round was utilized in the evaluation presented herein.

As part of this effort, background wells were identified for the Water Table Unit (WTU), the Upper Intermediate Unit (UIU), the Lower Intermediate Unit (LIU) and the Upper Sharon Unit (USU). Groundwater parameters for all the units were identified based on a detected value of the parameter in any of the units. The mean and 95% UCL background concentrations were then calculated for each groundwater unit. The mean background concentrations were calculated including both detected and non-detected results with non-detects equal to one-half the detection limit. Duplicate samples were averaged and considered as one sample. The calculated mean and RME background concentrations for the four groundwater units identified are summarized in Table 1.0.

The reported inorganic parameters for each sampling round for each monitoring well were compared to twice the appropriate mean background concentrations (i.e., WTU, UIU, LIU or USU). This is consistent with USEPA guidance (RAGS, 1989) which states reported concentrations of chemicals of potential concern (COPCs) should be "significantly elevated above naturally occurring levels of the same chemicals." Inorganic parameters at levels in exceedance of twice the appropriate mean background concentrations were then identified as COPCs and evaluated in the hazard assessment.

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The chemical-specific Hazard Quotient (HQ) was calculated as follows:

$$HQ = \frac{(C * IR * EF * ED) / (BW * AT)}{RfD}$$

Where:

HQ	Hazard Quotient	--	(unitless)
C	reported groundwater Concentration	--	(mg/L)
IR	Ingestion Rate	2	(L/day)
EF	Exposure Frequency	350	(days/year)
ED	Exposure Duration	30	(years)
BW	Body Weight	70	(kg)
AT	Averaging Time	10,950	(days)
RfD	oral Reference Dose	chemical-specific	(mg/kg-day)

The most current oral reference doses (RfDs) were used in the calculations. These RfD values were taken from the USEPA Integrated Risk Information System (USEPA, 2004a), USEPA Health Effects Assessment Summary Tables (HEAST, July 1997), and from the Office of National Center of Environmental Assessment as presented in Region III Risk-Based Concentration Table (USEPA, 2004b).

Therefore, the hazard index associated with the potential residential exposure to groundwater from monitoring well '*y*' is calculated as follows:

$$HI_y = \sum_{n}^{1} HQ_1 + HQ_2 + \ldots + HQ_n$$

Table 2.0 summarizes the hazard indices associated with the potential residential exposure to groundwater from all monitoring wells. Appendix A presents the hazard calculation for each monitoring well within each unit. In cases whereby the calculated hazard index is above 1.0, the level of potential concern, the COPCs that drive the hazard are also identified. In lieu of USEPA established RfDs, note that provisional RfDs for iron and aluminum were used in the evaluation. This is due to inadequate animal and/or human data involving oral toxicity studies, which prevent determination of oral reference doses for both iron and aluminum. Therefore, USEPA applied alternative approaches to derive provisional oral RfDs for iron and aluminum. Additionally, the toxicity data for trichloroethylene (TCE) is currently under review by the USEPA, therefore the hazard quotient for TCE in each monitoring well was calculated using the current provisional data TCE (current) and TCE (dated). TCE (dated) is based on the toxicity data that had been prior to the current provisional toxicity data.

REFERENCES:

HEAST, 1997. U.S. EPA Health Effects Assessment Summary Tables (HEAST), July 1, 1997.
USEPA, 1989. Risk Assessment Guidance for Superfund (RAGS) Interim Final, EPA/540/1-89/002, December 1989.
USEPA, 2004a. USEPA Integrated Risk Information System, November (www.epa.gov/iris).
USEPA, 2004b. Region III Risk-Based Concentration Table (RBCs), October 8, 2004.

TABLE 1.0

SUMMARY OF MEAN AND RME BACKGROUND CONCENTRATIONS
GROUNDWATER
SUMMIT NATIONAL SITE
DEERFIELD, OHIO

		Water Table Unit (1)		*Upper Intermediate Unit (2)*		*Lower Intermediate Unit (3)*		*Upper Sharon Unit (4)*	
Parameters	*Units*	*Mean*	*RME*	*Mean*	*RME*	*Mean*	*RME*	*Mean*	*RME*
VOCs									
1,1,1-Trichloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethylene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethylene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, total	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Acid Extractables									
2,4-Dimethylphenol	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol [o-cresol]	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Base/Neutral Extractables									
1,2-Dichlorobenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides									
4,4'-DDD	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Total Metals									
Aluminum	µg/L	1.67E+03	2.10E+03	2.25E+02	4.76E+02	2.55E+03	7.13E+03	2.93E+02	5.40E+02
Antimony	µg/L	ND	ND	ND	ND	6.00E+00	1.30E+01	ND	ND
Arsenic	µg/L	1.74E+01	3.11E+01	5.47E+00	1.14E+01	4.20E+00	7.60E+00	ND	ND
Barium	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	µg/L	1.30E+00	2.00E+00	8.00E-01	1.40E+00	ND	ND	ND	ND
Calcium	µg/L	2.84E+05	3.38E+05	2.54E+05	3.53E+05	2.88E+04	5.73E+04	3.97E+03	6.91E+03
Chromium	µg/L	ND	ND	1.21E+01	1.33E+01	8.28E+01	1.53E+02	ND	ND
Cobalt	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Copper	µg/L	ND	ND	ND	ND	2.86E+01	4.46E+01	ND	ND
Iron	µg/L	5.57E+04	8.50E+04	3.16E+04	8.82E+04	4.15E+03	9.54E+03	6.53E+03	8.89E+03
Lead	µg/L	5.97E+00	8.60E+00	2.63E+00	3.20E+00	4.20E+00	6.60E+00	ND	ND
Magnesium	µg/L	1.11E+05	1.59E+05	8.78E+04	1.17E+05	1.47E+04	3.10E+04	ND	ND
Manganese	µg/L	3.43E+03	4.82E+03	1.53E+03	4.14E+03	1.25E+02	2.25E+02	6.29E+01	9.36E+01
Nickel	µg/L	4.84E+01	7.65E+01	1.38E+01	2.14E+01	4.32E+01	5.67E+01	ND	ND
Potassium	µg/L	5.82E+03	7.60E+03	1.32E+04	1.65E+04	7.97E+03	1.02E+04	4.35E+03	8.05E+03
Selenium	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	µg/L	4.31E+04	4.94E+04	3.81E+05	7.32E+05	5.49E+05	6.78E+05	5.96E+05	8.12E+05
Vanadium	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	µg/L	1.38E+02	2.33E+02	4.03E+01	1.01E+02	3.10E+01	4.70E+01	ND	ND

Notes :
ND = Not Detected
(1) Based on data collected from sampling locations : MW-101, MW-102, MW-103.
(2) Based on data collected from sampling locations : MW-201, MW-204, MW-205.
(3) Based on data collected from sampling locations : MW-301, MW-302, MW-304.
(4) Based on data collected from sampling locations : MW-414, MW-415, MW-422.

TABLE 2.0

SUMMARY OF HAZARD INDICES
GROUNDWATER
SUMMIT NATIONAL SITE
DEERFIELD, OHIO

Monitoring Well	*Sampling Date*	*Hazard Index*	*Chemical of Potential Concern (COPC)*	*Percent Contribution of COPC*
WATER TABLE UNIT				
MW-4	10/4/2004	2.88E-03	--	--
MW-11	10/7/2004	**1.81E+01**	**Trichloroethene (current)**	**94**
MW-104	10/7/2004	4.35E-04	--	--
MW-105	10/7/2004	**2.25E+01**	**Arsenic**	**18**
			Iron	**81**
MW-106	10/7/2004	**1.68E+01**	**Iron**	**100**
MW-107	10/7/2004	**8.83E+00**	1,1-Dichloroethane	4
			1,2-Dichloroethane	4
			Benzene	6
			Cis-1,2-Dichloroethene	9
			Toluene	**14**
			Xylenes, total	4
			3&4-Methylphenol	5
			Arsenic	**48**
MW-108	10/7/2004	**1.40E+00**	1,2-Dichloroethane	6
			Benzene	5
			Cis-1,2-Dichloroethene	10
			Trichloroethene (current)	70
MW-109	10/4/2004	5.90E-01	--	--
MW-110	10/4/2004	0.00E+00	--	--
MW-111	10/7/2004	2.01E+01	**Iron**	**97**
MW-113	10/7/2004	9.73E+00	**Aluminum**	**14**
			Manganese	**56**
			Vanadium	**25**
MW-114	10/5/2004	3.40E+01	**Arsenic**	**46**
			Iron	**53**
MW-115	10/5/2004	1.04E-02	--	--
MW-116	10/5/2004	1.62E-01	--	--
MW-117	10/5/2004	0.00E+00	--	--
MW-118	10/4/2004	5.54E-03	--	--
UPPER INTERMEDIATE UNIT				
MW-202	10/6/2004	7.56E-02	--	--
MW-203	10/7/2004	0.00E+00	--	--
MW-206	10/7/2004	9.53E-02	--	--
MW-207	10/7/2004	5.35E-02	--	--
MW-209	10/4/2004	**2.27E+00**	**Manganese**	**92**
MW-219	10/7/2004	3.70E-01	--	--
MW-220	10/5/2004	3.48E-02	--	--
MW-223	10/6/2004	**1.44E+01**	**Iron**	**78**
			Manganese	**21**
MW-224	10/7/2004	1.40E-02	--	--

TABLE 2.0

SUMMARY OF HAZARD INDICES
GROUNDWATER
SUMMIT NATIONAL SITE
DEERFIELD, OHIO

Monitoring Well	*Sampling Date*	*Hazard Index*	*Chemical of Potential Concern (COPC)*	*Percent Contribution of COPC*
LOWER INTERMEDIATE UNIT				
MW-303	10/7/2004	7.48E-02	--	--
MW-305	10/5/2004	**3.40E+00**	**Iron**	**53**
			Manganese	**43**
MW-306	10/7/2004	7.74E-03	--	--
MW-307	10/7/2004	1.42E-02	--	--
MW-309	10/4/2004	3.61E-03	--	--
MW-319	10/7/2004	0.00E+00	--	--
MW-320	10/5/2004	0.00E+00	--	--
MW-321	10/7/2004	1.18E-02	--	--
MW-322	10/5/2004	1.36E-03	--	--
MW-323	10/6/2004	0.00E+00	--	--
MW-324	10/5/2004	0.00E+00	--	--
UPPER SHARON UNIT				
MW-401	10/7/2004	3.90E-02	--	--
MW-402	10/5/2004	1.04E-01	--	--
MW-421	10/6/2004	**3.85E+00**	Arsenic	13
			Iron	**76**

Notes: Bolded chemical name indicates respective HQ >1.0.

eg. Aluminum	HQ >1
Aluminum	HQ<1

APPENDIX A

HAZARD ASSESSMENT

WATER TABLE UNIT

TABLE : 1

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-4
SAMPLE ID : WG-6029-1004-DJT-005
SAMPLING DATE : 10/4/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		–	–	–
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		–	–	–
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		–	–	–
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		–	–	–
ACETONE	ND (10)	ND	ND		9.00E-01		–	–	–
BENZENE	ND (1.0)	ND	ND		4.00E-03		–	–	–
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		–	–	–
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		–	–	–
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		–	–	–
CHLOROMETHANE	ND (1.0)	ND	ND		NA		–	–	–
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		–	–	–
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		–	–	–
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		–	–	–
TOLUENE	ND (1.0)	ND	ND		2.00E-01		–	–	–
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		–	–	–
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		–	–	–
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		–	–	–
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		–	–	–
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		–	–	–
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		–	–	–
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		–	–	–
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		–	–	–
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		–	–	–
PHENOL	ND (5.0)	ND	ND		6.00E-01		–	–	–
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		–	–	–
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	2.1	ND	ND	X	2.00E-02		5.75E-05	2.88E-03	100.00
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		–	–	–
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		–	–	–
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		–	–	–
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		–	–	–
alpha-BHC	ND (0.020)	ND	ND		NA		–	–	–
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		–	–	–

TABLE : 1

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-4
SAMPLE ID : WG-6029-1004-DJT-005
SAMPLING DATE : 10/4/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	509	1.67E+03	2.10E+03		1.00E+00	--	--	--
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	ND (5.0)	1.74E+01	3.11E+01		3.00E-04	--	--	--
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	ND (1.0)	1.30E+00	2.00E+00		5.00E-04	--	--	--
CALCIUM	365000	2.84E+05	3.38E+05		NA	--	--	--
CHROMIUM	ND (10)	ND	ND		1.50E+00	--	--	--
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	ND (25)	ND	ND		4.00E-02	--	--	--
IRON	6910	5.57E+04	8.50E+04		3.00E-01	--	--	--
LEAD	5.3	5.97E+00	8.60E+00		NA	--	--	--
MAGNESIUM	212000	1.11E+05	1.59E+05		NA	--	--	--
MANGANESE	571	3.43E+03	4.82E+03		4.67E-02	--	--	--
NICKEL	ND (20)	4.84E+01	7.65E+01		2.00E-02	--	--	--
POTASSIUM	6740	5.82E+03	7.60E+03		NA	--	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	15300	4.31E+04	4.94E+04		NA	--	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	29.3	1.38E+02	2.33E+02		3.00E-01	--	--	--

HAZARD INDEX : 2.88E-03

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations: MW101, MW102, MW103
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integratec Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 2

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-11
SAMPLE ID : WG-6029-1004-DJT-057
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	54.3	ND	ND	X	2.80E-01		1.49E-03	5.31E-03	0.03
1,1-DICHLOROETHANE	73.7	ND	ND	X	1.00E-01		2.02E-03	2.02E-02	0.11
1,1-DICHLOROETHENE	1.1	ND	ND	X	5.00E-02		3.01E-05	6.03E-04	0.00
1,2-DICHLOROETHANE	1.8	ND	ND	X	2.00E-02		4.93E-05	2.47E-03	0.01
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	0.55 J	ND	ND	X	4.00E-03		1.51E-05	3.77E-03	0.02
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	0.66 J	ND	ND	X	1.00E-02		1.81E-05	1.81E-03	0.01
CHLOROMETHANE	0.71 J	ND	ND	X	NA		1.95E-05	--	--
CIS-1,2-DICHLOROETHYLENE	62.3	ND	ND	X	1.00E-02		1.71E-03	1.71E-01	0.94
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	2.0	ND	ND	X	2.00E-02		5.48E-05	2.74E-03	0.02
TRICHLOROETHENE (dated)	186	ND	ND	X	6.00E-03		5.10E-03	8.49E-01	4.70
TRICHLOROETHENE (current)	186	ND	ND	X	3.00E-04		5.10E-03	1.70E+01	94.04
VINYL CHLORIDE	2.2	ND	ND	X	3.00E-03		6.03E-05	2.01E-02	0.11
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 2

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-11
SAMPLE ID : WG-6029-1004-DJT-057
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	407	1.67E+03	2.10E+03		1.00E+00	–	–	–
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	–	–	–
ARSENIC	ND (5.0)	1.74E+01	3.11E+01		3.00E-04	–	–	–
BARIUM	ND (200)	ND	ND		7.00E-02	–	–	–
CADMIUM	ND (1.0)	1.30E+00	2.00E+00		5.00E-04	–	–	–
CALCIUM	350000	2.84E+05	3.38E+05		NA	–	–	–
CHROMIUM	ND (10)	ND	ND		1.50E+00	–	–	–
COBALT	ND (50)	ND	ND		2.00E-02	–	–	–
COPPER	ND (25)	ND	ND		4.00E-02	–	–	–
IRON	23200	5.57E+04	8.50E+04		3.00E-01	–	–	–
LEAD	8.0	5.97E+00	8.60E+00		NA	–	–	–
MAGNESIUM	86400	1.11E+05	1.59E+05		NA	–	–	–
MANGANESE	2870	3.43E+03	4.82E+03		4.67E-02	–	–	–
NICKEL	ND (20)	4.84E+01	7.65E+01		2.00E-02	–	–	–
POTASSIUM	7370	5.82E+03	7.60E+03		NA	–	–	–
SELENIUM	ND (5.0)	ND	ND		5.00E-03	–	–	–
SODIUM	61700	4.31E+04	4.94E+04		NA	–	–	–
VANADIUM	ND (50)	ND	ND		1.00E-03	–	–	–
ZINC	23.0	1.38E+02	2.33E+02		3.00E-01	–	–	–

HAZARD INDEX : 1.81E+01

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
J = Associated value is an estimated quantity.
(1) Background concentrations for this unit based on sampling locations: MW101, MW102, MW103
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 3

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-104
SAMPLE ID : WG-6029-1004-DJT-064
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		–	–	–
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		–	–	–
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		–	–	–
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		–	–	–
ACETONE	ND (1.0)	ND	ND		9.00E-01		–	–	–
BENZENE	ND (1.0)	ND	ND		4.00E-03		–	–	–
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		–	–	–
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		–	–	–
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		–	–	–
CHLOROMETHANE	ND (1.0)	ND	ND		NA		–	–	–
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		–	–	–
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		–	–	–
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		–	–	–
TOLUENE	ND (1.0)	ND	ND		2.00E-01		–	–	–
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		–	–	–
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		–	–	–
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		–	–	–
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		–	–	–
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		–	–	–
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		–	–	–
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		–	–	–
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		–	–	–
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		–	–	–
PHENOL	ND (5.0)	ND	ND		6.00E-01		–	–	–
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		–	–	–
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		–	–	–
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		–	–	–
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		–	–	–
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		–	–	–
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		–	–	–
alpha-BHC	ND (0.020)	ND	ND		NA		–	–	–
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		–	–	–

TABLE : 3

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-104
SAMPLE ID : WG-6029-1004-DJT-064
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	2440	1.67E+03	2.10E+03		1.00E+00	–	–	–
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	–	–	–
ARSENIC	6.4	1.74E+01	3.11E+01		3.00E-04	–	–	–
BARIUM	ND (200)	ND	ND		7.00E-02	–	–	–
CADMIUM	ND (1.0)	1.30E+00	2.00E+00		5.00E-04	–	–	–
CALCIUM	151000	2.84E+05	3.38E+05		NA	–	–	–
CHROMIUM	23.8	ND	ND	X	1.50E+00	6.52E-04	4.35E-04	100.00
COBALT	ND (50)	ND	ND		2.00E-02	–	–	–
COPPER	ND (25)	ND	ND		4.00E-02	–	–	–
IRON	16000	5.57E+04	8.50E+04		3.00E-01	–	–	–
LEAD	8.3	5.97E+00	8.60E+00		NA	–	–	–
MAGNESIUM	41400	1.11E+05	1.59E+05		NA	–	–	–
MANGANESE	1550	3.43E+03	4.82E+03		4.67E-02	–	–	–
NICKEL	ND (20)	4.84E+01	7.65E+01		2.00E-02	–	–	–
POTASSIUM	ND (5000)	5.82E+03	7.60E+03		NA	–	–	–
SELENIUM	ND (5.0)	ND	ND		5.00E-03	–	–	–
SODIUM	193000	4.31E+04	4.94E+04	X	NA	5.29E+00	–	–
VANADIUM	ND (50)	ND	ND		1.00E-03	–	–	–
ZINC	82.9	1.38E+02	2.33E+02		3.00E-01	–	–	–

HAZARD INDEX : 4.35E-04

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations: MW101, MW102, MW103
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 4

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-105
SAMPLE ID : WG-6029-1004-DJT-066
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (1.0)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	1.9	ND	ND	X	2.00E-02		5.21E-05	2.60E-03	0.01
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 4

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-105
SAMPLE ID : WG-6029-1004-DJT-066
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	2670	1.67E+03	2.10E+03		1.00E+00	--	--	--
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	45.2	1.74E+01	3.11E+01	X	3.00E-04	1.24E-03	4.13E+00	18.39
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	4.0	1.30E+00	2.00E+00	X	5.00E-04	1.10E-04	2.19E-01	0.98
CALCIUM	411000	2.84E+05	3.38E+05		NA	--	--	--
CHROMIUM	16.8	ND	ND	X	1.50E+00	4.60E-04	3.07E-04	0.00
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	27.8	ND	ND	X	4.00E-02	7.62E-04	1.90E-02	0.08
IRON	198000	5.57E+04	8.50E+04	X	3.00E-01	5.42E+00	1.81E+01	80.54
LEAD	7.2	5.97E+00	8.60E+00		NA	--	--	--
MAGNESIUM	165000	1.11E+05	1.59E+05		NA	--	--	--
MANGANESE	6160	3.43E+03	4.82E+03		4.67E-02	--	--	--
NICKEL	29.9	4.84E+01	7.65E+01		2.00E-02	--	--	--
POTASSIUM	7870	5.82E+03	7.60E+03		NA	--	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	63100	4.31E+04	4.94E+04		NA	--	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	148	1.38E+02	2.33E+02		3.00E-01	--	--	--

HAZARD INDEX : 2.25E+01

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations: MW101, MW102, MW103
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integratec Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 5

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-106
SAMPLE ID : WG-6029-1004-DJT-060
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	1.5	ND	ND	X	2.80E-01		4.11E-05	1.47E-04	0.00
1,1-DICHLOROETHANE	1.0	ND	ND	X	1.00E-01		2.74E-05	2.74E-04	0.00
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		–	–	–
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		–	–	–
ACETONE	ND (1.0)	ND	ND		9.00E-01		–	–	–
BENZENE	ND (1.0)	ND	ND		4.00E-03		–	–	–
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		–	–	–
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		–	–	–
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		–	–	–
CHLOROMETHANE	ND (1.0)	ND	ND		NA		–	–	–
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		–	–	–
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		–	–	–
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		–	–	–
TOLUENE	ND (1.0)	ND	ND		2.00E-01		–	–	–
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		–	–	–
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		–	–	–
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		–	–	–
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		–	–	–
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		–	–	–
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		–	–	–
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		–	–	–
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		–	–	–
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		–	–	–
PHENOL	ND (5.0)	ND	ND		6.00E-01		–	–	–
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		–	–	–
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	6.1	ND	ND	X	2.00E-02		1.67E-04	8.36E-03	0.05
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		–	–	–
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		–	–	–
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		–	–	–
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		–	–	–
alpha-BHC	ND (0.020)	ND	ND		NA		–	–	–
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		–	–	–

TABLE : 5

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-106
SAMPLE ID : WG-6029-1004-DJT-060
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	323	1.67E+03	2.10E+03		1.00E+00	--	--	--
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	ND (5.0)	1.74E+01	3.11E+01		3.00E-04	--	--	--
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	2.2	1.30E+00	2.00E+00		5.00E-04	--	--	--
CALCIUM	359000	2.84E+05	3.38E+05		NA	--	--	--
CHROMIUM	ND (10)	ND	ND		1.50E+00	--	--	--
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	ND (25)	ND	ND		4.00E-02	--	--	--
IRON	184000	5.57E+04	8.50E+04	X	3.00E-01	5.04E+00	1.68E+01	99.95
LEAD	ND (3.0)	5.97E+00	8.60E+00		NA	--	--	--
MAGNESIUM	138000	1.11E+05	1.59E+05		NA	--	--	--
MANGANESE	6340	3.43E+03	4.82E+03		4.67E-02	--	--	--
NICKEL	29.4	4.84E+01	7.65E+01		2.00E-02	--	--	--
POTASSIUM	10100	5.82E+03	7.60E+03		NA	--	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	48500	4.31E+04	4.94E+04		NA	--	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	54.7	1.38E+02	2.33E+02		3.00E-01	--	--	--

HAZARD INDEX : 1.68E+01

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations: MW101, MW102, MW103
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 6

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-107
SAMPLE ID : WG-6029-1004-DJT-069
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	195	ND	ND	X	2.80E-01		5.34E-03	1.91E-02	0.22
1,1-DICHLOROETHANE	1200	ND	ND	X	1.00E-01		3.29E-02	3.29E-01	3.72
1,1-DICHLOROETHENE	ND (50)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	265	ND	ND	X	2.00E-02		7.26E-03	3.63E-01	4.11
ACETONE	ND (500)	ND	ND		9.00E-01		--	--	--
BENZENE	76.2	ND	ND	X	4.00E-03		2.09E-03	5.22E-01	5.91
CHLOROBENZENE	53.4	ND	ND	X	2.00E-02		1.46E-03	7.32E-02	0.83
CHLOROETHANE	ND (50)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (50)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (50)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	281	ND	ND	X	1.00E-02		7.70E-03	7.70E-01	8.72
ETHYLBENZENE	830	ND	ND	X	1.00E-01		2.27E-02	2.27E-01	2.57
METHYLENE CHLORIDE	57.3 J	ND	ND	X	6.00E-02		1.57E-03	2.62E-02	0.30
TOLUENE	8710	ND	ND	X	2.00E-01		2.39E-01	1.19E+00	13.51
TRANS-1,2-DICHLOROETHYLENE	ND (50)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (50)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (50)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (50)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	2760	ND	ND	X	2.00E-01		7.56E-02	3.78E-01	4.28
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	21.4	ND	ND	X	2.00E-02		5.86E-04	2.93E-02	0.33
2-METHYLPHENOL	36.2	ND	ND	X	5.00E-02		9.92E-04	1.98E-02	0.22
3 & 4-METHYLPHENOL	75.3	ND	ND	X	5.00E-03		2.06E-03	4.13E-01	4.67
4-CHLORO-3-METHYLPHENOL	8.4	ND	ND	X	NA		2.30E-04	--	--
PHENOL	45.4	ND	ND	X	6.00E-01		1.24E-03	2.07E-03	0.02
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	2.0	ND	ND	X	9.00E-02		5.48E-05	6.09E-04	0.01
2-METHYLNAPHTHALENE	2.5	ND	ND	X	4.00E-03		6.85E-05	1.71E-02	0.19
BIS(2-ETHYLHEXYL)PHTHALATE	2.3	ND	ND	X	2.00E-02		6.30E-05	3.15E-03	0.04
DIETHYLPHTHALATE	4.4	ND	ND	X	8.00E-01		1.21E-04	1.51E-04	0.00
NAPHTHALENE	10.7	ND	ND	X	2.00E-02		2.93E-04	1.47E-02	0.17
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 6

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-107
SAMPLE ID : WG-6029-1004-DJT-069
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	419	1.67E+03	2.10E+03		1.00E+00	--	--	--
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	46.3	1.74E+01	3.11E+01	X	3.00E-04	1.27E-03	4.23E+00	47.88
BARIUM	516	ND	ND	X	7.00E-02	1.41E-02	2.02E-01	2.29
CADMIUM	ND (1.0)	1.30E+00	2.00E+00		5.00E-04	--	--	--
CALCIUM	284000	2.84E+05	3.38E+05		NA	--	--	--
CHROMIUM	48.7	ND	ND	X	1.50E+00	1.33E-03	8.89E-04	0.01
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	ND (25)	ND	ND		4.00E-02	--	--	--
IRON	2690	5.57E+04	8.50E+04		3.00E-01	--	--	--
LEAD	4.9	5.97E+00	8.60E+00		NA	--	--	--
MAGNESIUM	136000	1.11E+05	1.59E+05		NA	--	--	--
MANGANESE	894	3.43E+03	4.82E+03		4.67E-02	--	--	--
NICKEL	40.2	4.84E+01	7.65E+01		2.00E-02	--	--	--
POTASSIUM	13100	5.82E+03	7.60E+03	X	NA	3.59E-01	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	246000	4.31E+04	4.94E+04	X	NA	6.74E+00	--	--
THALLIUM	ND (10)	ND	ND		7.00E-05	--	--	--
ZINC	ND (20)	1.38E+02	2.33E+02		3.00E-01	--	--	--

HAZARD INDEX : 8.83E+00

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
J = Associated value is an estimated quantity.
(1) Background concentrations for this unit based on sampling locations: MW101, MW102, MW103
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 7

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-108
SAMPLE ID : WG-6029-1004-DJT-049
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	3.0	ND	ND	X	2.80E-01		8.22E-05	2.94E-04	0.02
1,1-DICHLOROETHANE	50.7	ND	ND	X	1.00E-01		1.39E-03	1.39E-02	0.99
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	59.4	ND	ND	X	2.00E-02		1.63E-03	8.14E-02	5.80
ACETONE	5.4 J	ND	ND	X	9.00E-01		1.48E-04	1.64E-04	0.01
BENZENE	10.7	ND	ND	X	4.00E-03		2.93E-04	7.33E-02	5.23
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	52.8	ND	ND	X	1.00E-02		1.45E-03	1.45E-01	10.31
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	2.0	ND	ND	X	2.00E-02		5.48E-05	2.74E-03	0.20
TRICHLOROETHENE (dated)	10.8	ND	ND	X	6.00E-03		2.96E-04	4.93E-02	3.52
TRICHLOROETHENE (current)	10.8	ND	ND	X	3.00E-04		2.96E-04	9.86E-01	70.33
VINYL CHLORIDE	5.5	ND	ND	X	3.00E-03		1.51E-04	5.02E-02	3.58
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 7

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-108
SAMPLE ID : WG-6029-1004-DJT-049
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	1260	1.67E+03	2.10E+03		1.00E+00	--	--	--
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	–	–	–
ARSENIC	13.9	1.74E+01	3.11E+01		3.00E-04	–	–	–
BARIUM	ND (200)	ND	ND		7.00E-02	–	–	–
CADMIUM	ND (1.0)	1.30E+00	2.00E+00		5.00E-04	–	–	–
CALCIUM	209000	2.84E+05	3.38E+05		NA	–	–	–
CHROMIUM	12.3	ND	ND	X	1.50E+00	3.37E-04	2.25E-04	0.02
COBALT	ND (50)	ND	ND		2.00E-02	–	–	–
COPPER	ND (25)	ND	ND		4.00E-02	–	–	–
IRON	47300	5.57E+04	8.50E+04		3.00E-01	–	–	–
LEAD	3.6	5.97E+00	8.60E+00		NA	–	–	–
MAGNESIUM	57600	1.11E+05	1.59E+05		NA	–	–	–
MANGANESE	2580	3.43E+03	4.82E+03		4.67E-02	–	–	–
NICKEL	ND (20)	4.84E+01	7.65E+01		2.00E-02	–	–	–
POTASSIUM	5760	5.82E+03	7.60E+03		NA	–	–	–
SELENIUM	ND (5.0)	ND	ND		5.00E-03	–	–	–
SODIUM	10800	4.31E+04	4.94E+04		NA	–	–	–
VANADIUM	ND (50)	ND	ND		1.00E-03	–	–	–
ZINC	56.3	1.38E+02	2.33E+02		3.00E-01	–	–	–

HAZARD INDEX : 1.40E+00

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
J = Associated value is an estimated quantity.
(1) Background concentrations for this unit based on sampling locations: MW101, MW102, MW103
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 8

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-109
SAMPLE ID : WG-6029-1004-DJT-001
SAMPLING DATE : 10/4/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 8

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-109
SAMPLE ID : WG-6029-1004-DJT-001
SAMPLING DATE : 10/4/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	12300	1.67E+03	2.10E+03	X	1.00E+00	3.37E-01	3.37E-01	57.09
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	ND (5.0)	1.74E+01	3.11E+01		3.00E-04	--	--	--
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	2.3	1.30E+00	2.00E+00		5.00E-04	--	--	--
CALCIUM	402000	2.84E+05	3.38E+05		NA	--	--	--
CHROMIUM	28.2	ND	ND	X	1.50E+00	7.73E-04	5.15E-04	0.09
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	45	ND	ND	X	4.00E-02	1.23E-03	3.08E-02	5.22
IRON	36600	5.57E+04	8.50E+04		3.00E-01	--	--	--
LEAD	13.9	5.97E+00	8.60E+00	X	NA	3.81E-04	--	--
MAGNESIUM	202000	1.11E+05	1.59E+05		NA	--	--	--
MANGANESE	3600	3.43E+03	4.82E+03		4.67E-02	--	--	--
NICKEL	72.1	4.84E+01	7.65E+01		2.00E-02	--	--	--
POTASSIUM	6740	5.82E+03	7.60E+03		NA	--	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	12000	4.31E+04	4.94E+04		NA	--	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	2430	1.38E+02	2.33E+02	X	3.00E-01	6.66E-02	2.22E-01	37.60
						HAZARD INDEX :	5.90E-01	
						TOTAL PERCENT :		100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations: MW101, MW102, MW103
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 9

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-110
SAMPLE ID : WG-6029-1004-DJT-006
SAMPLING DATE : 10/4/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 9

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-110
SAMPLE ID : WG-6029-1004-DJT-006
SAMPLING DATE : 10/4/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	1290	1.67E+03	2.10E+03		1.00E+00	–	–	–
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	–	–	–
ARSENIC	ND (5.0)	1.74E+01	3.11E+01		3.00E-04	–	–	–
BARIUM	ND (200)	ND	ND		7.00E-02	–	–	–
CADMIUM	ND (1.0)	1.30E+00	2.00E+00		5.00E-04	–	–	–
CALCIUM	98400	2.84E+05	3.38E+05		NA	–	–	–
CHROMIUM	ND (10)	ND	ND		1.50E+00	–	–	–
COBALT	ND (50)	ND	ND		2.00E-02	–	–	–
COPPER	ND (25)	ND	ND		4.00E-02	–	–	–
IRON	2390	5.57E+04	8.50E+04		3.00E-01	–	–	–
LEAD	ND (3.0)	5.97E+00	8.60E+00		NA	–	–	–
MAGNESIUM	28500	1.11E+05	1.59E+05		NA	–	–	–
MANGANESE	199	3.43E+03	4.82E+03		4.67E-02	–	–	–
NICKEL	ND (20)	4.84E+01	7.65E+01		2.00E-02	–	–	–
POTASSIUM	ND (5000)	5.82E+03	7.60E+03		NA	–	–	–
SELENIUM	ND (5.0)	ND	ND		5.00E-03	–	–	–
SODIUM	ND (5000)	4.31E+04	4.94E+04		NA	–	–	–
VANADIUM	ND (50)	ND	ND		1.00E-03	–	–	–
ZINC	ND (20)	1.38E+02	2.33E+02		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations: MW101, MW102, MW103
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 10

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-111
SAMPLE ID : WG-6029-1004-DJT-058
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	5.6	ND	ND	X	2.80E-01		1.53E-04	5.48E-04	0.00
1,1-DICHLOROETHANE	47.1	ND	ND	X	1.00E-01		1.29E-03	1.29E-02	0.06
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	144	ND	ND	X	2.00E-02		3.95E-03	1.97E-01	0.98
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	0.34	ND	ND	X	4.00E-03		9.32E-06	2.33E-03	0.01
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	1.6	ND	ND	X	4.00E-01		4.38E-05	1.10E-04	0.00
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	8.2	ND	ND	X	1.00E-02		2.25E-04	2.25E-02	0.11
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	8.6	ND	ND	X	3.00E-03		2.36E-04	7.85E-02	0.39
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 10

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-111
SAMPLE ID : WG-6029-1004-DJT-058
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	507	1.67E+03	2.10E+03		1.00E+00	--	--	--
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	22.1	1.74E+01	3.11E+01		3.00E-04	--	--	--
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	4.3	1.30E+00	2.00E+00	X	5.00E-04	1.18E-04	2.36E-01	1.17
CALCIUM	539000	2.84E+05	3.38E+05		NA	--	--	--
CHROMIUM	46.3	ND	ND	X	1.50E+00	1.27E-03	8.46E-04	0.00
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	ND (25)	ND	ND		4.00E-02	--	--	--
IRON	214000	5.57E+04	8.50E+04	X	3.00E-01	5.86E+00	1.95E+01	97.26
LEAD	ND (3.0)	5.97E+00	8.60E+00		NA	--	--	--
MAGNESIUM	166000	1.11E+05	1.59E+05		NA	--	--	--
MANGANESE	4660	3.43E+03	4.82E+03		4.67E-02	--	--	--
NICKEL	40.9	4.84E+01	7.65E+01		2.00E-02	--	--	--
POTASSIUM	9650	5.82E+03	7.60E+03		NA	--	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	128000	4.31E+04	4.94E+04	X	NA	3.51E+00	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	46.0	1.38E+02	2.33E+02		3.00E-01	--	--	--

HAZARD INDEX : 2.01E+01

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations: MW101, MW102, MW103
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 11

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-113
SAMPLE ID : WG-6029-1004-DJT-071
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 11

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-113
SAMPLE ID : WG-6029-1004-DJT-071
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	49200	1.67E+03	2.10E+03	X	1.00E+00	1.35E+00	1.35E+00	13.86
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	32.1	1.74E+01	3.11E+01		3.00E-04	--	--	--
BARIUM	396	ND	ND	X	7.00E-02	1.03E-02	1.55E-01	1.59
CADMIUM	ND (1.0)	1.30E+00	2.00E+00		5.00E-04	--	--	--
CALCIUM	504000	2.84E+05	3.38E+05		NA	--	--	--
CHROMIUM	88.9	ND	ND	X	1.50E+00	2.44E-03	1.62E-03	0.02
COBALT	61.5	ND	ND	X	2.00E-02	1.68E-03	8.42E-02	0.87
COPPER	80.8	ND	ND	X	4.00E-02	2.21E-03	5.53E-02	0.57
IRON	87200	5.57E+04	8.50E+04		3.00E-01	--	--	--
LEAD	108	5.97E+00	8.60E+00	X	NA	2.96E-03	--	--
MAGNESIUM	225000	1.11E+05	1.59E+05	X	NA	6.16E+00	--	--
MANGANESE	9270	3.43E+03	4.82E+03	X	4.67E-02	2.54E-01	5.44E+00	55.90
NICKEL	123	4.84E+01	7.65E+01	X	2.00E-02	3.37E-03	1.68E-01	1.73
POTASSIUM	24300	5.82E+03	7.60E+03	X	NA	6.66E-01	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	207000	4.31E+04	4.94E+04	X	NA	5.67E+00	--	--
VANADIUM	89.5	ND	ND	X	1.00E-03	2.45E-03	2.45E+00	25.20
ZINC	278	1.38E+02	2.33E+02	X	3.00E-01	7.62E-03	2.54E-02	0.26

HAZARD INDEX : 9.73E+00

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations: MW101, MW102, MW103
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 12

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-114
SAMPLE ID : WG-6029-1004-DJT-019
SAMPLING DATE : 10/5/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 12

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-114
SAMPLE ID : WG-6029-1004-DJT-019
SAMPLING DATE : 10/5/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	3630	1.67E+03	2.10E+03	X	1.00E+00	9.95E-02	9.95E-02	0.29
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	171	1.74E+01	3.11E+01	X	3.00E-04	4.68E-03	1.56E+01	45.86
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	4.0	1.30E+00	2.00E+00	X	5.00E-04	1.10E-04	2.19E-01	0.64
CALCIUM	453000	2.84E+05	3.38E+05		NA	--	--	--
CHROMIUM	ND (10)	ND	ND		1.50E+00	--	--	--
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	ND (25)	ND	ND		4.00E-02	--	--	--
IRON	198000	5.57E+04	8.50E+04	X	3.00E-01	5.42E+00	1.81E+01	53.11
LEAD	ND (3.0)	5.97E+00	8.60E+00		NA	--	--	--
MAGNESIUM	26600	1.11E+05	1.59E+05		NA	--	--	--
MANGANESE	1670	3.43E+03	4.82E+03		4.67E-02	--	--	--
NICKEL	49.4	4.84E+01	7.65E+01		2.00E-02	--	--	--
POTASSIUM	27000	5.82E+03	7.60E+03	X	NA	7.40E-01	--	--
SELENIUM	5.9	ND	ND	X	5.00E-03	1.62E-04	3.23E-02	0.09
SODIUM	129000	4.31E+04	4.94E+04	X	NA	3.53E+00	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	240	1.38E+02	2.33E+02		3.00E-01	--	--	--

HAZARD INDEX : 3.40E+01

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations: MW101, MW102, MW103
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 13

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-115
SAMPLE ID : WG-6029-1004-DJT-021
SAMPLING DATE : 10/5/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	1.3	ND	ND	X	1.00E-01		3.56E-05	3.56E-04	3.41
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	3.6	ND	ND	X	1.00E-02		9.86E-05	9.86E-03	94.41
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 13

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-115
SAMPLE ID : WG-6029-1004-DJT-021
SAMPLING DATE : 10/5/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	207	1.67E+03	2.10E+03		1.00E+00	--	–	–
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	–	–	–
ARSENIC	ND (5.0)	1.74E+01	3.11E+01		3.00E-04	–	–	–
BARIUM	ND (200)	ND	ND		7.00E-02	–	–	–
CADMIUM	ND (1.0)	1.30E+00	2.00E+00		5.00E-04	–	–	–
CALCIUM	227000	2.84E+05	3.38E+05		NA	–	–	–
CHROMIUM	12.5	ND	ND	X	1.50E+00	3.42E-04	2.28E-04	2.19
COBALT	ND (50)	ND	ND		2.00E-02	–	–	–
COPPER	ND (25)	ND	ND		4.00E-02	–	–	–
IRON	11400	5.57E+04	8.50E+04		3.00E-01	–	–	–
LEAD	ND (3.0)	5.97E+00	8.60E+00		NA	–	–	–
MAGNESIUM	69200	1.11E+05	1.59E+05		NA	–	–	–
MANGANESE	1790	3.43E+03	4.82E+03		4.67E-02	–	–	–
NICKEL	ND (20)	4.84E+01	7.65E+01		2.00E-02	–	–	–
POTASSIUM	6200	5.82E+03	7.60E+03		NA	–	–	–
SELENIUM	ND (5.0)	ND	ND		5.00E-03	–	–	–
SODIUM	51800	4.31E+04	4.94E+04		NA	–	–	–
VANADIUM	ND (50)	ND	ND		1.00E-03	–	–	–
ZINC	ND (20)	1.38E+02	2.33E+02		3.00E-01	–	–	–

HAZARD INDEX : 1.04E-02

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations: MW101, MW102, MW103
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 14

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-116
SAMPLE ID : WG-6029-1004-DJT-014
SAMPLING DATE : 10/5/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.2)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.2)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.2)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.2)	ND	ND		NA		--	--	--
PHENOL	ND (5.2)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.1)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.1)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.1)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.1)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.1)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 14

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-116
SAMPLE ID : WG-6029-1004-DJT-014
SAMPLING DATE : 10/5/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	5180	1.67E+03	2.10E+03	X	1.00E+00	1.42E-01	1.42E-01	87.63
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	8.9	1.74E+01	3.11E+01		3.00E-04	--	--	--
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	ND (1.0)	1.30E+00	2.00E+00		5.00E-04	--	--	--
CALCIUM	511000	2.84E+05	3.38E+05		NA	--	--	--
CHROMIUM	27.8	ND	ND	X	1.50E+00	7.62E-04	5.08E-04	0.31
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	28.5	ND	ND	X	4.00E-02	7.81E-04	1.95E-02	12.05
IRON	13000	5.57E+04	8.50E+04		3.00E-01	--	--	--
LEAD	10.9	5.97E+00	8.60E+00		NA	--	--	--
MAGNESIUM	600000	1.11E+05	1.59E+05	X	NA	1.64E+01	--	--
MANGANESE	3740	3.43E+03	4.82E+03		4.67E-02	--	--	--
NICKEL	ND (20)	4.84E+01	7.65E+01		2.00E-02	--	--	--
POTASSIUM	16800	5.82E+03	7.60E+03	X	NA	4.60E-01	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	223000	4.31E+04	4.94E+04	X	NA	6.11E+00	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	106	1.38E+02	2.33E+02		3.00E-01	--	--	--

HAZARD INDEX : 1.62E-01

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations: MW101, MW102, MW103
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 15

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-117
SAMPLE ID : WG-6029-1004-DJT-015
SAMPLING DATE : 10/5/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		–	–	–
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		–	–	–
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		–	–	–
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		–	–	–
ACETONE	ND (10)	ND	ND		9.00E-01		–	–	–
BENZENE	ND (1.0)	ND	ND		4.00E-03		–	–	–
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		–	–	–
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		–	–	–
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		–	–	–
CHLOROMETHANE	ND (1.0)	ND	ND		NA		–	–	–
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		–	–	–
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		–	–	–
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		–	–	–
TOLUENE	ND (1.0)	ND	ND		2.00E-01		–	–	–
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		–	–	–
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		–	–	–
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		–	–	–
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		–	–	–
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		–	–	–
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		–	–	–
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		–	–	–
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		–	–	–
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		–	–	–
PHENOL	ND (5.0)	ND	ND		6.00E-01		–	–	–
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		–	–	–
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		–	–	–
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		–	–	–
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		–	–	–
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		–	–	–
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		–	–	–
alpha-BHC	ND (0.020)	ND	ND		NA		–	–	–
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		–	–	–

TABLE : 15

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-117
SAMPLE ID : WG-6029-1004-DJT-015
SAMPLING DATE : 10/5/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	ND (200)	1.67E+03	2.10E+03		1.00E+00	--	--	--
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	5.1	1.74E+01	3.11E+01		3.00E-04	--	--	--
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	ND (1.0)	1.30E+00	2.00E+00		5.00E-04	--	--	--
CALCIUM	554000	2.84E+05	3.38E+05		NA	--	--	--
CHROMIUM	ND (10)	ND	ND		1.50E+00	--	--	--
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	ND (25)	ND	ND		4.00E-02	--	--	--
IRON	31500	5.57E+04	8.50E+04		3.00E-01	--	--	--
LEAD	ND (3.0)	5.97E+00	8.60E+00		NA	--	--	--
MAGNESIUM	161000	1.11E+05	1.59E+05		NA	--	--	--
MANGANESE	5380	3.43E+03	4.82E+03		4.67E-02	--	--	--
NICKEL	46.1	4.84E+01	7.65E+01		2.00E-02	--	--	--
POTASSIUM	15000	5.82E+03	7.60E+03	X	NA	4.11E-01	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	60800	4.31E+04	4.94E+04		NA	--	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	81.4	1.38E+02	2.33E+02		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations: MW101, MW102, MW103
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 16

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-118
SAMPLE ID : WG-6029-1004-DJT-007
SAMPLING DATE : 10/4/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	2.3	ND	ND	X	2.00E-02		6.30E-05	3.15E-03	56.89
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	1.5 J	ND	ND	X	2.00E-02		4.11E-05	2.05E-03	37.10
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 16

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW-118
SAMPLE ID : WG-6029-1004-DJT-007
SAMPLING DATE : 10/4/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	461	1.67E+03	2.10E+03		1.00E+00	--	--	--
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	ND (5.0)	1.74E+01	3.11E+01		3.00E-04	--	--	--
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	ND (1.0)	1.30E+00	2.00E+00		5.00E-04	--	--	--
CALCIUM	376000	2.84E+05	3.38E+05		NA	--	--	--
CHROMIUM	18.2	ND	ND	X	1.50E+00	4.99E-04	3.32E-04	6.00
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	ND (25)	ND	ND		4.00E-02	--	--	--
IRON	19100	5.57E+04	8.50E+04		3.00E-01	--	--	--
LEAD	ND (3.0)	5.97E+00	8.60E+00		NA	--	--	--
MAGNESIUM	136000	1.11E+05	1.59E+05		NA	--	--	--
MANGANESE	4190	3.43E+03	4.82E+03		4.67E-02	--	--	--
NICKEL	ND (20)	4.84E+01	7.65E+01		2.00E-02	--	--	--
POTASSIUM	7410	5.82E+03	7.60E+03		NA	--	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	75800	4.31E+04	4.94E+04		NA	--	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	ND (20)	1.38E+02	2.33E+02		3.00E-01	--	--	--

HAZARD INDEX : 5.54E-03

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
J = Associated value is an estimated quantity.
(1) Background concentrations for this unit based on sampling locations: MW101, MW102, MW103
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

UPPER INTERMEDIATE UNIT

TABLE : 17

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW-202
SAMPLE ID : WG-6029-1004-DJT-043
SAMPLING DATE : 10/6/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10) UJ	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 17

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW-202
SAMPLE ID : WG-6029-1004-DJT-043
SAMPLING DATE : 10/6/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	480	2.25E+02	4.76E+02	X	1.00E+00	1.32E-02	1.32E-02	17.41
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	ND (5.0)	5.47E+00	1.14E+01		3.00E-04	--	--	--
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	ND (1.0)	8.00E-01	1.40E+00		5.00E-04	--	--	--
CALCIUM	16900	2.54E+05	3.53E+05		NA	--	--	--
CHROMIUM	71.4	1.21E+01	1.33E+01	X	1.50E+00	1.96E-03	1.30E-03	1.73
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	ND (25)	ND	ND		4.00E-02	--	--	--
IRON	1990	3.16E+04	8.82E+04		3.00E-01	--	--	--
LEAD	ND (3.0)	2.63E+00	3.20E+00		NA	--	--	--
MAGNESIUM	7600	8.78E+04	1.17E+05		NA	--	--	--
MANGANESE	47.9	1.53E+03	4.14E+03		4.67E-02	--	--	--
NICKEL	44.6	1.38E+01	2.14E+01	X	2.00E-02	1.22E-03	6.11E-02	80.87
POTASSIUM	9180 J	1.32E+04	1.65E+04		NA	--	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	612000	3.81E+05	7.32E+05		NA	--	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	ND (20)	4.03E+01	1.01E+02		3.00E-01	--	--	--

HAZARD INDEX : 7.56E-02

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
J = Associated value is an estimated quantity.
U = Not detected at the associated value.
(1) Background concentrations for this unit based on sampling locations: MW-201, MW-204, MW-205.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 18

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW-203
SAMPLE ID : WG-6029-1004-DJT-055
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		–	–	–
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		–	–	–
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		–	–	–
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		–	–	–
ACETONE	ND (10)	ND	ND		9.00E-01		–	–	–
BENZENE	ND (1.0)	ND	ND		4.00E-03		–	–	–
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		–	–	–
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		–	–	–
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		–	–	–
CHLOROMETHANE	ND (1.0)	ND	ND		NA		–	–	–
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		–	–	–
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		–	–	–
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		–	–	–
TOLUENE	ND (1.0)	ND	ND		2.00E-01		–	–	–
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		–	–	–
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		–	–	–
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		–	–	–
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		–	–	–
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		–	–	–
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.3)	ND	ND		2.00E-02		–	–	–
2-METHYLPHENOL	ND (5.3)	ND	ND		5.00E-02		–	–	–
3 & 4-METHYLPHENOL	ND (5.3)	ND	ND		5.00E-03		–	–	–
4-CHLORO-3-METHYLPHENOL	ND (5.3)	ND	ND		NA		–	–	–
PHENOL	ND (5.3)	ND	ND		6.00E-01		–	–	–
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.1)	ND	ND		9.00E-02		–	–	–
2-METHYLNAPHTHALENE	ND (2.1)	ND	ND		4.00E-03		–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.1)	ND	ND		2.00E-02		–	–	–
DIETHYLPHTHALATE	ND (2.1)	ND	ND		8.00E-01		–	–	–
NAPHTHALENE	ND (2.1)	ND	ND		2.00E-02		–	–	–
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		–	–	–
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		–	–	–
alpha-BHC	ND (0.020)	ND	ND		NA		–	–	–
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		–	–	–

TABLE : 18

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW-203
SAMPLE ID : WG-6029-1004-DJT-055
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	ND (200)	2.25E+02	4.76E+02		1.00E+00	–	–	–
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	–	–	–
ARSENIC	ND (5.0)	5.47E+00	1.14E+01		3.00E-04	–	–	–
BARIUM	ND (200)	ND	ND		7.00E-02	–	–	–
CADMIUM	ND (1.0)	8.00E-01	1.40E+00		5.00E-04	–	–	–
CALCIUM	8620	2.54E+05	3.53E+05		NA	–	–	–
CHROMIUM	14.7	1.21E+01	1.33E+01		1.50E+00	–	–	–
COBALT	ND (50)	ND	ND		2.00E-02	–	–	–
COPPER	ND (25)	ND	ND		4.00E-02	–	–	–
IRON	308	3.16E+04	8.82E+04		3.00E-01	–	–	–
LEAD	ND (3.0)	2.63E+00	3.20E+00		NA	–	–	–
MAGNESIUM	ND (5000)	8.78E+04	1.17E+05		NA	–	–	–
MANGANESE	ND (15)	1.53E+03	4.14E+03		4.67E-02	–	–	–
NICKEL	ND (20)	1.38E+01	2.14E+01		2.00E-02	–	–	–
POTASSIUM	6180	1.32E+04	1.65E+04		NA	–	–	–
SELENIUM	ND (5.0)	ND	ND		5.00E-03	–	–	–
SODIUM	736000	3.81E+05	7.32E+05		NA	–	–	–
VANADIUM	ND (50)	ND	ND		1.00E-03	–	–	–
ZINC	ND (20)	4.03E+01	1.01E+02		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations: MW-201, MW-204, MW-205.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 19

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW-206
SAMPLE ID : WG-6029-1004-DJT-061
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.021)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.021)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.021)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.021)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.021)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.021)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.021)	ND	ND		3.00E-04		--	--	--

TABLE : 19

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW-206
SAMPLE ID : WG-6029-1004-DJT-061
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	3480	2.25E+02	4.76E+02	X	1.00E+00	9.53E-02	9.53E-02	100.00
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	–	–	–
ARSENIC	ND (5.0)	5.47E+00	1.14E+01		3.00E-04	–	–	–
BARIUM	ND (200)	ND	ND		7.00E-02	–	–	–
CADMIUM	ND (1.0)	8.00E-01	1.40E+00		5.00E-04	–	–	–
CALCIUM	27700	2.54E+05	3.53E+05		NA	–	–	–
CHROMIUM	22.0	1.21E+01	1.33E+01		1.50E+00	–	–	–
COBALT	ND (50)	ND	ND		2.00E-02	–	–	–
COPPER	ND (25)	ND	ND		4.00E-02	–	–	–
IRON	14000	3.16E+04	8.82E+04		3.00E-01	–	–	–
LEAD	6.1	2.63E+00	3.20E+00	X	NA	1.67E-04	–	–
MAGNESIUM	10600	8.78E+04	1.17E+05		NA	–	–	–
MANGANESE	447	1.53E+03	4.14E+03		4.67E-02	–	–	–
NICKEL	20.6	1.38E+01	2.14E+01		2.00E-02	–	–	–
POTASSIUM	8000	1.32E+04	1.65E+04		NA	–	–	–
SELENIUM	ND (5.0)	ND	ND		5.00E-03	–	–	–
SODIUM	578000	3.81E+05	7.32E+05		NA	–	–	–
VANADIUM	ND (50)	ND	ND		1.00E-03	–	–	–
ZINC	71.4	4.03E+01	1.01E+02		3.00E-01	–	–	–

HAZARD INDEX : 9.53E-02

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations: MW-201, MW-204, MW-205.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 20

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW-207
SAMPLE ID : WG-6029-1004-DJT-062/ WG-6029-1004-DJT-063
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	0.565 J	ND	ND	X	1.00E-01		1.55E-05	1.55E-04	0.29
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	6.45	ND	ND	X	2.00E-01		1.77E-04	8.84E-04	1.65
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	1.55	ND	ND	X	2.00E-01		4.25E-05	2.12E-04	0.40
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	2.4	ND	ND	X	2.00E-02		6.58E-05	3.29E-03	6.15
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 20

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW-207
SAMPLE ID : WG-6029-1004-DJT-062/ WG-6029-1004-DJT-063
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	281.5	2.25E+02	4.76E+02		1.00E+00	--	--	--
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	ND (5.0)	5.47E+00	1.14E+01		3.00E-04	--	--	--
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	ND (1.0)	8.00E-01	1.40E+00		5.00E-04	--	--	--
CALCIUM	397000	2.54E+05	3.53E+05		NA	--	--	--
CHROMIUM	ND (10)	1.21E+01	1.33E+01		1.50E+00	--	--	--
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	55.35	ND	ND	X	4.00E-02	1.52E-03	3.79E-02	70.86
IRON	38650	3.16E+04	8.82E+04		3.00E-01	--	--	--
LEAD	8.05 J	2.63E+00	3.20E+00	X	NA	2.21E-04	--	--
MAGNESIUM	144000	8.78E+04	1.17E+05		NA	--	--	--
MANGANESE	1925	1.53E+03	4.14E+03		4.67E-02	--	--	--
NICKEL	ND (20)	1.38E+01	2.14E+01		2.00E-02	--	--	--
POTASSIUM	16050	1.32E+04	1.65E+04		NA	--	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	160000	3.81E+05	7.32E+05		NA	--	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	121 J	4.03E+01	1.01E+02	X	3.00E-01	3.32E-03	1.11E-02	20.65

HAZARD INDEX : 5.35E-02

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
J = Associated value is an estimated quantity.
(1) Background concentrations for this unit based on sampling locations: MW-201, MW-204, MW-205.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 21

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW-209
SAMPLE ID : WG-6029-1004-DJT-002
SAMPLING DATE : 10/4/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		–	–	–
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		–	–	–
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		–	–	–
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		–	–	–
ACETONE	3.2 J	ND	ND	X	9.00E-01		8.77E-05	9.74E-05	0.00
BENZENE	ND (1.0)	ND	ND		4.00E-03		–	–	–
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		–	–	–
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		–	–	–
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		–	–	–
CHLOROMETHANE	ND (1.0)	ND	ND		NA		–	–	–
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		–	–	–
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		–	–	–
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		–	–	–
TOLUENE	ND (1.0)	ND	ND		2.00E-01		–	–	–
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		–	–	–
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		–	–	–
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		–	–	–
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		–	–	–
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		–	–	–
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.3)	ND	ND		2.00E-02		–	–	–
2-METHYLPHENOL	ND (5.3)	ND	ND		5.00E-02		–	–	–
3 & 4-METHYLPHENOL	ND (5.3)	ND	ND		5.00E-03		–	–	–
4-CHLORO-3-METHYLPHENOL	ND (5.3)	ND	ND		NA		–	–	–
PHENOL	ND (5.3)	ND	ND		6.00E-01		–	–	–
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.1)	ND	ND		9.00E-02		–	–	–
2-METHYLNAPHTHALENE	ND (2.1)	ND	ND		4.00E-03		–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.1)	ND	ND		2.00E-02		–	–	–
DIETHYLPHTHALATE	ND (2.1)	ND	ND		8.00E-01		–	–	–
NAPHTHALENE	ND (2.1)	ND	ND		2.00E-02		–	–	–
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		–	–	–
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		–	–	–
alpha-BHC	ND (0.020)	ND	ND		NA		–	–	–
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		–	–	–

TABLE : 21

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW-209
SAMPLE ID : WG-6029-1004-DJT-002
SAMPLING DATE : 10/4/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	5830	2.25E+02	4.76E+02	X	1.00E+00	1.60E-01	1.60E-01	7.05
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	6.8	5.47E+00	1.14E+01		3.00E-04	--	--	--
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	ND (1.0)	8.00E-01	1.40E+00		5.00E-04	--	--	--
CALCIUM	287000	2.54E+05	3.53E+05		NA	--	--	--
CHROMIUM	24.8	1.21E+01	1.33E+01	X	1.50E+00	6.79E-04	4.53E-04	0.02
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	33.1	ND	ND	X	4.00E-02	9.07E-04	2.27E-02	1.00
IRON	54300	3.16E+04	8.82E+04		3.00E-01	--	--	--
LEAD	12.0	2.63E+00	3.20E+00	X	NA	3.29E-04	--	--
MAGNESIUM	134000	8.78E+04	1.17E+05		NA	--	--	--
MANGANESE	3550	1.53E+03	4.14E+03	X	4.67E-02	9.73E-02	2.08E+00	91.93
NICKEL	20.0	1.38E+01	2.14E+01		2.00E-02	--	--	--
POTASSIUM	15800	1.32E+04	1.65E+04		NA	--	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	176000	3.81E+05	7.32E+05		NA	--	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	51.0	4.03E+01	1.01E+02		3.00E-01	--	--	--

HAZARD INDEX : 2.27E+00

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
J = Associated value is an estimated quantity.
(1) Background concentrations for this unit based on sampling locations: MW-201, MW-204, MW-205.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 22

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW-219
SAMPLE ID : WG-6029-1004-DJT-067
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 22

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW-219
SAMPLE ID : WG-6029-1004-DJT-067
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	ND (200)	2.25E+02	4.76E+02		1.00E+00	–	–	–
ANTIMONY	5.4	ND	ND	X	4.00E-04	1.48E-04	3.70E-01	100.00
ARSENIC	ND (5.0)	5.47E+00	1.14E+01		3.00E-04	–	–	–
BARIUM	ND (200)	ND	ND		7.00E-02	–	–	–
CADMIUM	ND (1.0)	8.00E-01	1.40E+00		5.00E-04	–	–	–
CALCIUM	9260	2.54E+05	3.53E+05		NA	–	–	–
CHROMIUM	13.5	1.21E+01	1.33E+01		1.50E+00	–	–	–
COBALT	ND (50)	ND	ND		2.00E-02	–	–	–
COPPER	ND (25)	ND	ND		4.00E-02	–	–	–
IRON	797	3.16E+04	8.82E+04		3.00E-01	–	–	–
LEAD	13.3	2.63E+00	3.20E+00	X	NA	3.64E-04	–	–
MAGNESIUM	ND (5000)	8.78E+04	1.17E+05		NA	–	–	–
MANGANESE	19.9	1.53E+03	4.14E+03		4.67E-02	–	–	–
NICKEL	ND (20)	1.38E+01	2.14E+01		2.00E-02	–	–	–
POTASSIUM	5340	1.32E+04	1.65E+04		NA	–	–	–
SELENIUM	ND (5.0)	ND	ND		5.00E-03	–	–	–
SODIUM	612000	3.81E+05	7.32E+05		NA	–	–	–
VANADIUM	ND (50)	ND	ND		1.00E-03	–	–	–
ZINC	ND (20)	4.03E+01	1.01E+02		3.00E-01	–	–	–

HAZARD INDEX : 3.70E-01

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations: MW-201, MW-204, MW-205.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 23

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW-220
SAMPLE ID : WG-6029-1004-DJT-010
SAMPLING DATE : 10/5/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 23

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW-220
SAMPLE ID : WG-6029-1004-DJT-010
SAMPLING DATE : 10/5/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	1270	2.25E+02	4.76E+02	X	1.00E+00	3.48E-02	3.48E-02	100.00
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	–	–	–
ARSENIC	ND (5.0)	5.47E+00	1.14E+01		3.00E-04	–	–	–
BARIUM	ND (200)	ND	ND		7.00E-02	–	–	–
CADMIUM	ND (1.0)	8.00E-01	1.40E+00		5.00E-04	–	–	–
CALCIUM	249000	2.54E+05	3.53E+05		NA	–	–	–
CHROMIUM	ND (10)	1.21E+01	1.33E+01		1.50E+00	–	–	–
COBALT	ND (50)	ND	ND		2.00E-02	–	–	–
COPPER	ND (25)	ND	ND		4.00E-02	–	–	–
IRON	3630	3.16E+04	8.82E+04		3.00E-01	–	–	–
LEAD	5.4	2.63E+00	3.20E+00	X	NA	1.48E-04	–	–
MAGNESIUM	39100	8.78E+04	1.17E+05		NA	–	–	–
MANGANESE	74.7	1.53E+03	4.14E+03		4.67E-02	–	–	–
NICKEL	ND (20)	1.38E+01	2.14E+01		2.00E-02	–	–	–
POTASSIUM	19000	1.32E+04	1.65E+04		NA	–	–	–
SELENIUM	ND (5.0)	ND	ND		5.00E-03	–	–	–
SODIUM	358000	3.81E+05	7.32E+05		NA	–	–	–
VANADIUM	ND (50)	ND	ND		1.00E-03	–	–	–
ZINC	66.1	4.03E+01	1.01E+02		3.00E-01	–	–	–

HAZARD INDEX : 3.48E-02

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations: MW-201, MW-204, MW-205.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 24

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW-223
SAMPLE ID : WG-6029-1004-DJT-031
SAMPLING DATE : 10/6/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		–	–	–
1,1-DICHLOROETHANE	2.1	ND	ND	X	1.00E-01		5.75E-05	5.75E-04	0.00
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		–	–	–
1,2-DICHLOROETHANE	4.6	ND	ND	X	2.00E-02		1.26E-04	6.30E-03	0.04
ACETONE	ND (10)	ND	ND		9.00E-01		–	–	–
BENZENE	ND (1.0)	ND	ND		4.00E-03		–	–	–
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		–	–	–
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		–	–	–
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		–	–	–
CHLOROMETHANE	ND (1.0)	ND	ND		NA		–	–	–
CIS-1,2-DICHLOROETHYLENE	2.5	ND	ND	X	1.00E-02		6.85E-05	6.85E-03	0.05
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		–	–	–
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		–	–	–
TOLUENE	ND (1.0)	ND	ND		2.00E-01		–	–	–
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		–	–	–
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		–	–	–
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		–	–	–
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		–	–	–
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		–	–	–
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		–	–	–
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		–	–	–
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		–	–	–
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		–	–	–
PHENOL	ND (5.0)	ND	ND		6.00E-01		–	–	–
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		–	–	–
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		–	–	–
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		–	–	–
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		–	–	–
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		–	–	–
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		–	–	–
alpha-BHC	ND (0.020)	ND	ND		NA		–	–	–
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		–	–	–

TABLE : 24

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW-223
SAMPLE ID : WG-6029-1004-DJT-031
SAMPLING DATE : 10/6/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	ND (200)	2.25E+02	4.76E+02		1.00E+00	--	--	--
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	ND (5.0)	5.47E+00	1.14E+01		3.00E-04	--	--	--
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	2.5	8.00E-01	1.40E+00	X	5.00E-04	6.85E-05	1.37E-01	0.95
CALCIUM	394000	2.54E+05	3.53E+05		NA	--	--	--
CHROMIUM	ND (10)	1.21E+01	1.33E+01		1.50E+00	--	--	--
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	ND (25)	ND	ND		4.00E-02	--	--	--
IRON	122000	3.16E+04	8.82E+04	X	3.00E-01	3.34E+00	1.11E+01	77.62
LEAD	ND (3.0)	2.63E+00	3.20E+00		NA	--	--	--
MAGNESIUM	125000	8.78E+04	1.17E+05		NA	--	--	--
MANGANESE	5220	1.53E+03	4.14E+03	X	4.67E-02	1.43E-01	3.06E+00	21.33
NICKEL	ND (20)	1.38E+01	2.14E+01		2.00E-02	--	--	--
POTASSIUM	16000 J	1.32E+04	1.65E+04		NA	--	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	156000	3.81E+05	7.32E+05		NA	--	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	ND (20)	4.03E+01	1.01E+02		3.00E-01	--	--	--

HAZARD INDEX : 1.44E+01

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
J = Associated value is an estimated quantity.
(1) Background concentrations for this unit based on sampling locations: MW-201, MW-204, MW-205.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 25

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW-224
SAMPLE ID : WG-6029-1004-DJT-072
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 25

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW-224
SAMPLE ID : WG-6029-1004-DJT-072
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	512	2.25E+02	4.76E+02	X	1.00E+00	1.40E-02	1.40E-02	100.00
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	–	–	–
ARSENIC	ND (5.0)	5.47E+00	1.14E+01		3.00E-04	–	–	–
BARIUM	ND (200)	ND	ND		7.00E-02	–	–	–
CADMIUM	ND (1.0)	8.00E-01	1.40E+00		5.00E-04	–	–	–
CALCIUM	143000	2.54E+05	3.53E+05		NA	–	–	–
CHROMIUM	ND (10)	1.21E+01	1.33E+01		1.50E+00	–	–	–
COBALT	ND (50)	ND	ND		2.00E-02	–	–	–
COPPER	ND (25)	ND	ND		4.00E-02	–	–	–
IRON	3930	3.16E+04	8.82E+04		3.00E-01	–	–	–
LEAD	3.8	2.63E+00	3.20E+00		NA	–	–	–
MAGNESIUM	53000	8.78E+04	1.17E+05		NA	–	–	–
MANGANESE	242	1.53E+03	4.14E+03		4.67E-02	–	–	–
NICKEL	ND (20)	1.38E+01	2.14E+01		2.00E-02	–	–	–
POTASSIUM	13800	1.32E+04	1.65E+04		NA	–	–	–
SELENIUM	ND (5.0)	ND	ND		5.00E-03	–	–	–
SODIUM	383000	3.81E+05	7.32E+05		NA	–	–	–
VANADIUM	ND (50)	ND	ND		1.00E-03	–	–	–
ZINC	36.4	4.03E+01	1.01E+02		3.00E-01	–	–	–

HAZARD INDEX : 1.40E-02

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations: MW-201, MW-204, MW-205.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

LOWER INTERMEDIATE UNIT

TABLE : 26

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-303
SAMPLE ID : WG-6029-1004-DJT-053/ WG-6029-1004-DJT-054
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 26

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-303
SAMPLE ID : WG-6029-1004-DJT-053/ WG-6029-1004-DJT-054
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	ND (200)	2.55E+03	7.13E+03		1.00E+00	–	–	–
ANTIMONY	ND (5.0)	6.00E+00	1.30E+01		4.00E-04	–	–	–
ARSENIC	ND (5.0)	4.20E+00	7.60E+00		3.00E-04	–	–	–
BARIUM	ND (200)	ND	ND		7.00E-02	–	–	–
CADMIUM	ND (1.0)	ND	ND		5.00E-04	–	–	–
CALCIUM	28050	2.88E+04	5.73E+04		NA	–	–	–
CHROMIUM	25.6 J	8.28E+01	1.53E+02		1.50E+00	–	–	–
COBALT	ND (50)	ND	ND		2.00E-02	–	–	–
COPPER	97.75	2.86E+01	4.46E+01	X	4.00E-02	2.68E-03	6.70E-02	89.50
IRON	433.5 J	4.15E+03	9.54E+03		3.00E-01	–	–	–
LEAD	5.8	4.20E+00	6.60E+00		NA	–	–	–
MAGNESIUM	12050	1.47E+04	3.10E+04		NA	–	–	–
MANGANESE	33.1	1.25E+02	2.25E+02		4.67E-02	–	–	–
NICKEL	15.8	4.32E+01	5.67E+01		2.00E-02	–	–	–
POTASSIUM	8280	7.97E+03	1.02E+04		NA	–	–	–
SELENIUM	ND (5.0)	ND	ND		5.00E-03	–	–	–
SODIUM	723000	5.49E+05	6.78E+05		NA	–	–	–
VANADIUM	ND (50)	ND	ND		1.00E-03	–	–	–
ZINC	86	3.10E+01	4.70E+01	X	3.00E-01	2.36E-03	7.85E-03	10.50

HAZARD INDEX : 7.48E-02

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
J = Associated value is an estimated quantity.
(1) Background concentrations for this unit based on sampling locations : MW-301, MW-302, MW-304.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 27

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-305
SAMPLE ID : WG-6029-1004-DJT-018
SAMPLING DATE : 10/5/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 27

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-305
SAMPLE ID : WG-6029-1004-DJT-018
SAMPLING DATE : 10/5/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	ND (200)	2.55E+03	7.13E+03		1.00E+00	--	--	--
ANTIMONY	ND (5.0)	6.00E+00	1.30E+01		4.00E-04	--	--	--
ARSENIC	ND (5.0)	4.20E+00	7.60E+00		3.00E-04	--	--	--
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	ND (1.0)	ND	ND		5.00E-04	--	--	--
CALCIUM	451000	2.88E+04	5.73E+04	X	NA	1.24E+01	--	--
CHROMIUM	232.0	8.28E+01	1.53E+02	X	1.50E+00	6.36E-03	4.24E-03	0.12
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	ND (25)	2.86E+01	4.46E+01		4.00E-02	--	--	--
IRON	19600	4.15E+03	9.54E+03	X	3.00E-01	5.37E-01	1.79E+00	52.58
LEAD	ND (3.0)	4.20E+00	6.60E+00		NA	--	--	--
MAGNESIUM	137000	1.47E+04	3.10E+04	X	NA	3.75E+00	--	--
MANGANESE	2520	1.25E+02	2.25E+02	X	4.67E-02	6.90E-02	1.48E+00	43.43
NICKEL	96.2	4.32E+01	5.67E+01	X	2.00E-02	2.64E-03	1.32E-01	3.87
POTASSIUM	11900	7.97E+03	1.02E+04		NA	--	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	235000	5.49E+05	6.78E+05		NA	--	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	ND (20)	3.10E+01	4.70E+01		3.00E-01	--	--	--

HAZARD INDEX : 3.40E+00

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations : MW-301, MW-302, MW-304.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integratec Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 28

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-306
SAMPLE ID : WG-6029-1004-DJT-059
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	2.2	ND	ND	X	2.00E-02		6.03E-05	3.01E-03	38.92
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 28

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-306
SAMPLE ID : WG-6029-1004-DJT-059
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	ND (200)	2.55E+03	7.13E+03		1.00E+00	–	–	–
ANTIMONY	ND (5.0)	6.00E+00	1.30E+01		4.00E-04	–	–	–
ARSENIC	ND (5.0)	4.20E+00	7.60E+00		3.00E-04	–	–	–
BARIUM	ND (200)	ND	ND		7.00E-02	–	–	–
CADMIUM	ND (1.0)	ND	ND		5.00E-04	–	–	–
CALCIUM	ND (5000)	2.88E+04	5.73E+04		NA	–	–	–
CHROMIUM	259.0	8.28E+01	1.53E+02	X	1.50E+00	7.10E-03	4.73E-03	61.08
COBALT	ND (50)	ND	ND		2.00E-02	–	–	–
COPPER	ND (25)	2.86E+01	4.46E+01		4.00E-02	–	–	–
IRON	1570	4.15E+03	9.54E+03		3.00E-01	–	–	–
LEAD	ND (3.0)	4.20E+00	6.60E+00		NA	–	–	–
MAGNESIUM	ND (5000)	1.47E+04	3.10E+04		NA	–	–	–
MANGANESE	20.4	1.25E+02	2.25E+02		4.67E-02	–	–	–
NICKEL	81.8	4.32E+01	5.67E+01		2.00E-02	–	–	–
POTASSIUM	ND (5000)	7.97E+03	1.02E+04		NA	–	–	–
SELENIUM	ND (5.0)	ND	ND		5.00E-03	–	–	–
SODIUM	446000	5.49E+05	6.78E+05		NA	–	–	–
VANADIUM	ND (50)	ND	ND		1.00E-03	–	–	–
ZINC	ND (20)	3.10E+01	4.70E+01		3.00E-01	–	–	–

HAZARD INDEX : 7.74E-03

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations : MW-301, MW-302, MW-304.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 29

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-307
SAMPLE ID : WG-6029-1004-DJT-070
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		–	–	–
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		–	–	–
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		–	–	–
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		–	–	–
ACETONE	ND (10)	ND	ND		9.00E-01		–	–	–
BENZENE	ND (1.0)	ND	ND		4.00E-03		–	–	–
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		–	–	–
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		–	–	–
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		–	–	–
CHLOROMETHANE	ND (1.0)	ND	ND		NA		–	–	–
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		–	–	–
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		–	–	–
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		–	–	–
TOLUENE	ND (1.0)	ND	ND		2.00E-01		–	–	–
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		–	–	–
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		–	–	–
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		–	–	–
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		–	–	–
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		–	–	–
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		–	–	–
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		–	–	–
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		–	–	–
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		–	–	–
PHENOL	ND (5.0)	ND	ND		6.00E-01		–	–	–
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		–	–	–
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		–	–	–
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		–	–	–
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		–	–	–
PESTICIDES									
4,4'-DDD	0.18	ND	ND	X	NA		4.93E-06	–	–
4,4'-DDT	0.26	ND	ND	X	5.00E-04		7.12E-06	1.42E-02	100.00
alpha-BHC	ND (0.020)	ND	ND		NA		–	–	–
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		–	–	–

TABLE : 29

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-307
SAMPLE ID : WG-6029-1004-DJT-070
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	3480	2.55E+03	7.13E+03		1.00E+00	--	--	--
ANTIMONY	ND (5.0)	6.00E+00	1.30E+01		4.00E-04	--	--	--
ARSENIC	ND (5.0)	4.20E+00	7.60E+00		3.00E-04	--	--	--
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	ND (1.0)	ND	ND		5.00E-04	--	--	--
CALCIUM	ND (5000)	2.88E+04	5.73E+04		NA	--	--	--
CHROMIUM	22.8	8.28E+01	1.53E+02		1.50E+00	--	--	--
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	ND (25)	2.86E+01	4.46E+01		4.00E-02	--	--	--
IRON	3710	4.15E+03	9.54E+03		3.00E-01	--	--	--
LEAD	6.3	4.20E+00	6.60E+00		NA	--	--	--
MAGNESIUM	ND (5000)	1.47E+04	3.10E+04		NA	--	--	--
MANGANESE	57.7	1.25E+02	2.25E+02		4.67E-02	--	--	--
NICKEL	20.8	4.32E+01	5.67E+01		2.00E-02	--	--	--
POTASSIUM	5720	7.97E+03	1.02E+04		NA	--	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	503000	5.49E+05	6.78E+05		NA	--	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	ND (20)	3.10E+01	4.70E+01		3.00E-01	--	--	--

HAZARD INDEX : 1.42E-02

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations : MW-301, MW-302, MW-304.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 30

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-309
SAMPLE ID : WG-6029-1004-DJT-003/ WG-6029-1004-DJT-004
SAMPLING DATE : 10/4/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.25)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.25)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.25)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.25)	ND	ND		NA		--	--	--
PHENOL	ND (5.25)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.1)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.1)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.1)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.1)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.1)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.021)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.021)	ND	ND		5.00E-04		--	--	--
alpha-BHC	0.175	ND	ND	X	NA		4.79E-06	--	--
ENDOSULFAN I	0.255	ND	ND	X	6.00E-03	(4)	6.99E-06	1.16E-03	32.22
ENDOSULFAN II	0.108	ND	ND	X	6.00E-03	(4)	2.96E-06	4.93E-04	13.64
ENDOSULFAN SULFATE	0.0835	ND	ND	X	6.00E-03	(4)	2.29E-06	3.81E-04	10.55
gamma-BHC (LINDANE)	0.01725	ND	ND	X	3.00E-04		4.73E-07	1.58E-03	43.59

TABLE : 30

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-309
SAMPLE ID : WG-6029-1004-DJT-003/ WG-6029-1004-DJT-004
SAMPLING DATE : 10/4/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	ND (200)	2.55E+03	7.13E+03		1.00E+00	--	--	--
ANTIMONY	ND (5.0)	6.00E+00	1.30E+01		4.00E-04	--	--	--
ARSENIC	ND (5.0)	4.20E+00	7.60E+00		3.00E-04	--	--	--
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	ND (1.0)	ND	ND		5.00E-04	--	--	--
CALCIUM	5600	2.88E+04	5.73E+04		NA	--	--	--
CHROMIUM	128.5	8.28E+01	1.53E+02		1.50E+00	--	--	--
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	21.45	2.86E+01	4.46E+01		4.00E-02	--	--	--
IRON	1095	4.15E+03	9.54E+03		3.00E-01	--	--	--
LEAD	ND (3.0)	4.20E+00	6.60E+00		NA	--	--	--
MAGNESIUM	ND (5000)	1.47E+04	3.10E+04		NA	--	--	--
MANGANESE	19.4	1.25E+02	2.25E+02		4.67E-02	--	--	--
NICKEL	49.7	4.32E+01	5.67E+01		2.00E-02	--	--	--
POTASSIUM	ND (5000)	7.97E+03	1.02E+04		NA	--	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	498500	5.49E+05	6.78E+05		NA	--	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	ND (20)	3.10E+01	4.70E+01		3.00E-01	--	--	--

HAZARD INDEX : 3.61E-03

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations : MW-301, MW-302, MW-304.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 31

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-319
SAMPLE ID : WG-6029-1004-DJT-068
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 31

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-319
SAMPLE ID : WG-6029-1004-DJT-068
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	ND (200)	2.55E+03	7.13E+03		1.00E+00	–	–	–
ANTIMONY	ND (5.0)	6.00E+00	1.30E+01		4.00E-04	–	–	–
ARSENIC	ND (5.0)	4.20E+00	7.60E+00		3.00E-04	–	–	–
BARIUM	ND (200)	ND	ND		7.00E-02	–	–	–
CADMIUM	ND (1.0)	ND	ND		5.00E-04	–	–	–
CALCIUM	13000	2.88E+04	5.73E+04		NA	–	–	–
CHROMIUM	ND (10)	8.28E+01	1.53E+02		1.50E+00	–	–	–
COBALT	ND (50)	ND	ND		2.00E-02	–	–	–
COPPER	ND (25)	2.86E+01	4.46E+01		4.00E-02	–	–	–
IRON	151	4.15E+03	9.54E+03		3.00E-01	–	–	–
LEAD	ND (3.0)	4.20E+00	6.60E+00		NA	–	–	–
MAGNESIUM	ND (5000)	1.47E+04	3.10E+04		NA	–	–	–
MANGANESE	ND (15)	1.25E+02	2.25E+02		4.67E-02	–	–	–
NICKEL	ND (20)	4.32E+01	5.67E+01		2.00E-02	–	–	–
POTASSIUM	5990	7.97E+03	1.02E+04		NA	–	–	–
SELENIUM	ND (5.0)	ND	ND		5.00E-03	–	–	–
SODIUM	605000	5.49E+05	6.78E+05		NA	–	–	–
VANADIUM	ND (50)	ND	ND		1.00E-03	–	–	–
ZINC	ND (20)	3.10E+01	4.70E+01		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations : MW-301, MW-302, MW-304.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 32

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-320
SAMPLE ID : WG-6029-1004-DJT-011
SAMPLING DATE : 10/5/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		–	–	–
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		–	–	–
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		–	–	–
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		–	–	–
ACETONE	ND (10)	ND	ND		9.00E-01		–	–	–
BENZENE	ND (1.0)	ND	ND		4.00E-03		–	–	–
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		–	–	–
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		–	–	–
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		–	–	–
CHLOROMETHANE	ND (1.0)	ND	ND		NA		–	–	–
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		–	–	–
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		–	–	–
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		–	–	–
TOLUENE	ND (1.0)	ND	ND		2.00E-01		–	–	–
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		–	–	–
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		–	–	–
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		–	–	–
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		–	–	–
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		–	–	–
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		–	–	–
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		–	–	–
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		–	–	–
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		–	–	–
PHENOL	ND (5.0)	ND	ND		6.00E-01		–	–	–
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		–	–	–
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		–	–	–
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		–	–	–
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		–	–	–
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		–	–	–
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		–	–	–
alpha-BHC	ND (0.020)	ND	ND		NA		–	–	–
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		–	–	–

TABLE : 32

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-320
SAMPLE ID : WG-6029-1004-DJT-011
SAMPLING DATE : 10/5/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	ND (200)	2.55E+03	7.13E+03		1.00E+00	–	–	–
ANTIMONY	5.9	6.00E+00	1.30E+01		4.00E-04	–	–	–
ARSENIC	ND (5.0)	4.20E+00	7.60E+00		3.00E-04	–	–	–
BARIUM	ND (200)	ND	ND		7.00E-02	–	–	–
CADMIUM	ND (1.0)	ND	ND		5.00E-04	–	–	–
CALCIUM	ND (5000)	2.88E+04	5.73E+04		NA	–	–	–
CHROMIUM	ND (10)	8.28E+01	1.53E+02		1.50E+00	–	–	–
COBALT	ND (50)	ND	ND		2.00E-02	–	–	–
COPPER	ND (25)	2.86E+01	4.46E+01		4.00E-02	–	–	–
IRON	552	4.15E+03	9.54E+03		3.00E-01	–	–	–
LEAD	ND (3.0)	4.20E+00	6.60E+00		NA	–	–	–
MAGNESIUM	ND (5000)	1.47E+04	3.10E+04		NA	–	–	–
MANGANESE	ND (15)	1.25E+02	2.25E+02		4.67E-02	–	–	–
NICKEL	ND (20)	4.32E+01	5.67E+01		2.00E-02	–	–	–
POTASSIUM	ND (5000)	7.97E+03	1.02E+04		NA	–	–	–
SELENIUM	ND (5.0)	ND	ND		5.00E-03	–	–	–
SODIUM	386000	5.49E+05	6.78E+05		NA	–	–	–
VANADIUM	ND (50)	ND	ND		1.00E-03	–	–	–
ZINC	ND (20)	3.10E+01	4.70E+01		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations : MW-301, MW-302, MW-304.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 33

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-321
SAMPLE ID : WG-6029-1004-DJT-051
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	2.3	ND	ND	X	2.00E-02		6.30E-05	3.15E-03	26.81
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 33

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-321
SAMPLE ID : WG-6029-1004-DJT-051
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	474	2.55E+03	7.13E+03		1.00E+00	--	--	--
ANTIMONY	ND (5.0)	6.00E+00	1.30E+01		4.00E-04	--	--	--
ARSENIC	ND (5.0)	4.20E+00	7.60E+00		3.00E-04	--	--	--
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	ND (1.0)	ND	ND		5.00E-04	--	--	--
CALCIUM	8980	2.88E+04	5.73E+04		NA	--	--	--
CHROMIUM	27.3	8.28E+01	1.53E+02		1.50E+00	--	--	--
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	ND (25)	2.86E+01	4.46E+01		4.00E-02	--	--	--
IRON	1550	4.15E+03	9.54E+03		3.00E-01	--	--	--
LEAD	8.2	4.20E+00	6.60E+00		NA	--	--	--
MAGNESIUM	ND (5000)	1.47E+04	3.10E+04		NA	--	--	--
MANGANESE	38.4	1.25E+02	2.25E+02		4.67E-02	--	--	--
NICKEL	ND (20)	4.32E+01	5.67E+01		2.00E-02	--	--	--
POTASSIUM	ND (5000)	7.97E+03	1.02E+04		NA	--	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	505000	5.49E+05	6.78E+05		NA	--	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	94.2	3.10E+01	4.70E+01	X	3.00E-01	2.58E-03	8.60E-03	73.19

HAZARD INDEX : 1.18E-02

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations : MW-301, MW-302, MW-304.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 33

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-321
SAMPLE ID : WG-6029-1004-DJT-051
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	2.3	ND	ND	X	2.00E-02		6.30E-05	3.15E-03	26.81
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 33

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-321
SAMPLE ID : WG-6029-1004-DJT-051
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	474	2.55E+03	7.13E+03		1.00E+00	–	–	–
ANTIMONY	ND (5.0)	6.00E+00	1.30E+01		4.00E-04	–	–	–
ARSENIC	ND (5.0)	4.20E+00	7.60E+00		3.00E-04	–	–	–
BARIUM	ND (200)	ND	ND		7.00E-02	–	–	–
CADMIUM	ND (1.0)	ND	ND		5.00E-04	–	–	–
CALCIUM	8980	2.88E+04	5.73E+04		NA	–	–	–
CHROMIUM	27.3	8.28E+01	1.53E+02		1.50E+00	–	–	–
COBALT	ND (50)	ND	ND		2.00E-02	–	–	–
COPPER	ND (25)	2.86E+01	4.46E+01		4.00E-02	–	–	–
IRON	1550	4.15E+03	9.54E+03		3.00E-01	–	–	–
LEAD	8.2	4.20E+00	6.60E+00		NA	–	–	–
MAGNESIUM	ND (5000)	1.47E+04	3.10E+04		NA	–	–	–
MANGANESE	38.4	1.25E+02	2.25E+02		4.67E-02	–	–	–
NICKEL	ND (20)	4.32E+01	5.67E+01		2.00E-02	–	–	–
POTASSIUM	ND (5000)	7.97E+03	1.02E+04		NA	–	–	–
SELENIUM	ND (5.0)	ND	ND		5.00E-03	–	–	–
SODIUM	505000	5.49E+05	6.78E+05		NA	–	–	–
VANADIUM	ND (50)	ND	ND		1.00E-03	–	–	–
ZINC	94.2	3.10E+01	4.70E+01	X	3.00E-01	2.58E-03	8.60E-03	73.19

HAZARD INDEX : 1.18E-02

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations : MW-301, MW-302, MW-304.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 34

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-322
SAMPLE ID : WG-6029-1004-DJT-023
SAMPLING DATE : 10/5/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	0.99 J	ND	ND	X	2.00E-02		2.71E-05	1.36E-03	100.00
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 34

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-322
SAMPLE ID : WG-6029-1004-DJT-023
SAMPLING DATE : 10/5/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	ND (200)	2.55E+03	7.13E+03		1.00E+00	--	--	--
ANTIMONY	ND (5.0)	6.00E+00	1.30E+01		4.00E-04	--	--	--
ARSENIC	ND (5.0)	4.20E+00	7.60E+00		3.00E-04	--	--	--
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	ND (1.0)	ND	ND		5.00E-04	--	--	--
CALCIUM	90900	2.88E+04	5.73E+04	X	NA	2.49E+00	--	--
CHROMIUM	ND (10)	8.28E+01	1.53E+02		1.50E+00	--	--	--
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	ND (25)	2.86E+01	4.46E+01		4.00E-02	--	--	--
IRON	ND (100)	4.15E+03	9.54E+03		3.00E-01	--	--	--
LEAD	ND (3.0)	4.20E+00	6.60E+00		NA	--	--	--
MAGNESIUM	43300	1.47E+04	3.10E+04	X	NA	1.19E+00	--	--
MANGANESE	67.2	1.25E+02	2.25E+02		4.67E-02	--	--	--
NICKEL	ND (20)	4.32E+01	5.67E+01		2.00E-02	--	--	--
POTASSIUM	12500	7.97E+03	1.02E+04		NA	--	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	595000	5.49E+05	6.78E+05		NA	--	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	ND (20)	3.10E+01	4.70E+01		3.00E-01	--	--	--

HAZARD INDEX : 1.36E-03

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
J = Associated value is an estimated quantity.
(1) Background concentrations for this unit based on sampling locations : MW-301, MW-302, MW-304.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 35

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-323
SAMPLE ID : WG-6029-1004-DJT-032
SAMPLING DATE : 10/6/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 35

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-323
SAMPLE ID : WG-6029-1004-DJT-032
SAMPLING DATE : 10/6/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	ND (200)	2.55E+03	7.13E+03		1.00E+00	--	--	--
ANTIMONY	ND (5.0)	6.00E+00	1.30E+01		4.00E-04	--	--	--
ARSENIC	5.8	4.20E+00	7.60E+00		3.00E-04	--	--	--
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	ND (1.0)	ND	ND		5.00E-04	--	--	--
CALCIUM	ND (5000)	2.88E+04	5.73E+04		NA	--	--	--
CHROMIUM	ND (10)	8.28E+01	1.53E+02		1.50E+00	--	--	--
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	ND (25)	2.86E+01	4.46E+01		4.00E-02	--	--	--
IRON	406	4.15E+03	9.54E+03		3.00E-01	--	--	--
LEAD	ND (3.0)	4.20E+00	6.60E+00		NA	--	--	--
MAGNESIUM	ND (5000)	1.47E+04	3.10E+04		NA	--	--	--
MANGANESE	ND (15)	1.25E+02	2.25E+02		4.67E-02	--	--	--
NICKEL	ND (20)	4.32E+01	5.67E+01		2.00E-02	--	--	--
POTASSIUM	ND (5000)	7.97E+03	1.02E+04		NA	--	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	457000	5.49E+05	6.78E+05		NA	--	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	ND (20)	3.10E+01	4.70E+01		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations : MW-301, MW-302, MW-304.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 36

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-324
SAMPLE ID : WG-6029-1004-DJT-024
SAMPLING DATE : 10/5/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	ND (200)	2.55E+03	7.13E+03		1.00E+00	–	–	–
ANTIMONY	ND (5.0)	6.00E+00	1.30E+01		4.00E-04	–	–	–
ARSENIC	ND (5.0)	4.20E+00	7.60E+00		3.00E-04	–	–	–
BARIUM	ND (200)	ND	ND		7.00E-02	–	–	–
CADMIUM	ND (1.0)	ND	ND		5.00E-04	–	–	–
CALCIUM	180000	2.88E+04	5.73E+04	X	NA	4.93E+00	–	–
CHROMIUM	ND (10)	8.28E+01	1.53E+02		1.50E+00	–	–	–
COBALT	ND (50)	ND	ND		2.00E-02	–	–	–
COPPER	ND (25)	2.86E+01	4.46E+01		4.00E-02	–	–	–
IRON	ND (100)	4.15E+03	9.54E+03		3.00E-01	–	–	–
LEAD	ND (3.0)	4.20E+00	6.60E+00		NA	–	–	–
MAGNESIUM	ND (5000)	1.47E+04	3.10E+04		NA	–	–	–
MANGANESE	ND (15)	1.25E+02	2.25E+02		4.67E-02	–	–	–
NICKEL	ND (20)	4.32E+01	5.67E+01		2.00E-02	–	–	–
POTASSIUM	13300	7.97E+03	1.02E+04		NA	–	–	–
SELENIUM	ND (5.0)	ND	ND		5.00E-03	–	–	–
SODIUM	449000	5.49E+05	6.78E+05		NA	–	–	–
VANADIUM	ND (50)	ND	ND		1.00E-03	–	–	–
ZINC	ND (20)	3.10E+01	4.70E+01		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations : MW-301, MW-302, MW-304.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 36

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW-324
SAMPLE ID : WG-6029-1004-DJT-024
SAMPLING DATE : 10/5/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

UPPER SHARON UNIT

TABLE : 37

SITE : SUMMIT NATIONAL
SECTOR : UPPER SHARON UNIT
LOCATION : MW-401
SAMPLE ID : WG-6029-1004-DJT-052
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	ND (1.0)	ND	ND		4.00E-03		--	--	--
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 37

SITE : SUMMIT NATIONAL
SECTOR : UPPER SHARON UNIT
LOCATION : MW-401
SAMPLE ID : WG-6029-1004-DJT-052
SAMPLING DATE : 10/7/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	1250	2.93E+02	5.40E+02	X	1.00E+00	3.42E-02	3.42E-02	87.86
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	ND (5.0)	ND	ND		3.00E-04	--	--	--
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	ND (1.0)	ND	ND		5.00E-04	--	--	--
CALCIUM	ND (5000)	3.97E+03	6.91E+03		NA	--	--	--
CHROMIUM	ND (10)	ND	ND		1.50E+00	--	--	--
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	ND (25)	ND	ND		4.00E-02	--	--	--
IRON	5600	6.53E+03	8.89E+03		3.00E-01	--	--	--
LEAD	ND (3.0)	ND	ND		NA	--	--	--
MAGNESIUM	ND (5000)	ND	ND		NA	--	--	--
MANGANESE	64.8	6.29E+01	9.36E+01		4.67E-02	--	--	--
NICKEL	ND (20)	ND	ND		2.00E-02	--	--	--
POTASSIUM	ND (5000)	4.35E+03	8.05E+03		NA	--	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	458000	5.96E+05	8.12E+05		NA	--	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	51.8	ND	ND	X	3.00E-01	1.42E-03	4.73E-03	12.14
						HAZARD INDEX :	3.90E-02	
						TOTAL PERCENT :		100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
(1) Background concentrations for this unit based on sampling locations: MW-414, MW-415, MW-422.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 38

SITE : SUMMIT NATIONAL
SECTOR : UPPER SHARON UNIT
LOCATION : MW-402
SAMPLE ID : WG-6029-1004-DJT-012/ WG-6029-1004-DJT-013
SAMPLING DATE : 10/5/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	--	--
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		--	--	--
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		--	--	--
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		--	--	--
ACETONE	ND (10)	ND	ND		9.00E-01		--	--	--
BENZENE	0.405 J	ND	ND	X	4.00E-03		1.11E-05	2.77E-03	2.66
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		--	--	--
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		--	--	--
CHLOROMETHANE	ND (1.0)	ND	ND		NA		--	--	--
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		--	--	--
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		--	--	--
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		--	--	--
TOLUENE	ND (1.0)	ND	ND		2.00E-01		--	--	--
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		--	--	--
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		--	--	--
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		--	--	--
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		--	--	--
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		--	--	--
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		--	--	--
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		--	--	--
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		--	--	--
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		--	--	--
PHENOL	ND (5.0)	ND	ND		6.00E-01		--	--	--
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		--	--	--
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		--	--	--
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		--	--	--
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		--	--	--
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		--	--	--
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		--	--	--
alpha-BHC	ND (0.020)	ND	ND		NA		--	--	--
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	--	--	--
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		--	--	--

TABLE : 38

SITE : SUMMIT NATIONAL
SECTOR : UPPER SHARON UNIT
LOCATION : MW-402
SAMPLE ID : WG-6029-1004-DJT-012/ WG-6029-1004-DJT-013
SAMPLING DATE : 10/5/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	866.5 J	2.93E+02	5.40E+02	X	1.00E+00	2.37E-02	2.37E-02	22.75
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	ND (5.0)	ND	ND		3.00E-04	--	--	--
BARIUM	184.5	ND	ND	X	7.00E-02	5.05E-03	7.22E-02	69.20
CADMIUM	ND (1.0)	ND	ND		5.00E-04	--	--	--
CALCIUM	ND (5000)	3.97E+03	6.91E+03		NA	--	--	--
CHROMIUM	8.65	ND	ND	X	1.50E+00	2.37E-04	1.58E-04	0.15
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	ND (25)	ND	ND		4.00E-02	--	--	--
IRON	6420 J	6.53E+03	8.89E+03		3.00E-01	--	--	--
LEAD	4.65 J	ND	ND	X	NA	1.27E-04	--	--
MAGNESIUM	ND (5000)	ND	ND		NA	--	--	--
MANGANESE	47.85 J	6.29E+01	9.36E+01		4.67E-02	--	--	--
NICKEL	ND (20)	ND	ND		2.00E-02	--	--	--
POTASSIUM	ND (5000)	4.35E+03	8.05E+03		NA	--	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	429000	5.96E+05	8.12E+05		NA	--	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	59.9 J	ND	ND	X	3.00E-01	1.64E-03	5.47E-03	5.24

HAZARD INDEX : 1.04E-01

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
J = Associated value is an estimated quantity.
(1) Background concentrations for this unit based on sampling locations: MW-414, MW-415, MW-422.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

TABLE : 39

SITE : SUMMIT NATIONAL
SECTOR : UPPER SHARON UNIT
LOCATION : MW-421
SAMPLE ID : WG-6029-1004-DJT-044
SAMPLING DATE : 10/6/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)		CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ND (1.0)	ND	ND		2.80E-01		--	–	–
1,1-DICHLOROETHANE	ND (1.0)	ND	ND		1.00E-01		–	–	–
1,1-DICHLOROETHENE	ND (1.0)	ND	ND		5.00E-02		–	–	–
1,2-DICHLOROETHANE	ND (1.0)	ND	ND		2.00E-02		–	–	–
ACETONE	ND (10)	ND	ND		9.00E-01		–	–	–
BENZENE	ND (1.0)	ND	ND		4.00E-03		–	–	–
CHLOROBENZENE	ND (1.0)	ND	ND		2.00E-02		–	–	–
CHLOROETHANE	ND (1.0)	ND	ND		4.00E-01		–	–	–
CHLOROFORM	ND (1.0)	ND	ND		1.00E-02		–	–	–
CHLOROMETHANE	ND (1.0)	ND	ND		NA		–	–	–
CIS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		1.00E-02		–	–	–
ETHYLBENZENE	ND (1.0)	ND	ND		1.00E-01		–	–	–
METHYLENE CHLORIDE	ND (2.0)	ND	ND		6.00E-02		–	–	–
TOLUENE	ND (1.0)	ND	ND		2.00E-01		–	–	–
TRANS-1,2-DICHLOROETHYLENE	ND (1.0)	ND	ND		2.00E-02		–	–	–
TRICHLOROETHENE (dated)	ND (1.0)	ND	ND		6.00E-03		–	–	–
TRICHLOROETHENE (current)	ND (1.0)	ND	ND		3.00E-04		–	–	–
VINYL CHLORIDE	ND (1.0)	ND	ND		3.00E-03		–	–	–
XYLENES, TOTAL	ND (1.0)	ND	ND		2.00E-01		–	–	–
ACID EXTRACTABLES									
2,4-DIMETHYLPHENOL	ND (5.0)	ND	ND		2.00E-02		–	–	–
2-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-02		–	–	–
3 & 4-METHYLPHENOL	ND (5.0)	ND	ND		5.00E-03		–	–	–
4-CHLORO-3-METHYLPHENOL	ND (5.0)	ND	ND		NA		–	–	–
PHENOL	ND (5.0)	ND	ND		6.00E-01		–	–	–
BASE/NEUTRAL EXTRACTABLES									
1,2-DICHLOROBENZENE	ND (2.0)	ND	ND		9.00E-02		–	–	–
2-METHYLNAPHTHALENE	ND (2.0)	ND	ND		4.00E-03		–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND (2.0)	ND	ND		2.00E-02		–	–	–
DIETHYLPHTHALATE	ND (2.0)	ND	ND		8.00E-01		–	–	–
NAPHTHALENE	ND (2.0)	ND	ND		2.00E-02		–	–	–
PESTICIDES									
4,4'-DDD	ND (0.020)	ND	ND		NA		–	–	–
4,4'-DDT	ND (0.020)	ND	ND		5.00E-04		–	–	–
alpha-BHC	ND (0.020)	ND	ND		NA		–	–	–
ENDOSULFAN I	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
ENDOSULFAN II	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
ENDOSULFAN SULFATE	ND (0.020)	ND	ND		6.00E-03	(4)	–	–	–
gamma-BHC (LINDANE)	ND (0.020)	ND	ND		3.00E-04		–	–	–

TABLE : 39

SITE : SUMMIT NATIONAL
SECTOR : UPPER SHARON UNIT
LOCATION : MW-421
SAMPLE ID : WG-6029-1004-DJT-044
SAMPLING DATE : 10/6/2004
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (µg/L)	BACKGROUND CONCENTRATION (1) MEAN (µg/L)	BACKGROUND CONCENTRATION (1) 95 % RME (µg/L)	COC	REFERENCE DOSE (2) (mg/kg/day)	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
METALS (TOTAL)								
ALUMINUM	1820	2.93E+02	5.40E+02	X	1.00E+00	4.99E-02	4.99E-02	1.30
ANTIMONY	ND (5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	5.4	ND	ND	X	3.00E-04	1.48E-04	4.93E-01	12.82
BARIUM	ND (200)	ND	ND		7.00E-02	--	--	--
CADMIUM	ND (1.0	ND	ND		5.00E-04	--	--	--
CALCIUM	9410	3.97E+03	6.91E+03	X	NA	2.58E-01	--	--
CHROMIUM	20.4	ND	ND	X	1.50E+00	5.59E-04	3.73E-04	0.01
COBALT	ND (50)	ND	ND		2.00E-02	--	--	--
COPPER	85.3	ND	ND	X	4.00E-02	2.34E-03	5.84E-02	1.52
IRON	32100	6.53E+03	8.89E+03	X	3.00E-01	8.79E-01	2.93E+00	76.22
LEAD	3.3	ND	ND	X	NA	9.04E-05	--	--
MAGNESIUM	ND (5000)	ND	ND		NA	--	--	--
MANGANESE	444	6.29E+01	9.36E+01	X	4.67E-02	1.22E-02	2.60E-01	6.77
NICKEL	38.3	ND	ND	X	2.00E-02	1.05E-03	5.25E-02	1.36
POTASSIUM	7010 J	4.35E+03	8.05E+03		NA	--	--	--
SELENIUM	ND (5.0)	ND	ND		5.00E-03	--	--	--
SODIUM	510000	5.96E+05	8.12E+05		NA	--	--	--
VANADIUM	ND (50)	ND	ND		1.00E-03	--	--	--
ZINC	ND (20)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 3.85E+00

TOTAL PERCENT : 100

NOTES :

NA= Not available.
ND( ) = Not detected at quantitation limit in parenthesis.
J = Associated value is an estimated quantity.
(1) Background concentrations for this unit based on sampling locations: MW-414, MW-415, MW-422.
(2) Reference Dose - A measure of the non-carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); November 2004.
: Health Effects Assessment Table (HEAST); July 1997.
: Region III Risk-Based Concentration Table, October 2004. Provisional values supplied by NCEA.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Endosulfan substituted.

ATTACHMENT H

1994 TO 2004 GROUNDWATER DETECTION SUMMARY

Table H.1
Summit National Site
Summary of Groundwater Data
Water Table Unit Monitoring Wells Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
Volatile Organic Compounds					
1,1,1-Trichloroethane	ug/l	186	35	0.66	1300
1,1,2,2-Tetrachloroethane	ug/l	101	0	--	--
1,1,2-Trichloroethane	ug/l	101	1	32	32
1,1-Dichloroethane	ug/l	335	89	0.91	1500
1,1-Dichloroethene	ug/l	102	5	1.1	21
1,2-Dichloroethane	ug/l	333	75	0.69	1800
1,2-Dichloroethene (total)	ug/l	272	50	1.1	220
1,2-Dichloropropane	ug/l	101	0	--	--
2-Butanone (Methyl Ethyl Ketone)	ug/l	312	12	85.2	18000
2-Hexanone	ug/l	101	0	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/l	101	2	1200	1300
Acetone	ug/l	334	30	3.4	34000
Benzene	ug/l	185	19	0.34	100
Bromodichloromethane	ug/l	101	0	--	--
Bromoform	ug/l	101	0	--	--
Bromomethane (Methyl Bromide)	ug/l	101	0	--	--
Carbon disulfide	ug/l	101	0	--	--
Carbon tetrachloride	ug/l	101	0	--	--
Chlorobenzene	ug/l	101	1	53.4	53.4
Chloroethane	ug/l	184	1	1.6	1.6
Chloroform (Trichloromethane)	ug/l	101	2	0.66	8
Chloromethane (Methyl Chloride)	ug/l	101	1	0.71	0.71
cis-1,2-Dichloroethene	ug/l	122	27	1.1	281
cis-1,3-Dichloropropene	ug/l	101	0	--	--
Dibromochloromethane	ug/l	101	0	--	--
Ethylbenzene	ug/l	332	23	65.1	1070
Methylene chloride	ug/l	102	4	6	380
Styrene	ug/l	101	0	--	--
Tetrachloroethene	ug/l	184	1	18	18
Toluene	ug/l	333	27	2	9700
trans-1,2-Dichloroethene	ug/l	41	4	2	51
trans-1,3-Dichloropropene	ug/l	101	0	--	--
Trichloroethene	ug/l	312	32	1.5	349
Vinyl acetate	ug/l	2	0	--	--
Vinyl chloride	ug/l	184	19	1.1	260
Xylene (total)	ug/l	333	27	1.9	3580

Table H.1
Summit National Site
Summary of Groundwater Data
Water Table Unit Monitoring Wells Deerfield, Ohio
1994 - 2004

	Units	Number of Samples	Number of Detects	Minimum Detected Value	Maximum Detected Value
Acid Extractables					
2,4,5-Trichlorophenol	ug/l	73	0	--	--
2,4,6-Trichlorophenol	ug/l	73	0	--	--
2,4-Dichlorophenol	ug/l	73	0	--	--
2,4-Dimethylphenol	ug/l	80	7	4.9	29
2,4-Dinitrophenol	ug/l	73	0	--	--
2-Chlorophenol	ug/l	73	0	--	--
2-Methylphenol	ug/l	80	7	9	63
2-Nitrophenol	ug/l	73	0	--	--
3&4-Methylphenol	ug/l	43	4	6.6	104
4,6-Dinitro-2-methylphenol	ug/l	72	0	--	--
4-Chloro-3-methylphenol	ug/l	72	2	8.4	18
4-Methylphenol	ug/l	37	4	2	450
4-Nitrophenol	ug/l	73	0	--	--
Pentachlorophenol	ug/l	73	0	--	--
Phenol	ug/l	80	4	45.4	310
Phenolics (Total)	mg/l	2	1	0.06	0.06
Base/Neutral Extractables					
1,2,4-Trichlorobenzene	ug/l	88	0	--	--
1,2-Dichlorobenzene	ug/l	88	1	2	2
1,3-Dichlorobenzene	ug/l	88	0	--	--
1,4-Dichlorobenzene	ug/l	88	0	--	--
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/l	88	0	--	--
2,4-Dinitrotoluene	ug/l	88	0	--	--
2,6-Dinitrotoluene	ug/l	88	0	--	--
2-Chloronaphthalene	ug/l	88	0	--	--
2-Methylnaphthalene	ug/l	88	3	0.53	12
2-Nitroaniline	ug/l	88	0	--	--
3,3'-Dichlorobenzidine	ug/l	88	0	--	--
3-Nitroaniline	ug/l	88	0	--	--
4-Bromophenyl phenyl ether	ug/l	88	0	--	--
4-Chloroaniline	ug/l	88	0	--	--
4-Chlorophenyl phenyl ether	ug/l	88	0	--	--
4-Nitroaniline	ug/l	88	0	--	--
Acenaphthene	ug/l	88	0	--	--
Acenaphthylene	ug/l	88	0	--	--
Aniline	ug/l	2	0	--	--
Anthracene	ug/l	88	0	--	--
Benzo(a)anthracene	ug/l	88	0	--	--
Benzo(a)pyrene	ug/l	88	0	--	--

Table H.1
Summit National Site
Summary of Groundwater Data
Water Table Unit Monitoring Wells Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Defects*	*Minimum Detected Value*	*Maximum Detected Value*
Base/Neutral Etractibles (cont'd)					
Benzo(b)fluoranthene	ug/l	86	0	--	--
Benzo(g,h,i)perylene	ug/l	88	0	--	--
Benzo(k)fluoranthene	ug/l	88	0	--	--
Benzoic acid	ug/l	2	0	--	--
Benzyl Alcohol	ug/l	2	0	--	--
bis(2-Chloroethoxy)methane	ug/l	88	0	--	--
bis(2-Chloroethyl)ether	ug/l	88	0	--	--
bis(2-Ethylhexyl)phthalate	ug/l	90	10	0.54	13
Butyl benzylphthalate	ug/l	86	0	--	--
Carbazole	ug/l	88	0	--	--
Chrysene	ug/l	88	0	--	--
Dibenz(a,h)anthracene	ug/l	88	0	--	--
Dibenzofuran	ug/l	88	0	--	--
Diethyl phthalate	ug/l	88	3	0.47	4.4
Dimethyl phthalate	ug/l	88	0	--	--
Di-n-butylphthalate	ug/l	88	5	1	3.1
Di-n-octyl phthalate	ug/l	88	0	--	--
Fluoranthene	ug/l	88	0	--	--
Fluorene	ug/l	88	0	--	--
Hexachlorobenzene	ug/l	88	0	--	--
Hexachlorobutadiene	ug/l	88	0	--	--
Hexachlorocyclopentadiene	ug/l	88	0	--	--
Hexachloroethane	ug/l	88	0	--	--
Indeno(1,2,3-cd)pyrene	ug/l	88	0	--	--
Isophorone	ug/l	97	8	3.8	50
Naphthalene	ug/l	88	3	1.9	10.7
Nitrobenzene	ug/l	88	0	--	--
N-Nitrosodimethylamine	ug/l	2	0	--	--
N-Nitrosodi-n-propylamine	ug/l	88	0	--	--
N-Nitrosodiphenylamine	ug/l	38	0	--	--
Phenanthrene	ug/l	88	0	--	--
Pyrene	ug/l	88	0	--	--

Table H.1
Summit National Site
Summary of Groundwater Data
Water Table Unit Monitoring Wells Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
Pesticides					
4,4'-DDD	ug/l	92	0	--	--
4,4'-DDE	ug/l	92	0	--	--
4,4'-DDT	ug/l	92	0	--	--
Aldrin	ug/l	93	1	0.6	0.6
alpha-BHC	ug/l	93	1	1	1
alpha-Chlordane	ug/l	38	0	--	--
beta-BHC	ug/l	93	1	0.3	0.3
Chlordane	ug/l	54	0	--	--
delta-BHC	ug/l	92	0	--	--
Dieldrin	ug/l	92	0	--	--
Endosulfan I	ug/l	92	0	--	--
Endosulfan II	ug/l	92	0	--	--
Endosulfan sulfate	ug/l	92	0	--	--
Endrin	ug/l	92	0	--	--
Endrin aldehyde	ug/l	74	0	--	--
Endrin ketone	ug/l	41	0	--	--
gamma-BHC (Lindane)	ug/l	93	1	0.2	0.2
gamma-Chlordane	ug/l	38	0	--	--
Heptachlor	ug/l	93	1	0.4	0.4
Heptachlor epoxide	ug/l	92	0	--	--
Methoxychlor	ug/l	92	0	--	--
Toxaphene	ug/l	92	0	--	--
PCBs					
Aroclor-1016 (PCB-1016)	ug/l	92	0	--	--
Aroclor-1221 (PCB-1221)	ug/l	92	0	--	--
Aroclor-1232 (PCB-1232)	ug/l	92	0	--	--
Aroclor-1242 (PCB-1242)	ug/l	92	0	--	--
Aroclor-1248 (PCB-1248)	ug/l	92	2	2	39.7
Aroclor-1254 (PCB-1254)	ug/l	92	0	--	--
Aroclor-1260 (PCB-1260)	ug/l	92	0	--	--

Table H.1
Summit National Site
Summary of Groundwater Data
Water Table Unit Monitoring Wells Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
Inorganic Compounds					
Aluminum	ug/l	98	95	126	170000
Aluminum (Dissolved)	ug/l	29	20	61	5100
Antimony	ug/l	97	1	5.6	5.6
Antimony (Dissolved)	ug/l	28	0	--	--
Arsenic	ug/l	#NAME?	#NAME?	#NAME?	#NAME?
Arsenic (Dissolved)	ug/l	28	6	6	46.8
Barium	ug/l	97	64	8	1700
Barium (Dissolved)	ug/l	28	27	7	1040
Beryllium	ug/l	97	10	5	16
Beryllium (Dissolved)	ug/l	28	0	--	--
Cadmium	ug/l	247	53	1	87
Cadmium (Dissolved)	ug/l	28	6	5	12
Calcium	ug/l	98	98	5600	570000
Calcium (Dissolved)	ug/l	29	29	37000	627000
Chromium Total	ug/l	97	64	10	290
Chromium Total (Dissolved)	ug/l	29	1	4.2	4.2
Cobalt	ug/l	97	43	10	232
Cobalt (Dissolved)	ug/l	28	16	10	100
Copper	ug/l	98	67	2	350
Copper (Dissolved)	ug/l	28	21	2	11
Cyanide (total)	ug/l	12	0	--	--
Iron	ug/l	98	98	890	540000
Iron (Dissolved)	ug/l	29	29	150	210000
Lead	ug/l	328	190	1	190
Lead (Dissolved)	ug/l	26	4	2	6
Magnesium	ug/l	98	98	2300	600000
Magnesium (Dissolved)	ug/l	28	28	20300	410000
Manganese	ug/l	98	98	81	13000
Manganese (Dissolved)	ug/l	30	30	550	8500
Mercury	ug/l	97	7	0.33	1.6
Mercury (Dissolved)	ug/l	28	1	0.3	0.3
Nickel	ug/l	328	194	11	770
Nickel (Dissolved)	ug/l	29	21	11	146
Potassium	ug/l	97	93	1400	35700
Potassium (Dissolved)	ug/l	30	30	4400	25000
Selenium	ug/l	96	10	5.1	19
Selenium (Dissolved)	ug/l	28	0	--	--
Silver	ug/l	96	0	--	--
Silver (Dissolved)	ug/l	28	0	--	--
Sodium	ug/l	97	94	2700	530000
Sodium (Dissolved)	ug/l	30	30	18000	300000

Table H.1
Summit National Site
Summary of Groundwater Data
Water Table Unit Monitoring Wells Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
Thallium	ug/l	96	2	12.3	12.5
Thallium (Dissolved)	ug/l	28	0	--	--
Tin	ug/l	1	1	36	36
Vanadium	ug/l	97	21	5.2	289
Vanadium (Dissolved)	ug/l	29	1	26	26
Zinc	ug/l	97	80	18	11700
Zinc (Dissolved)	ug/l	30	29	20	1900
General Chemistry					
Alkalinity - Pheno	mg/l	2	0	--	--
Alkalinity, Total (As CaCO3)	mg/l	3	3	220	840
Ammonia	mg/l	3	3	3	5
Biochemical Oxygen Demand (BOD)	mg/l	2	0	--	--
Chemical Oxygen Demand (COD)	mg/l	2	2	40	140
Chloride	mg/l	3	3	10	311
Cyanide (total)	ug/l	72	4	6	1200
Nitrate (as N)	mg/l	2	0	--	--
Nitrite (as N)	mg/l	2	0	--	--
Phosphate, Total	mg/l	2	1	0.4	0.4
Sulfate	mg/l	3	3	1530	1900
Total Dissolved Solids (TDS)	mg/l	3	3	2700	3900
Total Suspended Solids (TSS)	mg/l	3	3	40	460

Table H.2
Summit National Site
Summary of Groundwater Data
Upper Intermediate Unit Monitoring Wells
Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
Volatile Organic Compounds					
1,1,1-Trichloroethane	ug/l	110	1	0.34	0.34
1,1,2,2-Tetrachloroethane	ug/l	58	0	--	--
1,1,2-Trichloroethane	ug/l	58	0	--	--
1,1-Dichloroethane	ug/l	206	13	1.8	3.9
1,1-Dichloroethene	ug/l	58	0	--	--
1,2-Dichloroethane	ug/l	206	20	1	8.9
1,2-Dichloroethene (total)	ug/l	167	10	2.3	6
1,2-Dichloropropane	ug/l	58	0	--	--
2-Butanone (Methyl Ethyl Ketone)	ug/l	193	1	7.8	7.8
2-Hexanone	ug/l	58	0	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/l	58	0	--	--
Acetone	ug/l	206	8	3.2	1200
Benzene	ug/l	110	0	--	--
Bromodichloromethane	ug/l	58	0	--	--
Bromoform	ug/l	58	0	--	--
Bromomethane (Methyl Bromide)	ug/l	58	0	--	--
Carbon disulfide	ug/l	58	0	--	--
Carbon tetrachloride	ug/l	58	0	--	--
Chlorobenzene	ug/l	58	0	--	--
Chloroethane	ug/l	110	0	--	--
Chloroform (Trichloromethane)	ug/l	58	0	--	--
Chloromethane (Methyl Chloride)	ug/l	58	0	--	--
cis-1,2-Dichloroethene	ug/l	78	6	1.8	2.8
cis-1,3-Dichloropropene	ug/l	58	0	--	--
Dibromochloromethane	ug/l	58	0	--	--
Ethylbenzene	ug/l	206	3	0.56	0.89
Methylene chloride	ug/l	58	1	7	7
Styrene	ug/l	58	0	--	--
Tetrachloroethene	ug/l	110	1	11	11
Toluene	ug/l	206	2	6.2	6.7
trans-1,2-Dichloroethene	ug/l	26	0	--	--
trans-1,3-Dichloropropene	ug/l	58	0	--	--
Trichloroethene	ug/l	193	0	--	--
Vinyl chloride	ug/l	110	0	--	--
Xylene (total)	ug/l	206	3	1.5	3.2

Table H.2
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Summary of Groundwater Data
Upper Intermediate Unit Monitoring Wells
Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
Acid Extractables					
2,4,5-Trichlorophenol	ug/l	53	0	--	--
2,4,6-Trichlorophenol	ug/l	53	0	--	--
2,4-Dichlorophenol	ug/l	53	0	--	--
2,4-Dimethylphenol	ug/l	59	0	--	--
2,4-Dinitrophenol	ug/l	53	0	--	--
2-Chlorophenol	ug/l	53	0	--	--
2-Methylphenol	ug/l	59	0	--	--
2-Nitrophenol	ug/l	53	0	--	--
3&4-Methylphenol	ug/l	32	0	--	--
4,6-Dinitro-2-methylphenol	ug/l	53	0	--	--
4-Chloro-3-methylphenol	ug/l	53	0	--	--
4-Methylphenol	ug/l	27	0	--	--
4-Nitrophenol	ug/l	53	0	--	--
Pentachlorophenol	ug/l	53	0	--	--
Phenol	ug/l	60	0	--	--
Base/Neutral Extractables					
1,2,4-Trichlorobenzene	ug/l	56	0	--	--
1,2-Dichlorobenzene	ug/l	56	0	--	--
1,3-Dichlorobenzene	ug/l	56	0	--	--
1,4-Dichlorobenzene	ug/l	56	0	--	--
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/l	56	0	--	--
2,4-Dinitrotoluene	ug/l	56	0	--	--
2,6-Dinitrotoluene	ug/l	56	0	--	--
2-Chloronaphthalene	ug/l	56	0	--	--
2-Methylnaphthalene	ug/l	56	0	--	--
2-Nitroaniline	ug/l	56	0	--	--
3,3'-Dichlorobenzidine	ug/l	56	0	--	--
3-Nitroaniline	ug/l	56	0	--	--
4-Bromophenyl phenyl ether	ug/l	56	0	--	--
4-Chloroaniline	ug/l	56	0	--	--
4-Chlorophenyl phenyl ether	ug/l	56	0	--	--
4-Nitroaniline	ug/l	56	0	--	--
Acenaphthene	ug/l	56	0	--	--
Acenaphthylene	ug/l	56	0	--	--
Anthracene	ug/l	56	0	--	--
Benzo(a)anthracene	ug/l	56	0	--	--
Benzo(a)pyrene	ug/l	56	0	--	--

Table H.2
Summit National Site
Summary of Groundwater Data
Upper Intermediate Unit Monitoring Wells
Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
Base/Neutral Etractibles (cont'd)					
Benzo(b)fluoranthene	ug/l	56	0	--	--
Benzo(g,h,i)perylene	ug/l	56	0	--	--
Benzo(k)fluoranthene	ug/l	56	0	--	--
bis(2-Chloroethoxy)methane	ug/l	56	0	--	--
bis(2-Chloroethyl)ether	ug/l	56	0	--	--
bis(2-Ethylhexyl)phthalate	ug/l	57	7	0.61	44
Butyl benzylphthalate	ug/l	56	0	--	--
Carbazole	ug/l	56	0	--	--
Chrysene	ug/l	56	0	--	--
Dibenz(a,h)anthracene	ug/l	56	0	--	--
Dibenzofuran	ug/l	56	0	--	--
Diethyl phthalate	ug/l	56	0	--	--
Dimethyl phthalate	ug/l	56	0	--	--
Di-n-butylphthalate	ug/l	56	4	0.95	3.9
Di-n-octyl phthalate	ug/l	56	0	--	--
Fluoranthene	ug/l	56	0	--	--
Fluorene	ug/l	56	0	--	--
Hexachlorobenzene	ug/l	56	0	--	--
Hexachlorobutadiene	ug/l	56	0	--	--
Hexachlorocyclopentadiene	ug/l	56	0	--	--
Hexachloroethane	ug/l	56	0	--	--
Indeno(1,2,3-cd)pyrene	ug/l	56	0	--	--
Isophorone	ug/l	62	0	--	--
Naphthalene	ug/l	56	0	--	--
Nitrobenzene	ug/l	56	0	--	--
N-Nitrosodi-n-propylamine	ug/l	56	0	--	--
N-Nitrosodiphenylamine	ug/l	26	0	--	--
Phenanthrene	ug/l	56	0	--	--
Pyrene	ug/l	56	0	--	--

Table H.2
Summit National Site
Summary of Groundwater Data
Upper Intermediate Unit Monitoring Wells
Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
Pesticides					
4,4'-DDD	ug/l	58	0	--	--
4,4'-DDE	ug/l	58	0	--	--
4,4'-DDT	ug/l	58	0	--	--
Aldrin	ug/l	58	0	--	--
alpha-BHC	ug/l	58	0	--	--
alpha-Chlordane	ug/l	26	0	--	--
beta-BHC	ug/l	58	0	--	--
Chlordane	ug/l	32	0	--	--
delta-BHC	ug/l	58	0	--	--
Dieldrin	ug/l	58	0	--	--
Endosulfan I	ug/l	58	0	--	--
Endosulfan II	ug/l	58	0	--	--
Endosulfan sulfate	ug/l	58	0	--	--
Endrin	ug/l	58	0	--	--
Endrin aldehyde	ug/l	45	0	--	--
Endrin ketone	ug/l	27	0	--	--
gamma-BHC (Lindane)	ug/l	58	0	--	--
gamma-Chlordane	ug/l	26	0	--	--
Heptachlor	ug/l	58	0	--	--
Heptachlor epoxide	ug/l	58	0	--	--
Methoxychlor	ug/l	58	0	--	--
Toxaphene	ug/l	58	0	--	--
PCBs					
Aroclor-1016 (PCB-1016)	ug/l	58	0	--	--
Aroclor-1221 (PCB-1221)	ug/l	58	0	--	--
Aroclor-1232 (PCB-1232)	ug/l	58	0	--	--
Aroclor-1242 (PCB-1242)	ug/l	58	0	--	--
Aroclor-1248 (PCB-1248)	ug/l	58	2	4.1	10.6
Aroclor-1254 (PCB-1254)	ug/l	58	0	--	--
Aroclor-1260 (PCB-1260)	ug/l	58	0	--	--

Table H.2
Summit National Site
Summary of Groundwater Data
Upper Intermediate Unit Monitoring Wells
Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
Inorganic Compounds					
Aluminum	ug/l	57	45	190	40800
Aluminum (Dissolved)	ug/l	7	1	80	80
Antimony	ug/l	56	1	5.4	5.4
Antimony (Dissolved)	ug/l	8	1	10	10
Arsenic	ug/l	57	16	3	22
Arsenic (Dissolved)	ug/l	9	1	31	31
Barium	ug/l	57	31	9	2500
Barium (Dissolved)	ug/l	8	8	10	1000
Beryllium	ug/l	57	0	--	--
Beryllium (Dissolved)	ug/l	8	0	--	--
Cadmium	ug/l	153	12	1	10.6
Cadmium (Dissolved)	ug/l	8	0	--	--
Calcium	ug/l	57	57	6500	520000
Calcium (Dissolved)	ug/l	8	8	6100	470000
Chromium Total	ug/l	57	33	10.8	118
Chromium Total (Dissolved)	ug/l	8	0	--	--
Cobalt	ug/l	57	15	10	40
Cobalt (Dissolved)	ug/l	8	1	10	10
Copper	ug/l	57	33	3	2840
Copper (Dissolved)	ug/l	8	6	3	14
Cyanide (total)	ug/l	7	0	--	--
Iron	ug/l	57	57	160	183000
Iron (Dissolved)	ug/l	8	8	30	74000
Lead	ug/l	205	91	2	79.8
Lead (Dissolved)	ug/l	7	0	--	--
Magnesium	ug/l	57	53	2800	260000
Magnesium (Dissolved)	ug/l	5	5	2600	190000
Manganese	ug/l	56	53	19.9	6910
Manganese (Dissolved)	ug/l	9	9	6	3300
Mercury	ug/l	57	1	0.22	0.22
Mercury (Dissolved)	ug/l	8	0	--	--
Nickel	ug/l	205	57	14.9	152
Nickel (Dissolved)	ug/l	9	1	30	30
Potassium	ug/l	57	57	4000	31300
Potassium (Dissolved)	ug/l	8	8	4120	17000
Selenium	ug/l	57	1	10.1	10.1
Selenium (Dissolved)	ug/l	8	0	--	--
Silver	ug/l	57	1	10	10
Silver (Dissolved)	ug/l	8	0	--	--

Table H.2
Summit National Site
Summary of Groundwater Data
Upper Intermediate Unit Monitoring Wells
Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
Sodium	ug/l	57	57	23000	780000
Sodium (Dissolved)	ug/l	8	8	121000	550000
Thallium	ug/l	57	0	--	--
Thallium (Dissolved)	ug/l	7	0	--	--
Vanadium	ug/l	57	4	50	84
Vanadium (Dissolved)	ug/l	8	0	--	--
Zinc	ug/l	57	36	10	340
Zinc (Dissolved)	ug/l	8	6	30	64
General Chemistry					
Cyanide (total)	ug/l	44	0	--	--

Table H.3
Summit National Site
Summary of Groundwater Data
Lower Intermediate Unit Monitoring Wells
Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
Volatile Organic Compounds					
1,1,1-Trichloroethane	ug/l	132	0	--	--
1,1,2,2-Tetrachloroethane	ug/l	69	0	--	--
1,1,2-Trichloroethane	ug/l	69	0	--	--
1,1-Dichloroethane	ug/l	240	2	0.61	0.64
1,1-Dichloroethene	ug/l	69	0	--	--
1,2-Dichloroethane	ug/l	240	10	2.2	3.6
1,2-Dichloroethene (total)	ug/l	191	0	--	--
1,2-Dichloropropane	ug/l	69	0	--	--
2-Butanone (Methyl Ethyl Ketone)	ug/l	225	0	--	--
2-Hexanone	ug/l	69	0	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/l	69	0	--	--
Acetone	ug/l	240	3	65	130
Benzene	ug/l	132	0	--	--
Bromodichloromethane	ug/l	69	0	--	--
Bromoform	ug/l	69	0	--	--
Bromomethane (Methyl Bromide)	ug/l	69	0	--	--
Carbon disulfide	ug/l	69	0	--	--
Carbon tetrachloride	ug/l	69	0	--	--
Chlorobenzene	ug/l	69	0	--	--
Chloroethane	ug/l	132	0	--	--
Chloroform (Trichloromethane)	ug/l	69	0	--	--
Chloromethane (Methyl Chloride)	ug/l	69	0	--	--
cis-1,2-Dichloroethene	ug/l	97	0	--	--
cis-1,3-Dichloropropene	ug/l	69	0	--	--
Dibromochloromethane	ug/l	69	0	--	--
Ethylbenzene	ug/l	240	0	--	--
Methylene chloride	ug/l	69	1	6	6
Styrene	ug/l	69	0	--	--
Tetrachloroethene	ug/l	132	0	--	--
Toluene	ug/l	240	3	1.1	5
trans-1,2-Dichloroethene	ug/l	34	0	--	--
trans-1,3-Dichloropropene	ug/l	69	0	--	--
Trichloroethene	ug/l	225	0	--	--
Vinyl chloride	ug/l	132	0	--	--
Xylene (total)	ug/l	240	3	0.63	1.6

Table H.3
Summit National Site
Summary of Groundwater Data
Lower Intermediate Unit Monitoring Wells
Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
Acid Extractables					
2,4,5-Trichlorophenol	ug/l	68	0	--	--
2,4,6-Trichlorophenol	ug/l	68	0	--	--
2,4-Dichlorophenol	ug/l	68	0	--	--
2,4-Dimethylphenol	ug/l	68	0	--	--
2,4-Dinitrophenol	ug/l	68	0	--	--
2-Chlorophenol	ug/l	68	0	--	--
2-Methylphenol	ug/l	68	0	--	--
2-Nitrophenol	ug/l	68	0	--	--
3&4-Methylphenol	ug/l	34	0	--	--
4,6-Dinitro-2-methylphenol	ug/l	68	0	--	--
4-Chloro-3-methylphenol	ug/l	68	0	--	--
4-Methylphenol	ug/l	34	0	--	--
4-Nitrophenol	ug/l	68	0	--	--
Pentachlorophenol	ug/l	68	0	--	--
Phenol	ug/l	68	0	--	--
Base/Neutral Extractables					
1,2,4-Trichlorobenzene	ug/l	69	0	--	--
1,2-Dichlorobenzene	ug/l	69	0	--	--
1,3-Dichlorobenzene	ug/l	69	0	--	--
1,4-Dichlorobenzene	ug/l	69	0	--	--
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/l	69	0	--	--
2,4-Dinitrotoluene	ug/l	69	0	--	--
2,6-Dinitrotoluene	ug/l	69	0	--	--
2-Chloronaphthalene	ug/l	69	0	--	--
2-Methylnaphthalene	ug/l	69	0	--	--
2-Nitroaniline	ug/l	69	0	--	--
3,3'-Dichlorobenzidine	ug/l	69	0	--	--
3-Nitroaniline	ug/l	69	0	--	--
4-Bromophenyl phenyl ether	ug/l	69	0	--	--
4-Chloroaniline	ug/l	69	0	--	--
4-Chlorophenyl phenyl ether	ug/l	69	0	--	--
4-Nitroaniline	ug/l	69	0	--	--
Acenaphthene	ug/l	69	0	--	--
Acenaphthylene	ug/l	69	0	--	--
Anthracene	ug/l	69	0	--	--
Benzo(a)anthracene	ug/l	69	0	--	--
Benzo(a)pyrene	ug/l	69	0	--	--

Table H.3
Summit National Site
Summary of Groundwater Data
Lower Intermediate Unit Monitoring Wells
Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
Base/Neutral Etractibles (cont'd)					
Benzo(b)fluoranthene	ug/l	69	0	--	--
Benzo(g,h,i)perylene	ug/l	69	0	--	--
Benzo(k)fluoranthene	ug/l	69	0	--	--
bis(2-Chloroethoxy)methane	ug/l	69	0	--	--
bis(2-Chloroethyl)ether	ug/l	69	0	--	--
bis(2-Ethylhexyl)phthalate	ug/l	69	10	0.69	14
Butyl benzylphthalate	ug/l	69	0	--	--
Carbazole	ug/l	69	0	--	--
Chrysene	ug/l	69	0	--	--
Dibenz(a,h)anthracene	ug/l	69	0	--	--
Dibenzofuran	ug/l	69	0	--	--
Diethyl phthalate	ug/l	69	0	--	--
Dimethyl phthalate	ug/l	69	0	--	--
Di-n-butylphthalate	ug/l	69	7	0.56	4.4
Di-n-octyl phthalate	ug/l	69	0	--	--
Fluoranthene	ug/l	69	0	--	--
Fluorene	ug/l	69	0	--	--
Hexachlorobenzene	ug/l	69	0	--	--
Hexachlorobutadiene	ug/l	69	0	--	--
Hexachlorocyclopentadiene	ug/l	69	0	--	--
Hexachloroethane	ug/l	69	0	--	--
Indeno(1,2,3-cd)pyrene	ug/l	69	0	--	--
Isophorone	ug/l	69	0	--	--
Naphthalene	ug/l	69	0	--	--
Nitrobenzene	ug/l	69	0	--	--
N-Nitrosodi-n-propylamine	ug/l	69	0	--	--
N-Nitrosodiphenylamine	ug/l	34	0	--	--
Phenanthrene	ug/l	69	0	--	--
Pyrene	ug/l	69	0	--	--

Table H.3
Summit National Site
Summary of Groundwater Data
Lower Intermediate Unit Monitoring Wells
Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
Pesticides					
4,4'-DDD	ug/l	69	1	0.18	0.18
4,4'-DDE	ug/l	69	0	--	--
4,4'-DDT	ug/l	69	1	0.26	0.26
Aldrin	ug/l	69	0	--	--
alpha-BHC	ug/l	69	2	0.15	0.2
alpha-Chlordane	ug/l	34	0	--	--
beta-BHC	ug/l	69	0	--	--
Chlordane	ug/l	35	0	--	--
delta-BHC	ug/l	69	0	--	--
Dieldrin	ug/l	69	0	--	--
Endosulfan I	ug/l	69	2	0.22	0.29
Endosulfan II	ug/l	69	2	0.096	0.12
Endosulfan sulfate	ug/l	69	2	0.07	0.097
Endrin	ug/l	69	0	--	--
Endrin aldehyde	ug/l	51	0	--	--
Endrin ketone	ug/l	35	0	--	--
gamma-BHC (Lindane)	ug/l	69	1	0.024	0.024
gamma-Chlordane	ug/l	34	0	--	--
Heptachlor	ug/l	69	0	--	--
Heptachlor epoxide	ug/l	69	0	--	--
Methoxychlor	ug/l	69	1	1	1
Toxaphene	ug/l	69	1	2	2
PCBs					
Aroclor-1016 (PCB-1016)	ug/l	69	0	--	--
Aroclor-1221 (PCB-1221)	ug/l	69	0	--	--
Aroclor-1232 (PCB-1232)	ug/l	69	0	--	--
Aroclor-1242 (PCB-1242)	ug/l	69	0	--	--
Aroclor-1248 (PCB-1248)	ug/l	69	0	--	--
Aroclor-1254 (PCB-1254)	ug/l	69	0	--	--
Aroclor-1260 (PCB-1260)	ug/l	69	0	--	--

Table H.3
Summit National Site
Summary of Groundwater Data
Lower Intermediate Unit Monitoring Wells
Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
Inorganic Compounds					
Aluminum	ug/l	69	48	75	45000
Aluminum (Dissolved)	ug/l	8	5	56	350
Antimony	ug/l	69	3	5.9	13
Antimony (Dissolved)	ug/l	8	0	--	--
Arsenic	ug/l	69	8	3.8	34
Arsenic (Dissolved)	ug/l	8	0	--	--
Barium	ug/l	69	35	6	690
Barium (Dissolved)	ug/l	8	8	36	360
Beryllium	ug/l	69	0	--	--
Beryllium (Dissolved)	ug/l	8	0	--	--
Cadmium	ug/l	177	2	2.9	7
Cadmium (Dissolved)	ug/l	8	0	--	--
Calcium	ug/l	69	57	4070	451000
Calcium (Dissolved)	ug/l	8	8	2800	8190
Chromium Total	ug/l	69	40	10	259
Chromium Total (Dissolved)	ug/l	8	0	--	--
Cobalt	ug/l	69	4	10	90
Cobalt (Dissolved)	ug/l	8	0	--	--
Copper	ug/l	69	38	2	199
Copper (Dissolved)	ug/l	8	6	2	22
Cyanide (total)	ug/l	10	0	--	--
Iron	ug/l	69	65	85	130000
Iron (Dissolved)	ug/l	8	8	22	240
Lead	ug/l	240	88	1	58.2
Lead (Dissolved)	ug/l	6	2	2	36
Magnesium	ug/l	69	47	992	137000
Magnesium (Dissolved)	ug/l	3	3	690	1500
Manganese	ug/l	69	57	7	3000
Manganese (Dissolved)	ug/l	8	8	5	22
Mercury	ug/l	69	1	0.83	0.83
Mercury (Dissolved)	ug/l	8	0	--	--
Nickel	ug/l	240	51	10	210
Nickel (Dissolved)	ug/l	8	0	--	--
Potassium	ug/l	69	55	2800	28100
Potassium (Dissolved)	ug/l	8	8	2400	4520
Selenium	ug/l	69	0	--	--
Selenium (Dissolved)	ug/l	8	0	--	--
Silver	ug/l	69	1	10	10
Silver (Dissolved)	ug/l	8	0	--	--

Table H.3
Summit National Site
Summary of Groundwater Data
Lower Intermediate Unit Monitoring Wells
Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
Sodium	ug/l	69	69	187000	760000
Sodium (Dissolved)	ug/l	8	8	319000	540000
Thallium	ug/l	69	0	--	--
Thallium (Dissolved)	ug/l	8	0	--	--
Vanadium	ug/l	69	2	60	90
Vanadium (Dissolved)	ug/l	8	0	--	--
Zinc	ug/l	69	33	10	2300
Zinc (Dissolved)	ug/l	8	7	13	140
General Chemistry					
Cyanide (total)	ug/l	53	0	--	--

Table H.4
Summit National Site
Summary of Groundwater Data
Upper Sharon unit Monitoring Wells
Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
Volatile Organic Compounds					
1,1,1-Trichloroethane	ug/l	36	0	--	--
1,1,2,2-Tetrachloroethane	ug/l	17	0	--	--
1,1,2-Trichloroethane	ug/l	17	0	--	--
1,1-Dichloroethane	ug/l	36	0	--	--
1,1-Dichloroethene	ug/l	17	0	--	--
1,2-Dichloroethane	ug/l	36	0	--	--
1,2-Dichloroethene (total)	ug/l	20	0	--	--
1,2-Dichloropropane	ug/l	17	0	--	--
2-Butanone (Methyl Ethyl Ketone)	ug/l	36	0	--	--
2-Hexanone	ug/l	17	0	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/l	17	0	--	--
Acetone	ug/l	36	0	--	--
Benzene	ug/l	36	2	0.31	0.49
Bromodichloromethane	ug/l	17	0	--	--
Bromoform	ug/l	17	0	--	--
Bromomethane (Methyl Bromide)	ug/l	17	0	--	--
Carbon disulfide	ug/l	17	1	0.81	0.81
Carbon tetrachloride	ug/l	17	0	--	--
Chlorobenzene	ug/l	17	0	--	--
Chloroethane	ug/l	36	0	--	--
Chloroform (Trichloromethane)	ug/l	17	0	--	--
Chloromethane (Methyl Chloride)	ug/l	17	0	--	--
cis-1,2-Dichloroethene	ug/l	36	0	--	--
cis-1,3-Dichloropropene	ug/l	17	0	--	--
Dibromochloromethane	ug/l	17	0	--	--
Ethylbenzene	ug/l	36	0	--	--
Methylene chloride	ug/l	17	0	--	--
Styrene	ug/l	17	0	--	--
Tetrachloroethene	ug/l	36	0	--	--
Toluene	ug/l	36	0	--	--
trans-1,2-Dichloroethene	ug/l	17	0	--	--
trans-1,3-Dichloropropene	ug/l	17	0	--	--
Trichloroethene	ug/l	36	0	--	--
Vinyl chloride	ug/l	36	0	--	--
Xylene (total)	ug/l	36	0	--	--

Table H.4
Summit National Site
Summary of Groundwater Data
Upper Sharon unit Monitoring Wells
Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
Acid Extractables					
2,4,5-Trichlorophenol	ug/l	18	0	--	--
2,4,6-Trichlorophenol	ug/l	18	0	--	--
2,4-Dichlorophenol	ug/l	18	0	--	--
2,4-Dimethylphenol	ug/l	18	0	--	--
2,4-Dinitrophenol	ug/l	18	0	--	--
2-Chlorophenol	ug/l	18	0	--	--
2-Methylphenol	ug/l	18	0	--	--
2-Nitrophenol	ug/l	18	0	--	--
3&4-Methylphenol	ug/l	18	0	--	--
4,6-Dinitro-2-methylphenol	ug/l	18	0	--	--
4-Chloro-3-methylphenol	ug/l	18	0	--	--
4-Nitrophenol	ug/l	18	0	--	--
Pentachlorophenol	ug/l	18	0	--	--
Phenol	ug/l	18	0	--	--
Base/Neutral Extractables					
1,2,4-Trichlorobenzene	ug/l	18	0	--	--
1,2-Dichlorobenzene	ug/l	18	0	--	--
1,3-Dichlorobenzene	ug/l	18	0	--	--
1,4-Dichlorobenzene	ug/l	18	0	--	--
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/l	18	0	--	--
2,4-Dinitrotoluene	ug/l	18	0	--	--
2,6-Dinitrotoluene	ug/l	18	0	--	--
2-Chloronaphthalene	ug/l	18	0	--	--
2-Methylnaphthalene	ug/l	18	0	--	--
2-Nitroaniline	ug/l	18	0	--	--
3,3'-Dichlorobenzidine	ug/l	18	0	--	--
3-Nitroaniline	ug/l	18	0	--	--
4-Bromophenyl phenyl ether	ug/l	18	0	--	--
4-Chloroaniline	ug/l	18	0	--	--
4-Chlorophenyl phenyl ether	ug/l	18	0	--	--
4-Nitroaniline	ug/l	18	0	--	--
Acenaphthene	ug/l	18	0	--	--
Acenaphthylene	ug/l	18	0	--	--
Anthracene	ug/l	18	0	--	--
Benzo(a)anthracene	ug/l	18	0	--	--
Benzo(a)pyrene	ug/l	18	0	--	--
Benzo(b)fluoranthene	ug/l	18	0	--	--

Table H.4
Summit National Site
Summary of Groundwater Data
Upper Sharon unit Monitoring Wells
Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
Base/Neutral Etractibles (cont'd)					
Benzo(g,h,i)perylene	ug/l	18	0	--	--
Benzo(k)fluoranthene	ug/l	18	0	--	--
bis(2-Chloroethoxy)methane	ug/l	18	0	--	--
bis(2-Chloroethyl)ether	ug/l	18	0	--	--
bis(2-Ethylhexyl)phthalate	ug/l	18	0	--	--
Butyl benzylphthalate	ug/l	18	0	--	--
Carbazole	ug/l	18	0	--	--
Chrysene	ug/l	18	0	--	--
Dibenz(a,h)anthracene	ug/l	18	0	--	--
Dibenzofuran	ug/l	18	0	--	--
Diethyl phthalate	ug/l	18	0	--	--
Dimethyl phthalate	ug/l	18	0	--	--
Di-n-butylphthalate	ug/l	18	0	--	--
Di-n-octyl phthalate	ug/l	18	0	--	--
Fluoranthene	ug/l	18	0	--	--
Fluorene	ug/l	18	0	--	--
Hexachlorobenzene	ug/l	18	0	--	--
Hexachlorobutadiene	ug/l	18	0	--	--
Hexachlorocyclopentadiene	ug/l	18	0	--	--
Hexachloroethane	ug/l	18	0	--	--
Indeno(1,2,3-cd)pyrene	ug/l	18	0	--	--
Isophorone	ug/l	18	0	--	--
Naphthalene	ug/l	18	1	0.81	0.81
Nitrobenzene	ug/l	18	0	--	--
N-Nitrosodi-n-propylamine	ug/l	18	0	--	--
N-Nitrosodiphenylamine	ug/l	18	0	--	--
Phenanthrene	ug/l	18	0	--	--
Pyrene	ug/l	18	0	--	--

Table H.4
Summit National Site
Summary of Groundwater Data
Upper Sharon unit Monitoring Wells
Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
Pesticides					
4,4'-DDD	ug/l	18	0	--	--
4,4'-DDE	ug/l	18	0	--	--
4,4'-DDT	ug/l	18	0	--	--
Aldrin	ug/l	18	0	--	--
alpha-BHC	ug/l	18	0	--	--
alpha-Chlordane	ug/l	18	0	--	--
beta-BHC	ug/l	18	0	--	--
delta-BHC	ug/l	18	0	--	--
Dieldrin	ug/l	18	0	--	--
Endosulfan I	ug/l	18	0	--	--
Endosulfan II	ug/l	18	0	--	--
Endosulfan sulfate	ug/l	18	0	--	--
Endrin	ug/l	18	0	--	--
Endrin aldehyde	ug/l	12	0	--	--
Endrin ketone	ug/l	18	0	--	--
gamma-BHC (Lindane)	ug/l	18	0	--	--
gamma-Chlordane	ug/l	18	0	--	--
Heptachlor	ug/l	18	0	--	--
Heptachlor epoxide	ug/l	18	0	--	--
Methoxychlor	ug/l	18	0	--	--
Toxaphene	ug/l	18	0	--	--

Table H.4
Summit National Site
Summary of Groundwater Data
Upper Sharon unit Monitoring Wells
Deerfield, Ohio
1994 - 2004

	Units	*Number of Samples*	*Number of Detects*	*Minimum Detected Value*	*Maximum Detected Value*
PCBs					
Aroclor-1016 (PCB-1016)	ug/l	18	0	--	--
Aroclor-1221 (PCB-1221)	ug/l	18	0	--	--
Aroclor-1232 (PCB-1232)	ug/l	18	0	--	--
Aroclor-1242 (PCB-1242)	ug/l	18	0	--	--
Aroclor-1248 (PCB-1248)	ug/l	18	0	--	--
Aroclor-1254 (PCB-1254)	ug/l	18	0	--	--
Aroclor-1260 (PCB-1260)	ug/l	18	0	--	--
Inorganic Compounds					
Aluminum	ug/l	17	9	238	6540
Antimony	ug/l	17	0	--	--
Arsenic	ug/l	17	2	5.4	7.5
Barium	ug/l	17	1	269	269
Beryllium	ug/l	17	0	--	--
Cadmium	ug/l	17	0	--	--
Calcium	ug/l	17	5	6500	9640
Chromium Total	ug/l	17	3	12.3	67.8
Cobalt	ug/l	17	0	--	--
Copper	ug/l	17	6	3.6	85.3
Cyanide (total)	ug/l	9	0	--	--
Iron	ug/l	17	14	105	59600
Lead	ug/l	36	9	3.2	11
Magnesium	ug/l	17	1	5090	5090
Manganese	ug/l	17	12	19.6	461
Mercury	ug/l	17	1	2.5	2.5
Nickel	ug/l	36	6	10.8	112
Potassium	ug/l	17	4	5370	8050
Selenium	ug/l	17	1	5.3	5.3
Silver	ug/l	17	0	--	--
Sodium	ug/l	17	17	233000	812000
Thallium	ug/l	17	0	--	--
Vanadium	ug/l	17	0	--	--
Zinc	ug/l	17	9	20.6	119
General Chemistry					
Cyanide (total)	ug/l	8	0	--	--

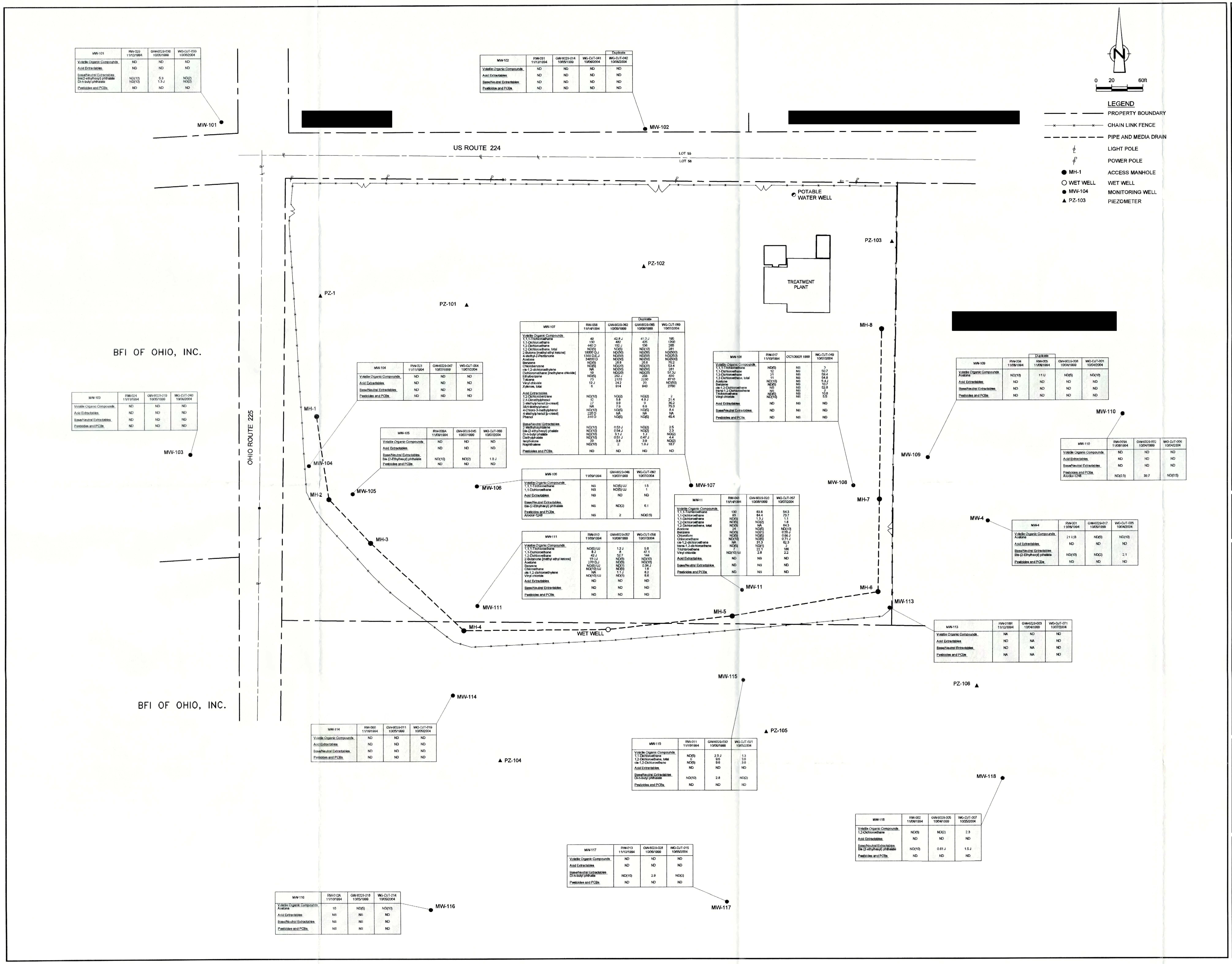
ATTACHMENT I

RESIDENTIAL WELL ANALYTICAL RESULTS

Table I.1

Residential Well Analytical Data
Summit National Superfund Site
Deerfield Township of Portage County, Ohio
October 2004

Location:		*Carver*	*Duley*	*MARTIN*	*MARTIN*
Sample ID:		*RW-6029-1004-DJT-045*	*RW-6029-1004-DJT-030*	*RW-6029-1004-DJT-047*	*RW-6029-1004-DJT-048*
Date Sampled:		*10/6/2004*	*10/5/2004*	*10/6/2004*	*10/6/2004*
					Duplicate
	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	ug/l	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/l	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/l	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethene (total)	ug/l	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
2-Butanone (Methyl Ethyl Ketone)	ug/l	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	ug/l	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Benzene	ug/l	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroethane	ug/l	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/l	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/l	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/l	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Toluene	ug/l	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/l	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/l	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	ug/l	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Inorganic Compounds					
Lead	ug/l	ND (3.0)	ND (3.0)	8.0	7.0
Nickel	ug/l	ND (20)	ND (20)	ND (20)	ND (20)



MW-101	RW-029 11/12/1994	GW-6029-036 10/06/1999	WG-DJT-033 10/06/2004
Volatile Organic Compounds	ND	ND	ND
Acid Extractables	ND	ND	ND
Base/Neutral Extractables			
Bis(2-ethylhexyl) phthalate	ND(10)	5.3	ND(2)
Di-n-butyl phthalate	ND(10)	1.3 J	ND(2)
Pesticides and PCBs	ND	ND	ND

MW-102	RW-031 11/12/1994	GW-6029-014 10/05/1999	WG-DJT-041 10/06/2004	Duplicate WG-DJT-042 10/06/2004
Volatile Organic Compounds	ND	ND	ND	ND
Acid Extractables	ND	ND	ND	ND
Base/Neutral Extractables	ND	ND	ND	ND
Pesticides and PCBs	ND	ND	ND	ND

MW-103	RW-024 11/11/1994	GW-6029-019 10/05/1999	WG-DJT-040 10/06/2004
Volatile Organic Compounds	ND	ND	ND
Acid Extractables	ND	ND	ND
Base/Neutral Extractables	ND	ND	ND
Pesticides and PCBs	ND	ND	ND

MW-104	RW-023 11/11/1994	GW-6029-047 10/07/1999	WG-DJT-064 10/07/2004
Volatile Organic Compounds	ND	ND	ND
Acid Extractables	ND	ND	ND
Base/Neutral Extractables	ND	ND	ND
Pesticides and PCBs	ND	ND	ND

MW-105	RW-009A 11/09/1994	GW-6029-045 10/07/1999	WG-DJT-066 10/07/2004
Volatile Organic Compounds	ND	ND	ND
Acid Extractables	ND	ND	ND
Base/Neutral Extractables			
Bis (2-Ethylhexyl) phthalate	ND(10)	ND(2)	1.9 J
Pesticides and PCBs	ND	ND	ND

MW-107	RW-056 11/14/1994	GW-6029-062 10/08/1999	Duplicate GW-6029-065 10/08/1999	WG-DJT-069 10/07/2004
Volatile Organic Compounds				
1,1,1-Trichloroethane	49	42.8 J	41.3 J	195
1,1-Dichloroethane	130	482	425	1200
1,2-Dichloroethane	440 D	152 J	136	285
1,2-Dichloroethene, total	ND(5)	ND(5)	ND(10)	281
2-Butone [methyl ethyl ketone]	18000 D,J	ND(50)	ND(50)	ND(500)
4-Methyl-2-Pentanone	1300 D,E,J	ND(50)	ND(50)	ND(250)
Acetone	34000 D	ND(50)	ND(50)	ND(500)
Benzene	ND(5)	28.8	25.6	76.2
Chlorobenzene	ND(5)	ND(20)	ND(20)	53.4
cis-1,2-dichloroethylene	NA	ND(50)	ND(50)	281
Dichloromethane [methylene chloride]	19	ND(20)	ND(20)	57.3J
Ethylbenzene	ND(5)	252 J	256	830
Toluene	73	2170	2230	8710
Vinyl chloride	12 J	24.2	23	ND(50)
Xylenes, total	5	914	840	2760
Acid Extractables				
1,2-Dichlorobenzene	ND(10)	ND(2)	ND(2)	2
2,4-Dimethylphenol	12	5.8	4.9 J	21.4
2-Methylphenol [o-cresol]	27	9.9	9	36.2
3&4-Methylphenol	NA	7.9	6.6	75.3
4-Chloro-3-methylphenol	ND(10)	ND(5)	ND(5)	8.4
4-Methylphenol [p-cresol]	220 D	NA	NA	NA
Phenol	310 D	ND(5)	ND(5)	45.4
Base/Neutral Extractables				
2-Methylnaphlalene	ND(10)	0.53 J	ND(2)	2.5
Bis-(2-ethylhexyl) phalate	ND(10)	0.54 J	ND(2)	2.3
Di-n-butyl phalate	ND(10)	3.1 J	1 J	ND(2)
Diethylphalate	ND(10)	0.51 J	0.47 J	4.4
Isophorone	20	3.8	3.9	ND(2)
Naphthalene	ND(10)	2	1.9 J	10.7
Pesticides and PCBs	ND	ND	ND	ND

MW-106	11/09/1994	GW-6029-046 10/07/1999	WG-DJT-060 10/07/2004
Volatile Organic Compounds			
1,1,1-Trichloroethane	NS	ND(5) UJ	1.5
1,1-Dichloroethane	NS	ND(5) UJ	1
Acid Extractables	NS	ND	ND
Base/Neutral Extractables			
Bis-(2-Ethylhexyl) phthalate	NS	ND(2)	6.1
Pesticides and PCBs			
Aroclor-1248	NS	2	ND(0.5)

MW-111	RW-010 11/09/1994	GW-6029-057 10/08/1999	WG-DJT-058 10/07/2004
Volatile Organic Compounds			
1,1,1-Trichloroethane	ND(5) UJ	1.2 J	5.6
1,1-Dichloroethane	8 J	8	47.1
1,2-Dichloroethane	42 J	52.7	144
2-Butanone [methyl ethyl ketone]	15 UJ	ND(5)	ND(10)
Acetone	270 D,J	ND(5)	ND(10)
Benzene	ND(5) UJ	ND(1)	0.34 J
Chloroethane	ND(10) UJ	ND(5)	1.6
cis-1,2-dichloroethylene	NA	1.1 J	8.2
Vinyl chloride	ND(10) UJ	ND(1)	8.6
Acid Extractables	ND	ND	ND
Base/Neutral Extractables	ND	ND	ND
Pesticides and PCBs	ND	ND	ND

MW-11	RW-043 11/14/1994	GW-6029-020 10/08/1999	WG-DJT-057 10/07/2004
Volatile Organic Compounds			
1,1,1-Trichloroethane	130	63.8	54.3
1,1-Dichloroethane	93	84.4	73.7
1,1-Dichloroethene	ND(5)	1.3 J	1.1
1,2-Dichloroethane	ND(5)	ND(2)	1.8
1,2-Dichloroethene, total	ND(5)	NA	64.3
Acetone	24	ND(5)	ND(10)
Benzene	ND(5)	ND(1)	0.55 J
Chloroform	ND(5)	ND(5)	0.66 J
Chloromethane	ND(10)	ND(5)	0.71 J
cis-1,2-dichloroethene	NA	31.3	62.3
trans-1,2-dichloroethene	ND(5)	ND(1)	2
Trichloroethene	7	22.1	186
Vinyl chloride	ND(10) UJ	2.8	2.2
Acid Extractables	ND	NS	ND
Base/Neutral Extractables	ND	NS	ND
Pesticides and PCBs	ND	NS	ND

MW-108	RW-017 11/10/1994	OCTOBER 1999	WG-DJT-049 10/07/2004
Volatile Organic Compounds			
1,1,1-Trichloroethane	ND(5)	NS	3
1,1-Dichloroethane	12	NS	50.7
1,2-Dichloroethane	21	NS	59.4
1,2-Dichloroethene, total	11	NS	54.8
Acetone	ND(10)	NS	5.4 J
Benzene	ND(5)	NS	10.7
cis-1,2-Dichloroethene	NS	NS	52.8
trans-1,2-Dichloroethene	NS	NS	2
Trichloroethene	ND(5)	NS	10.8
Vinyl chloride	ND(10)	NS	5.5
Acid Extractables	ND	NS	ND
Base/Neutral Extractables	ND	NS	ND
Pesticides and PCBs	ND	NS	ND

MW-109	RW-004 11/08/1994	Duplicate RW-005 11/08/1994	GW-6029-008 10/04/1999	WG-DJT-001 10/04/2004
Volatile Organic Compounds				
Acetone	ND(10)	11 U	ND(5)	ND(10)
Acid Extractables	ND	ND	ND	ND
Base/Neutral Extractables	ND	ND	ND	ND
Pesticides and PCBs	ND	ND	ND	ND

MW-110	RW-003A 11/08/1994	GW-6029-002 10/04/1999	WG-DJT-006 10/04/2004
Volatile Organic Compounds	ND	ND	ND
Acid Extractables	ND	ND	ND
Base/Neutral Extractables	ND	ND	ND
Pesticides and PCBs			
Aroclor-1248	ND(0.5)	39.7	ND(0.5)

MW-4	RW-001 11/08/1994	GW-6029-017 10/05/1999	WG-DJT-005 10/04/2004
Volatile Organic Compounds			
Acetone	21 U,B	ND(5)	ND(10)
Acid Extractables	ND	ND	ND
Base/Neutral Extractables			
Bis-(2-Ethylhexyl) phthalate	ND(10)	ND(2)	2.1
Pesticides and PCBs	ND	ND	ND

MW-113	RW-018R 11/12/1994	GW-6029-003 10/04/1999	WG-DJT-071 10/07/2004
Volatile Organic Compounds	NA	ND	ND
Acid Extractables	ND	NA	ND
Base/Neutral Extractables	ND	NA	ND
Pesticides and PCBs	NA	NA	ND

MW-114	RW-060 11/16/1994	GW-6029-011 10/05/1999	WG-DJT-019 10/05/2004
Volatile Organic Compounds	ND	ND	ND
Acid Extractables	ND	ND	ND
Base/Neutral Extractables	ND	ND	ND
Pesticides and PCBs	ND	ND	ND

MW-115	RW-011 11/10/1994	GW-6029-030 10/06/1999	WG-DJT-021 10/05/2004
Volatile Organic Compounds			
1,1-Dichloroethane	ND(5)	2.5 J	1.3
1,2-Dichloroethene, total	6	9.6	3.6
cis-1,2-Dichloroethene	ND(5)	9.6	3.6
Acid Extractables	ND	ND	ND
Base/Neutral Extractables			
Di-n-butyl phthalate	ND(10)	2.8	ND(2)
Pesticides and PCBs	ND	ND	ND

MW-118	RW-002 11/08/1994	GW-6029-005 10/04/1999	WG-DJT-007 10/25/2004
Volatile Organic Compounds			
1,2-Dichloroethane	ND(5)	ND(2)	2.3
Acid Extractables	ND	ND	ND
Base/Neutral Extractables			
Bis (2-ethylhexyl) phthalate	ND(10)	0.61 J	1.5 J
Pesticides and PCBs	ND	ND	ND

MW-117	RW-013 11/10/1994	GW-6029-028 10/06/1999	WG-DJT-015 10/05/2004
Volatile Organic Compounds	ND	ND	ND
Acid Extractables	ND	ND	ND
Base/Neutral Extractables			
Di-n-butyl phthalate	ND(10)	2.9	ND(2)
Pesticides and PCBs	ND	ND	ND

MW-116	RW-012A 11/10/1994	GW-6029-018 10/05/1999	WG-DJT-014 10/05/2004
Volatile Organic Compounds			
Acetone	10	ND(5)	ND(10)
Acid Extractables	NS	NS	ND
Base/Neutral Extractables	NS	NS	ND
Pesticides and PCBs	NS	NS	ND

Nº	Revision	Date	Initial

SAMPLE ID AND SAMPLING DATE — WELL DESIGNATION — DUPLICATE SAMPLE — CHEMICAL CONCENTRATIONS IN µg/L

MW-109	RW-004 11/08/1994	Duplicate RW-005 11/08/1994	W-CJ-004 05/03/1995
Volatile Organic Compounds			
Acetone	ND(10)	11 U	ND(50)
Acid Extractables	ND	ND	ND
Base/Neutral Extractables	ND	ND	ND
Pesticides and PCBs	ND	ND	ND

NOTE: ONLY DETECTED ORGANIC COMPOUNDS SHOWN.

CONCENTRATION CODES

- B DETECTED IN ASSOCIATED METHOD BLANK
- D RESULT WAS OBTAINED FROM AN ANALYSIS PERFORMED AT A SECONDARY DILUTION
- E THE REPORTED RESULT IS AN ESTIMATE THAT EXCEEDS THE CALIBRATION RANGE OF THE GC/MS INSTRUMENT. NO RESULT WITHIN CALIBRATION RANGE COULD BE OBTAINED DUE TO HIGH CONCENTRATIONS OF TARGET ANALYTES, WHICH NECESSITATED LARGE DILUTIONS.
- J THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
- R THE DATA ARE UNUSABLE. THE COMPOUND MAY OR MAY NOT BE PRESENT.
- X THE REPORTED RESULT WAS WITHIN THE GC/MS CALIBRATION RANGE BETWEEN THE REPORTING LIMIT AND THE DETECTION LIMIT OF THE COMPOUND.
- NA NOT ANALYZED
- ND NOT DETECTED
- ND( ) THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED ABOVE THE REPORTED SAMPLE QUANTITATION LIMIT LISTED IN PARENTHESES.
- NE NO EXCEEDANCES
- NS NOT SAMPLED
- µg/L MICROGRAMS PER LITER
- U THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED. THE ASSOCIATED NUMERICAL VALUE IS THE SAMPLE QUANTITATION LIMIT.
- UJ THE MATERIAL WAS ANALYZED FOR, BUT WAS NOT DETECTED. THE SAMPLE QUANTITATION LIMIT IS AN ESTIMATED QUANTITY.

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

SUMMIT NATIONAL SUPERFUND SITE DEERFIELD, OHIO

GROUNDWATER QUALITY MONITORING

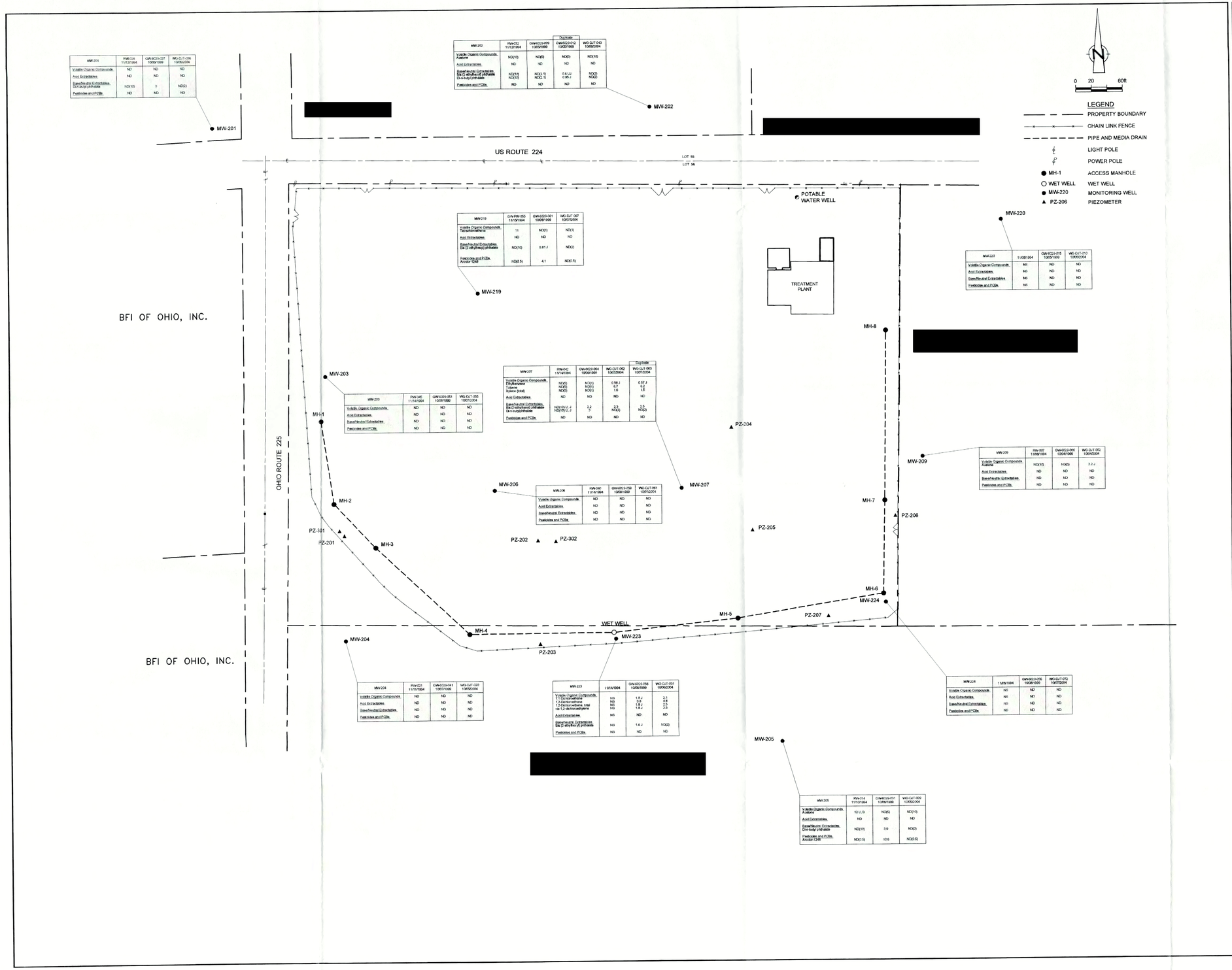
WATER TABLE UNIT

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager: SAW	Reviewed By: JRV	Date: NOVEMBER 2004	
Scale: 1"=60'	Project Nº: 06029-50	Report Nº: WILL053	Drawing Nº: WTU(10/04)

06029-50(WILL053)GN-WA001 JAN 07/2005



MW-201	RW-016 11/12/1994	GW-6029-027 10/06/1999	WG-DJT-036 10/06/2004
Volatile Organic Compounds	ND	ND	ND
Acid Extractables	ND	ND	ND
Base/Neutral Extractables Di-n-butyl phthalate	ND(10)	3	ND(3)
Pesticides and PCBs	ND	ND	ND

MW-202	RW-032 11/12/1994	GW-6029-009 10/05/1999	Duplicate GW-6029-012 10/05/1999	WG-DJT-043 10/06/2004
Volatile Organic Compounds Acetone	ND(10)	ND(8)	ND(5)	ND(10)
Acid Extractables	ND	ND	ND	ND
Base/Neutral Extractables Bis (2-ethylhexyl) phthalate Di-n-butyl phthalate	ND(10) ND(10)	ND(2.1) ND(2.1)	0.6 UJ 0.95 J	ND(3) ND(3)
Pesticides and PCBs	ND	ND	ND	ND

MW-219	GW-RW-055 11/19/1994	GW-6029-061 10/05/1999	WG-DJT-067 10/07/2004
Volatile Organic Compounds Tetrachloroethene	11	ND(1)	ND(1)
Acid Extractables	ND	ND	ND
Base/Neutral Extractables Bis (2-ethylhexyl) phthalate	ND(10)	0.81 J	ND(3)
Pesticides and PCBs Aroclor-1248	ND(0.5)	4.1	ND(0.5)

MW-220	11/09/1994	GW-6029-015 10/05/1999	WG-DJT-010 10/05/2004
Volatile Organic Compounds	NS	ND	ND
Acid Extractables	NS	ND	ND
Base/Neutral Extractables	NS	ND	ND
Pesticides and PCBs	NS	ND	ND

MW-203	RW-045 11/14/1994	GW-6029-051 10/05/1999	WG-DJT-055 10/07/2004
Volatile Organic Compounds	ND	ND	ND
Acid Extractables	ND	ND	ND
Base/Neutral Extractables	ND	ND	ND
Pesticides and PCBs	ND	ND	ND

MW-207	RW-042 11/14/1994	GW-6029-054 10/05/1999	WG-DJT-062 10/07/2004	Duplicate WG-DJT-063 10/07/2004
Volatile Organic Compounds Methyl ketone	ND(5)	ND(1)	0.56 J	0.57 J
Toluene	ND(5)	ND(1)	6.7	6.2
Xylene (total)	ND(5)	ND(1)	1.6	1.5
Acid Extractables	ND	ND	ND	ND
Base/Neutral Extractables Bis (2-ethylhexyl) phthalate	ND(10) U, J	2.2	2.3	2.5
Di-n-butylphthalate	ND(10) U, J	3	ND(3)	ND(3)
Pesticides and PCBs	ND	ND	ND	ND

MW-209	RW-027 11/08/1994	GW-6029-005 10/04/1999	WG-DJT-052 10/04/2004
Volatile Organic Compounds Acetone	ND(10)	ND(5)	3.2 J
Acid Extractables	ND	ND	ND
Base/Neutral Extractables	ND	ND	ND
Pesticides and PCBs	ND	ND	ND

MW-206	RW-040 11/14/1994	GW-6029-058 10/06/1999	WG-DJT-061 10/07/2004
Volatile Organic Compounds	ND	ND	ND
Acid Extractables	ND	ND	ND
Base/Neutral Extractables	ND	ND	ND
Pesticides and PCBs	ND	ND	ND

MW-204	RW-031 11/11/1994	GW-6029-041 10/07/1999	WG-DJT-020 10/05/2004
Volatile Organic Compounds	ND	ND	ND
Acid Extractables	ND	ND	ND
Base/Neutral Extractables	ND	ND	ND
Pesticides and PCBs	ND	ND	ND

MW-223	11/14/1994	GW-6029-056 10/06/1999	WG-DJT-031 10/06/2004
Volatile Organic Compounds 1,1-Dichloroethane	NS	1.6 J	2.1
1,2-Dichloroethane	NS	3.8	4.6
1,2-Dichloroethene, total	NS	1.6 J	2.1
cis-1,2-dichloroethylene	NS	1.6 J	2.5
Acid Extractables	NS	ND	ND
Base/Neutral Extractables Bis (2-ethylhexyl) phthalate	NS	1.6 J	ND(3)
Pesticides and PCBs	NS	ND	ND

MW-224	11/09/1994	GW-6029-056 10/06/1999	WG-DJT-072 10/07/2004
Volatile Organic Compounds	NS	ND	ND
Acid Extractables	NS	ND	ND
Base/Neutral Extractables	NS	ND	ND
Pesticides and PCBs	NS	ND	ND

MW-205	RW-014 11/10/1994	GW-6029-031 10/06/1999	WG-DJT-030 10/05/2004
Volatile Organic Compounds Acetone	12 U, B	ND(5)	ND(10)
Acid Extractables	ND	ND	ND
Base/Neutral Extractables Di-n-butyl phthalate	ND(10)	3.9	ND(3)
Pesticides and PCBs Aroclor-1248	ND(0.5)	10.6	ND(0.5)

N°	Revision	Date	Initial

SAMPLE ID AND SAMPLING DATE — WELL DESIGNATION — DUPLICATE SAMPLE

MW-202	GW-6029-009 10/05/1999	Duplicate GW-6029-012 10/05/1999
Volatile Organic Compounds Acetone	ND(5)	ND(5)
Acid Extractables	ND	ND
Base/Neutral Extractables Bis (2-ethylhexyl) phthalate Di-n-butylphthalate	ND(2.1) ND(2.1)	0.6 UJ 0.95 J
Pesticides and PCBs	ND	ND

CHEMICAL CONCENTRATIONS IN µg/L

NOTE: ONLY DETECTED ORGANIC COMPOUNDS SHOWN.

CONCENTRATION CODES

B	DETECTED IN ASSOCIATED METHOD BLANK
D	RESULT WAS OBTAINED FROM AN ANALYSIS PERFORMED AT A SECONDARY DILUTION
E	THE REPORTED RESULT IS AN ESTIMATE THAT EXCEEDS THE CALIBRATION RANGE OF THE GC/MS INSTRUMENT. NO RESULT WITHIN CALIBRATION RANGE COULD BE OBTAINED DUE TO HIGH CONCENTRATIONS OF TARGET ANALYTES, WHICH NECESSITATED LARGE DILUTIONS.
J	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
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X	THE REPORTED RESULT WAS WITHIN THE GC/MS CALIBRATION RANGE BETWEEN THE REPORTING LIMIT AND THE DETECTION LIMIT OF THE COMPOUND.
NA	NOT ANALYZED
ND	NOT DETECTED
ND( )	THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED ABOVE THE REPORTED SAMPLE QUANTITATION LIMIT LISTED IN PARENTHESES.
NE	NO EXCEEDANCES
NS	NOT SAMPLED
µg/L	MICROGRAMS PER LITER
U	THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED. THE ASSOCIATED NUMERICAL VALUE IS THE SAMPLE QUANTITATION LIMIT.
UJ	THE MATERIAL WAS ANALYZED FOR, BUT WAS NOT DETECTED. THE SAMPLE QUANTITATION LIMIT IS AN ESTIMATED QUANTITY.

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD, OHIO

GROUNDWATER QUALITY MONITORING

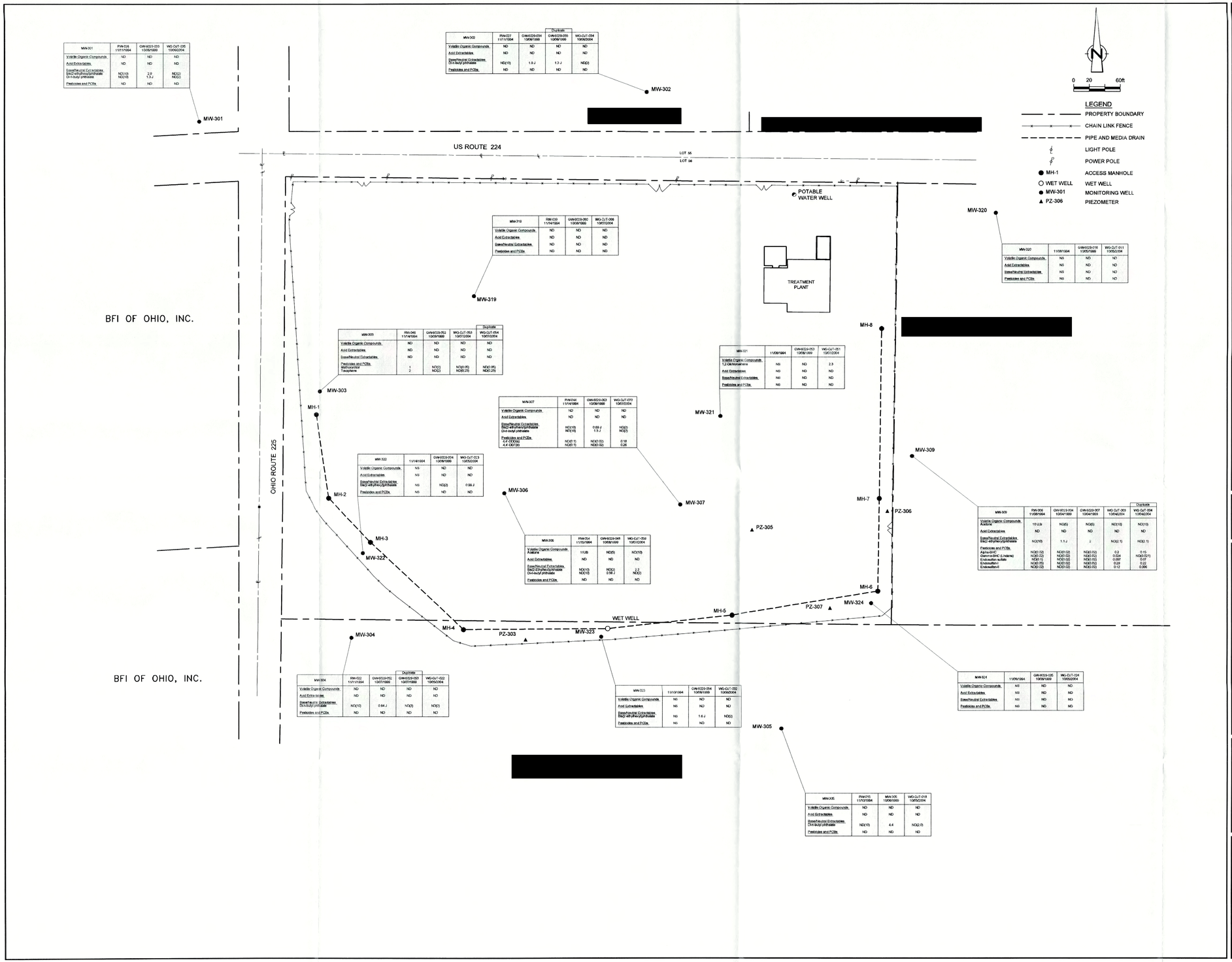
UPPER INTERMEDIATE UNIT

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
SAW	JRV	NOVEMBER 2003	
Scale: 1"=60'	Project N°: 06029-50	Report N°: WILL053	Drawing N°: UIU(10/04)

06029-50(WILL053)GN-WA002 JAN 07/2005



MW-301	RW-016 11/11/1994	GW-6029-023 10/08/1999	WG-OUT-035 10/06/2004
Volatile Organic Compounds	ND	ND	ND
Acid Extractables	ND	ND	ND
Base/Neutral Extractables			
Bis(2-ethylhexyl)phthalate	ND(10)	2.9	ND(3)
Di-n-butyl phthalate	ND(10)	1.3 J	ND(3)
Pesticides and PCBs	ND	ND	ND

MW-302	RW-027 11/11/1994	GW-6029-034 10/08/1999	Duplicate GW-6029-035 10/08/1999	WG-OUT-034 10/06/2004
Volatile Organic Compounds	ND	ND	ND	ND
Acid Extractables	ND	ND	ND	ND
Base/Neutral Extractables				
Di-n-butyl phthalate	ND(10)	1.9 J	1.3 J	ND(3)
Pesticides and PCBs	ND	ND	ND	ND

MW-319	RW-039 11/14/1994	GW-6029-060 10/08/1999	WG-OUT-008 10/07/2004
Volatile Organic Compounds	ND	ND	ND
Acid Extractables	ND	ND	ND
Base/Neutral Extractables	ND	ND	ND
Pesticides and PCBs	ND	ND	ND

MW-320	11/08/1994	GW-6029-016 10/05/1999	WG-OUT-011 10/05/2004
Volatile Organic Compounds	NS	ND	ND
Acid Extractables	NS	ND	ND
Base/Neutral Extractables	NS	ND	ND
Pesticides and PCBs	NS	ND	ND

MW-303	RW-046 11/14/1994	GW-6029-052 10/05/1999	WG-OUT-053 10/07/2004	Duplicate WG-OUT-054 10/07/2004
Volatile Organic Compounds	ND	ND	ND	ND
Acid Extractables	ND	ND	ND	ND
Base/Neutral Extractables	ND	ND	ND	ND
Pesticides and PCBs				
Methoxychlor	1	ND(1)	ND(0.05)	ND(0.05)
Toxaphene	2	ND(2)	ND(0.25)	ND(0.25)

MW-321	11/08/1994	GW-6029-053 10/06/1999	WG-OUT-051 10/07/2004
Volatile Organic Compounds			
1,2-Dichlorobenzene	NS	ND	2.3
Acid Extractables	NS	ND	ND
Base/Neutral Extractables	NS	ND	ND
Pesticides and PCBs	NS	ND	ND

MW-307	RW-044 11/14/1994	GW-6029-063 10/06/1999	WG-OUT-070 10/07/2004
Volatile Organic Compounds	ND	ND	ND
Acid Extractables	ND	ND	ND
Base/Neutral Extractables			
Bis(2-ethylhexyl)phthalate	ND(10)	0.69 J	ND(0)
Di-n-butyl phthalate	ND(10)	1.5 J	ND(0)
Pesticides and PCBs			
4,4'-DDE(a)	ND(0.1)	ND(0.02)	0.18
4,4'-DDT(b)	ND(0.1)	ND(0.02)	0.26

MW-322	11/14/1994	GW-6029-004 10/06/1999	WG-OUT-013 10/05/2004
Volatile Organic Compounds	NS	ND	ND
Acid Extractables	NS	ND	ND
Base/Neutral Extractables			
Bis(2-ethylhexyl)phthalate	NS	ND(0)	0.99 J
Pesticides and PCBs	NS	ND	ND

MW-306	RW-054 11/10/1994	GW-6029-049 10/06/1999	WG-OUT-059 10/01/2004
Volatile Organic Compounds			
Acetone	11UB	ND(5)	ND(10)
Acid Extractables	ND	ND	ND
Base/Neutral Extractables			
Bis(2-ethylhexyl)phthalate	ND(10)	ND(2)	2.2
Di-n-butyl phthalate	ND(10)	0.56 J	ND(2)
Pesticides and PCBs	ND	ND	ND

MW-309	RW-006 11/08/1994	GW-6029-004 10/04/1999	GW-6029-007 10/04/1999	WG-OUT-003 10/04/2004	Duplicate WG-OUT-004 10/04/2004
Volatile Organic Compounds					
Acetone	10 UB	ND(5)	ND(5)	ND(10)	ND(10)
Acid Extractables	ND	ND	ND	ND	ND
Base/Neutral Extractables					
Bis(2-ethylhexyl)phthalate	ND(10)	1.1 J	2	ND(2.1)	ND(2.1)
Pesticides and PCBs					
Alpha-BHC	ND(0.02)	ND(0.02)	ND(0.02)	0.2	0.15
Gamma-BHC (Lindane)	ND(0.02)	ND(0.02)	ND(0.02)	0.024	ND(0.021)
Endosulfan sulfate	ND(0.1)	ND(0.02)	ND(0.02)	0.097	0.07
Endosulfan I	ND(0.02)	ND(0.02)	ND(0.02)	0.29	0.22
Endosulfan II	ND(0.02)	ND(0.02)	ND(0.02)	0.12	0.096

MW-304	RW-022 11/11/1994	GW-6029-062 10/07/1999	Duplicate GW-6029-063 10/07/1999	WG-OUT-022 10/05/2004
Volatile Organic Compounds	ND	ND	ND	ND
Acid Extractables	ND	ND	ND	ND
Base/Neutral Extractables				
Di-n-butyl phthalate	ND(10)	0.64 J	ND(0)	ND(0)
Pesticides and PCBs	ND	ND	ND	ND

MW-323	11/10/1994	GW-6029-064 10/06/1999	WG-OUT-032 10/06/2004
Volatile Organic Compounds	NS	ND	ND
Acid Extractables	NS	ND	ND
Base/Neutral Extractables			
Bis(2-ethylhexyl)phthalate	NS	1.6 J	ND(2)
Pesticides and PCBs	NS	ND	ND

MW-324	11/09/1994	GW-6029-026 10/06/1999	WG-OUT-024 10/05/2004
Volatile Organic Compounds	NS	ND	ND
Acid Extractables	NS	ND	ND
Base/Neutral Extractables	NS	ND	ND
Pesticides and PCBs	NS	ND	ND

MW-305	RW-015 11/10/1994	MW-305 10/06/1999	WG-OUT-018 10/05/2004
Volatile Organic Compounds	ND	ND	ND
Acid Extractables	ND	ND	ND
Base/Neutral Extractables			
Di-n-butyl phthalate	ND(10)	4.4	ND(2.0)
Pesticides and PCBs	ND	ND	ND

Nº	Revision	Date	Initial

WELL DESIGNATION — SAMPLE ID AND SAMPLING DATE — DUPLICATE SAMPLE

MW-302	GW-CJJ-020 10/28/1995	GW-6029-034 10/08/1999	Duplicate GW-6029-035 10/08/1999
Volatile Organic Compounds			
Acetone	ND(50)	ND(5)	ND(5)
Acid Extractables	ND	ND	ND
Base/Neutral Extractables			
Di-n-butyl phthalate	1.3 J	1.9 J	1.3 J
Pesticides and PCBs	ND	ND	ND

CHEMICAL CONCENTRATION in g/L

NOTE: ONLY DETECTED ORGANIC COMPOUNDS SHOWN.

B DETECTED IN ASSOCIATED METHOD BLANK

D RESULT WAS OBTAINED FROM AN ANALYSIS PERFORMED AT A SECONDARY DILUTION

E THE REPORTED RESULT IS AN ESTIMATE THAT EXCEEDS THE CALIBRATION RANGE OF THE GC/MS INSTRUMENT. NO RESULT WITHIN CALIBRATION RANGE COULD BE OBTAINED DUE TO HIGH CONCENTRATIONS OF TARGET ANALYTES, WHICH NECESSITATED LARGE DILUTIONS.

J THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.

R THE DATA ARE UNUSABLE. THE COMPOUND MAY OR MAY NOT BE PRESENT.

X THE REPORTED RESULT WAS WITHIN THE GC/MS CALIBRATION RANGE BETWEEN THE REPORTING LIMIT AND THE DETECTION LIMIT OF THE COMPOUND.

NA NOT ANALYZED

ND NOT DETECTED

ND( ) THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED ABOVE THE REPORTED SAMPLE QUANTITATION LIMIT LISTED IN PARENTHESES.

NE NO EXCEEDANCES

NS NOT SAMPLED

g/L MICROGRAMS PER LITER

U THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED. THE ASSOCIATED NUMERICAL VALUE IS THE SAMPLE QUANTITATION LIMIT.

UJ THE MATERIAL WAS ANALYZED FOR, BUT WAS NOT DETECTED. THE SAMPLE QUANTITATION LIMIT IS AN ESTIMATED QUANTITY.

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD, OHIO

GROUNDWATER QUALITY MONITORING

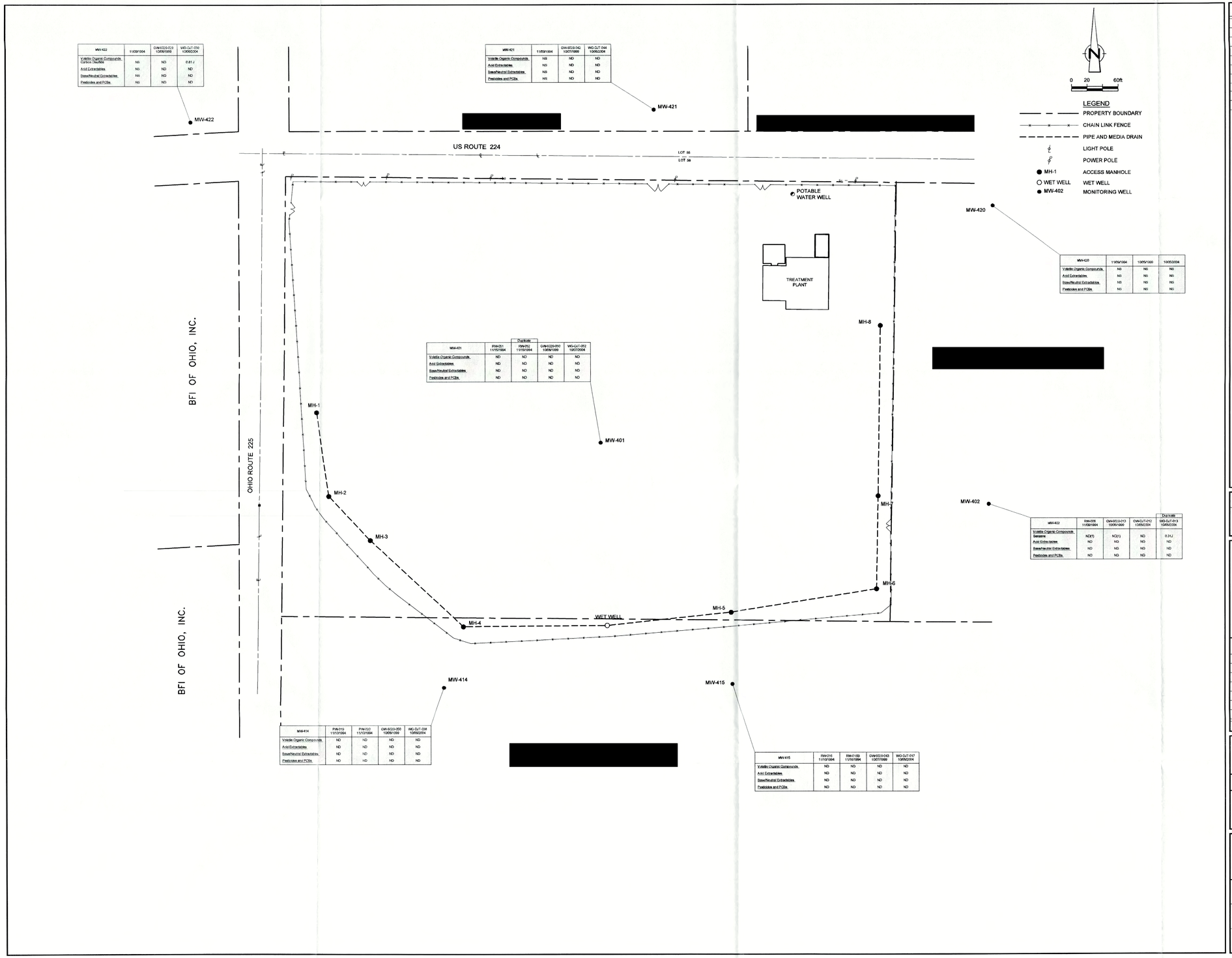
LOWER INTERMEDIATE UNIT

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
SAW	JRV	NOVEMBER 2003	
Scale: 1"=60'	Project Nº: 06029-50	Report Nº: WILL053	Drawing Nº: LIU(10/04)

06029-50(WILL053)GN-WA003 JAN 07/2005



MW-422	11/09/1994	GW#0229-023 10/06/1999	WG-OJT-039 10/06/2004
Volatile Organic Compounds. Carbon Disulfide	NS	ND	0.81 J
Acid Extractables.	NS	ND	ND
Base/Neutral Extractables.	NS	ND	ND
Pesticides and PCBs.	NS	ND	ND

MW-421	11/09/1994	GW-0229-042 10/07/1999	WG-OJT-044 10/06/2004
Volatile Organic Compounds.	NS	ND	ND
Acid Extractables.	NS	ND	ND
Base/Neutral Extractables.	NS	ND	ND
Pesticides and PCBs.	NS	ND	ND

MW-420	11/09/1994	10/06/1999	10/05/2004
Volatile Organic Compounds.	NS	NS	NS
Acid Extractables.	NS	NS	NS
Base/Neutral Extractables.	NS	NS	NS
Pesticides and PCBs.	NS	NS	NS

MW-401	RW-051 11/15/1994	Duplicate RW-052 11/15/1994	GW#0229-050 10/06/1999	WG-OJT-052 10/07/2004
Volatile Organic Compounds.	ND	ND	ND	ND
Acid Extractables.	ND	ND	ND	ND
Base/Neutral Extractables.	ND	ND	ND	ND
Pesticides and PCBs.	ND	ND	ND	ND

MW-402	RW-008 11/08/1994	GW#0229-013 10/06/1999	GW-OJT-012 10/06/2004	Duplicate WG-OJT-013 10/06/2004
Volatile Organic Compounds. Benzene	ND(1)	ND(1)	ND	0.31J
Acid Extractables.	ND	ND	ND	ND
Base/Neutral Extractables.	ND	ND	ND	ND
Pesticides and PCBs.	ND	ND	ND	ND

MW-414	RW-015 11/10/1994	RW-020 11/10/1994	GW-0229-055 10/06/1999	WG-OJT-038 10/05/2004
Volatile Organic Compounds.	ND	ND	ND	ND
Acid Extractables.	ND	ND	ND	ND
Base/Neutral Extractables.	ND	ND	ND	ND
Pesticides and PCBs.	ND	ND	ND	ND

MW-415	RW-016 11/10/1994	RW-018B 11/10/1994	GW#0229-043 10/07/1999	WG-OJT-017 10/05/2004
Volatile Organic Compounds.	ND	ND	ND	ND
Acid Extractables.	ND	ND	ND	ND
Base/Neutral Extractables.	ND	ND	ND	ND
Pesticides and PCBs.	ND	ND	ND	ND

Nº	Revision	Date	Initial

DUPLICATE SAMPLE

WELL DESIGNATION

SAMPLE ID AND SAMPLING DATE

MW-401	RW-051 11/15/1994	Duplicate RW-052 11/15/1994	W-CJ-043 05/06/1995
Volatile Organic Compounds. Acetone Dichloromethane(methylene chloride)	ND(10) ND(5)	ND(10) ND(5)	88 8 U, B
Acid Extractables.	ND	ND	ND
Base/Neutral Extractables.	ND	ND	ND
Pesticides and PCBs.	ND	ND	ND

CHEMICAL CONCENTRATION IN µg/L

NOTE: ONLY DETECTED ORGANIC COMPOUNDS SHOWN.

CONCENTRATION CODES

B	DETECTED IN ASSOCIATED METHOD BLANK
D	RESULT WAS OBTAINED FROM AN ANALYSIS PERFORMED AT A SECONDARY DILUTION
E	THE REPORTED RESULT IS AN ESTIMATE THAT EXCEEDS THE CALIBRATION RANGE OF THE GC/MS INSTRUMENT. NO RESULT WITHIN CALIBRATION RANGE COULD BE OBTAINED DUE TO HIGH CONCENTRATIONS OF TARGET ANALYTES, WHICH NECESSITATED LARGE DILUTIONS.
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NE	NO EXCEEDANCES
NS	NOT SAMPLED
µg/L	MICROGRAMS PER LITER
U	THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED. THE ASSOCIATED NUMERICAL VALUE IS THE SAMPLE QUANTITATION LIMIT.
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SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

SUMMIT NATIONAL SUPERFUND SITE DEERFIELD, OHIO

GROUNDWATER QUALITY MONITORING

UPPER SHARON UNIT

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
SAW	JRV	NOVEMBER 2003	
Scale: 1"=60'	Project Nº: 06029-50	Report Nº: WILL053	Drawing Nº: USU(10/04)

06029-50(WILL053)GN-WA004 JAN 07/2005