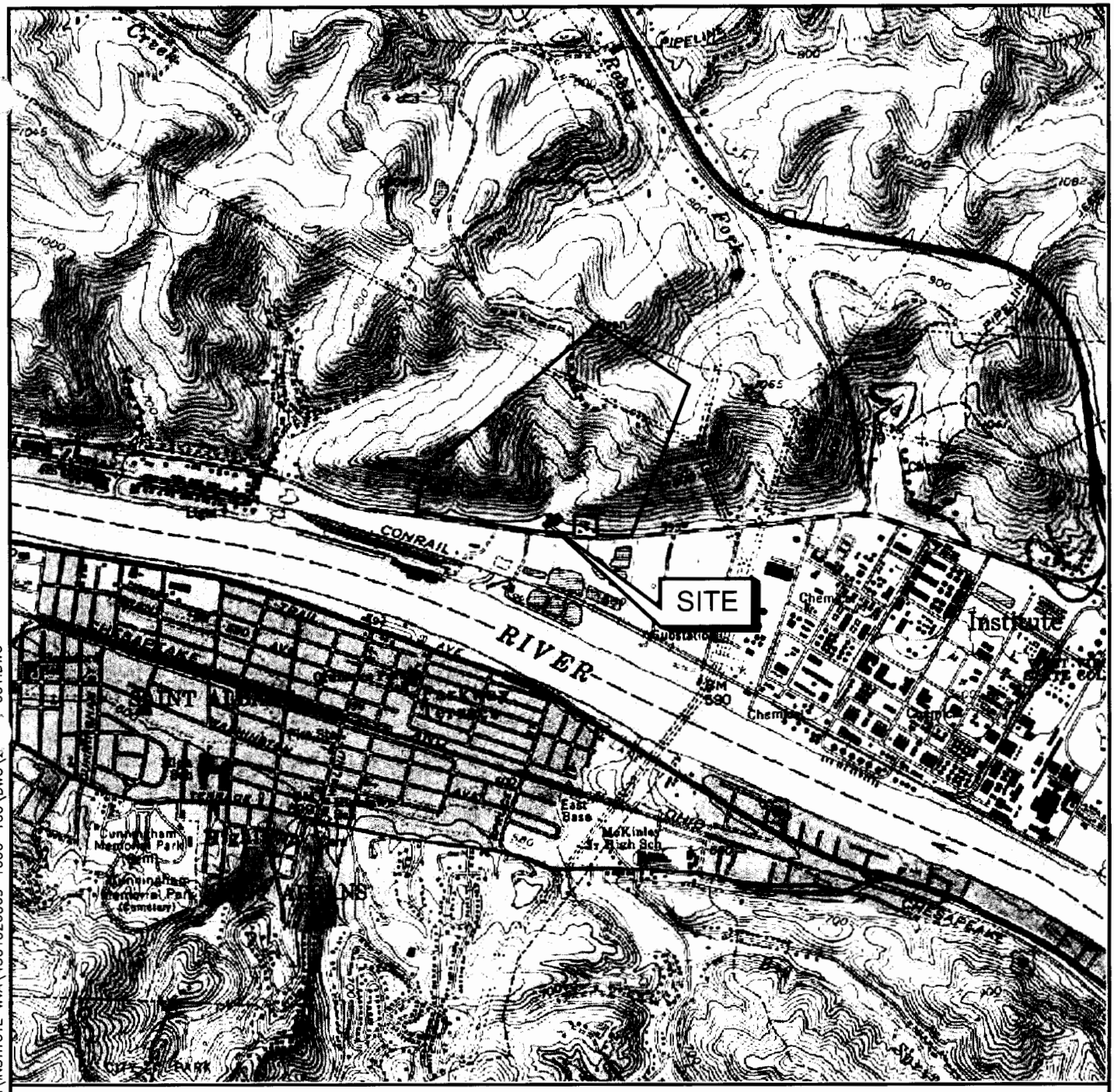
FIGURES



NOTE: BASE MAP FROM THE SAINT ALBANS, W. VA, 7.5 MINUTE USGS TOPOGRAPHIC QUADRANGLE 1976.

2000' 0 2000'

SCALE IN FEET

N

WEST VIRGINIA

QUADRANGLE LOCATION

QUALITY DISTRIBUTION, INC.

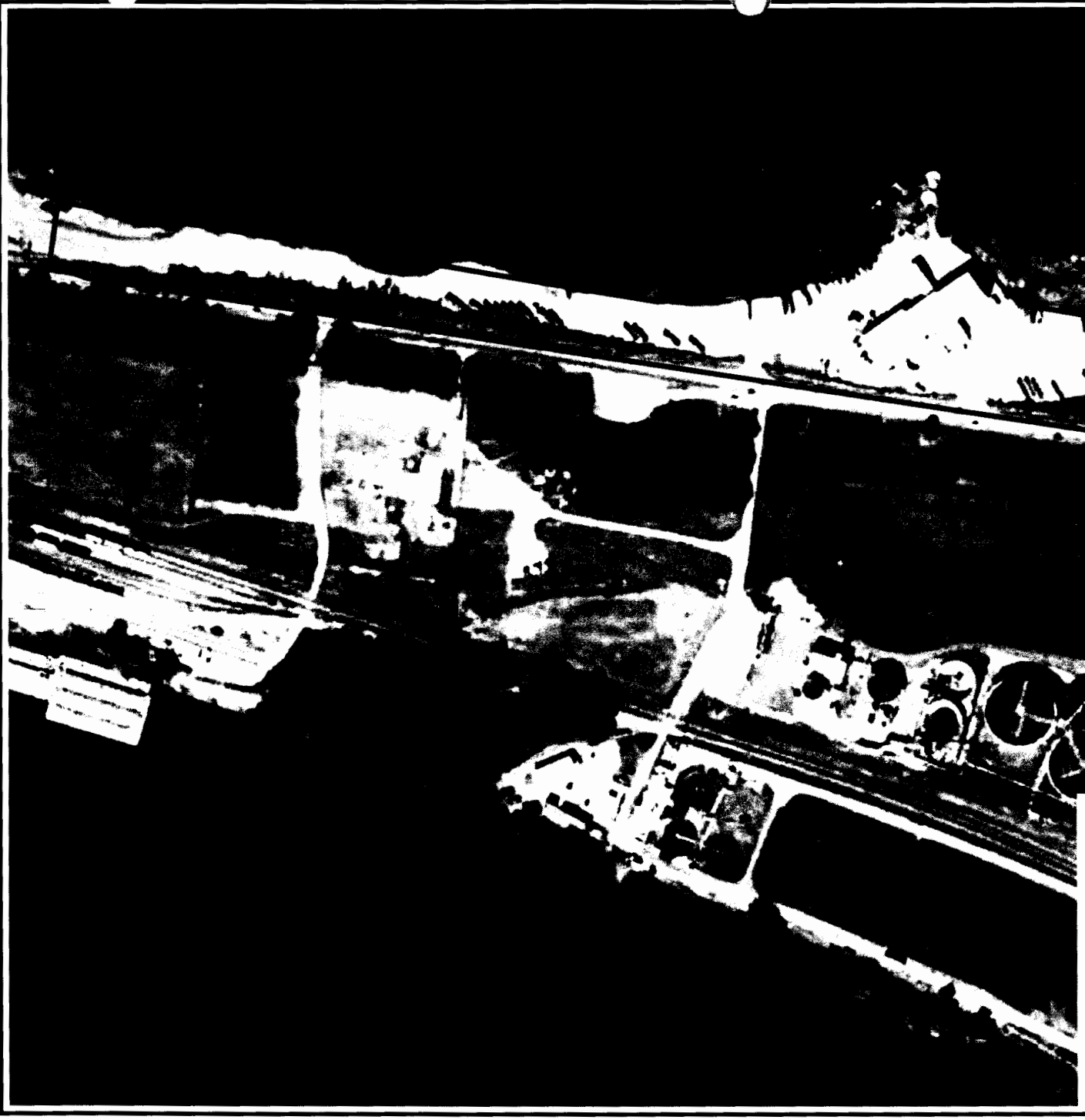
INSTITUTE, W. VA

SITE LOCATION MAP

SAIC

job no. 4501020069-1000-100		
file no. 20069-001.dwg		
drawn RAM	date 03/28/12	figure no.
checked	date	1
approved	date	

O:\CAD\HBG_DRAFTING1633\QUALITY DISTRIBUTION\INSTITUTE WVA\4501020069-1000-100\DWG\20069-001.DWG



300' 0 300'

SCALE IN FEET

QUALITY DISTRIBUTION, INC.

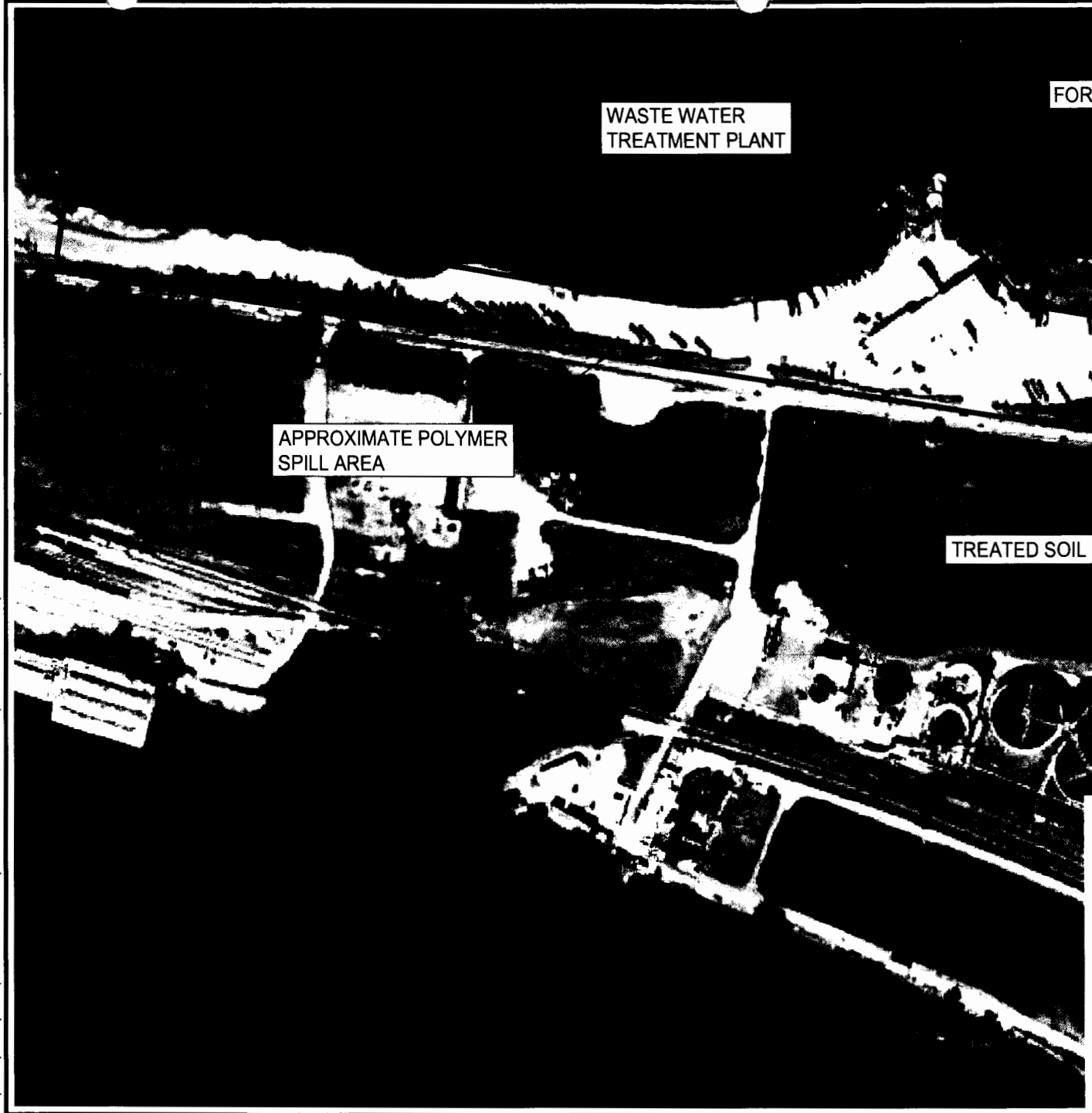
INSTITUTE, W. VA

IMPROVED AREA OF SITE

SAIC

job no. 4501020069-1000-100		
file no. 20069-006.dwg		
drawn RAM	date 03/28/12	figure no.
checked	date	
approved	date	2

O:\CAD\HBG\ENV\DRAFTING1633\QUALITY DISTRIBUTION\INSTITUTE WVA\4501020069-1000-100\DWG\20069-006.DWG



300' 0 300'

SCALE IN FEET

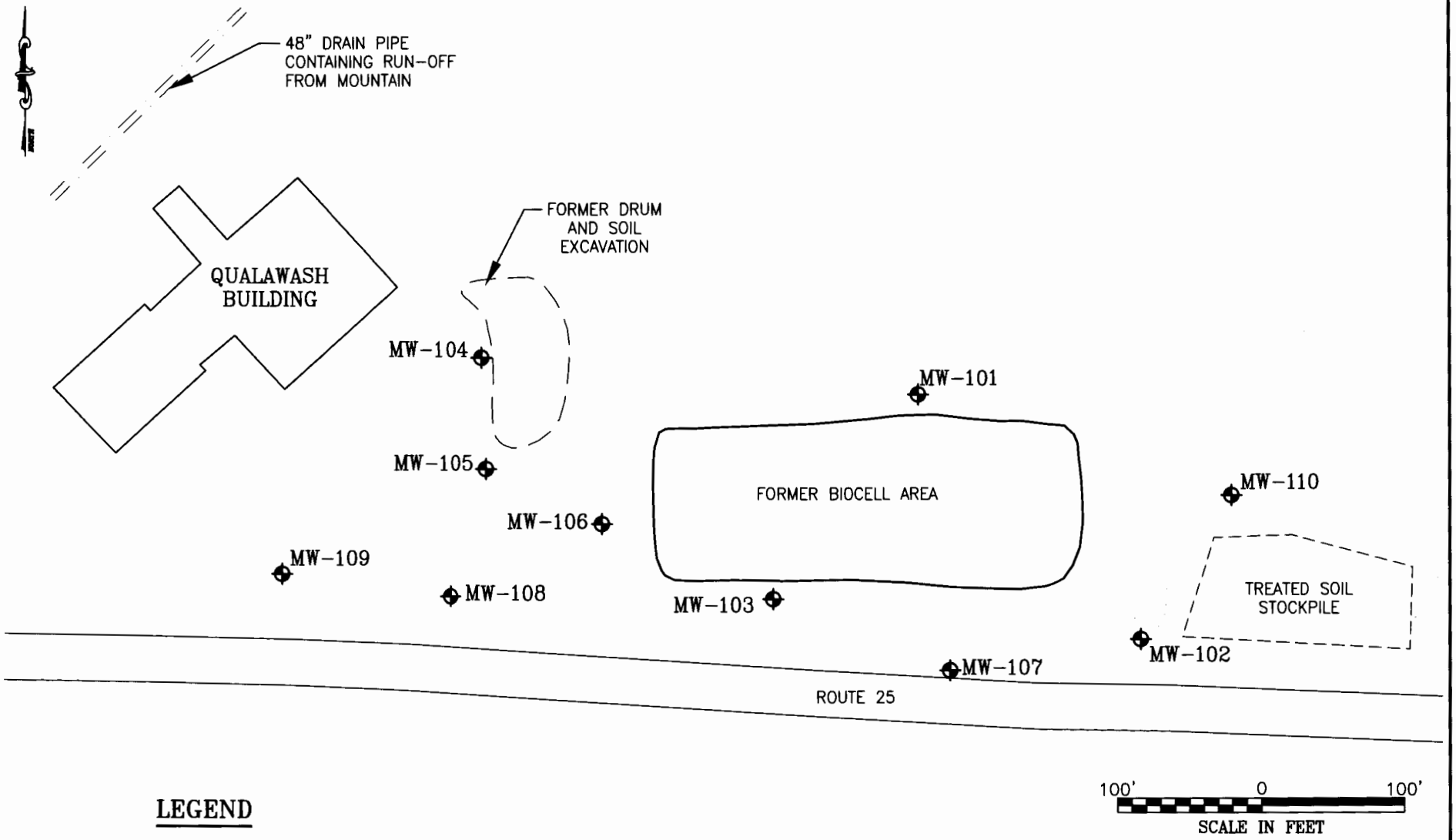
QUALITY DISTRIBUTION, INC.

INSTITUTE, W. VA

SITE FEATURES

SAIC

job no. 4501020069-1000-100		
file no. 20069-006.dwg		
drawn RAM	date 09/28/12	figure no.
checked	date	3
approved	date	



LEGEND

MW-101 MONITORING WELL LOCATION

NOTE: WELL LOCATIONS FROM A MAP PREPARED BY EAGLE SURVEYING, INC.

QUALITY DISTRIBUTION, INC.

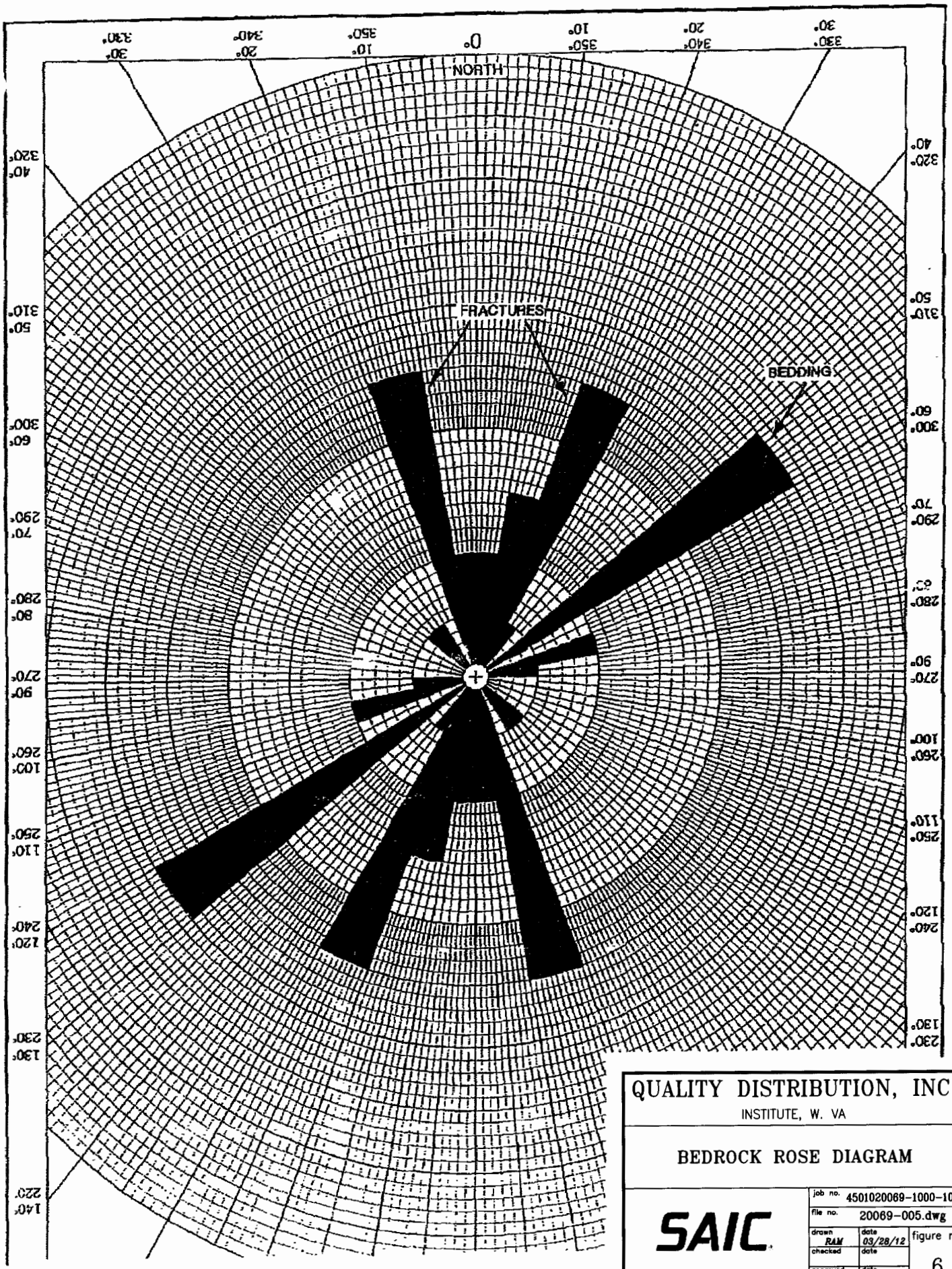
INSTITUTE, W.VA

SITE PLAN

SAIC

job no.	4501020069-1000-100
file no.	20069-002.dwg
drawn RAM	date 03/28/12
checked ---	date --/--/--
approved ---	date --/--/--
figure no.	4

O:\CAD\HBG\ENV\DRAFTING1633\QUALITY DISTRIBUTION\INSTITUTE WVA\4501020069-1000-100\DWG\20069-002.DWG



QUALITY DISTRIBUTION, INC.

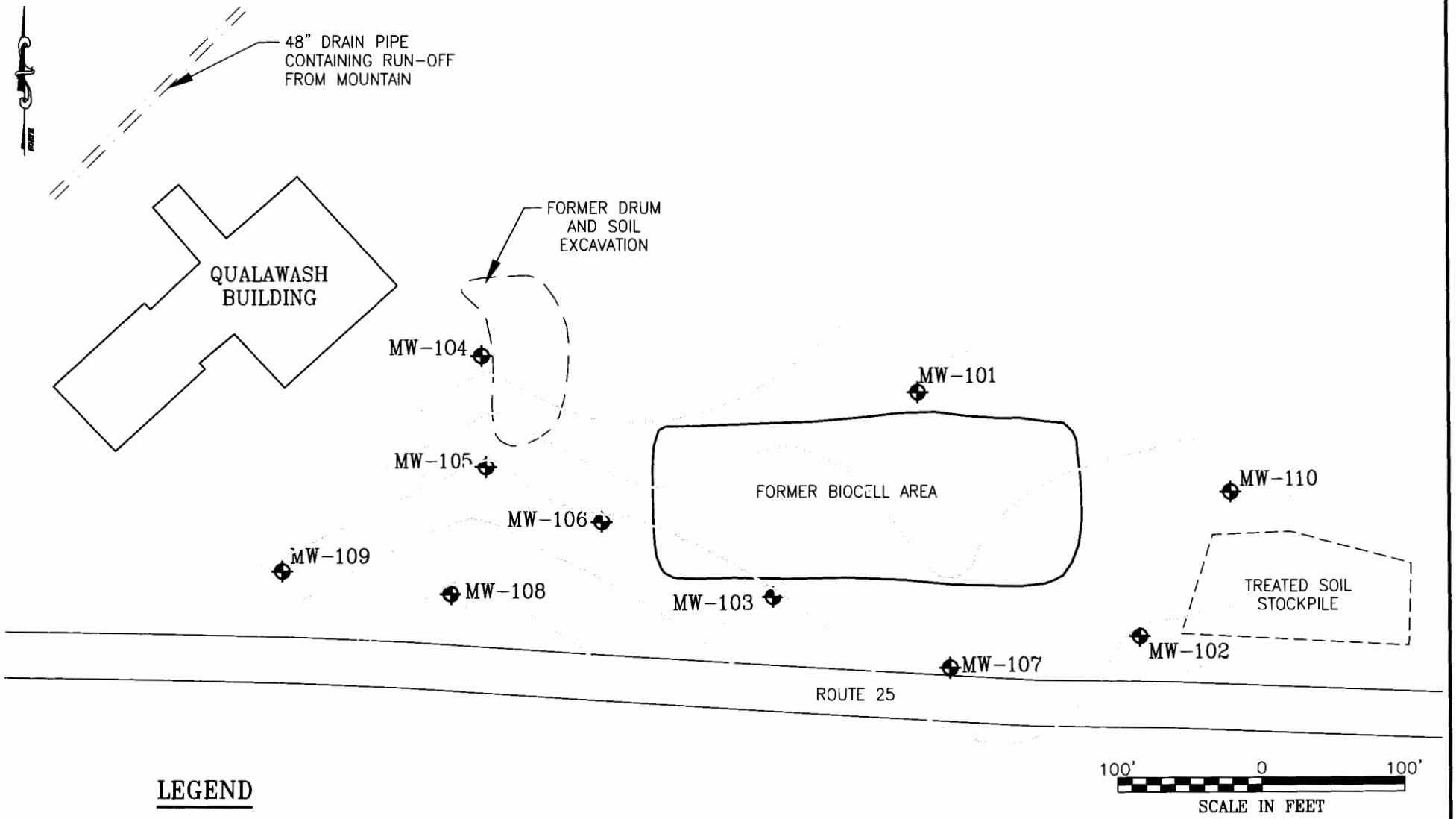
INSTITUTE, W. VA

BEDROCK ROSE DIAGRAM

SAIC

job no. 4501020069-1000-100		
file no. 20069-005.dwg		
drawn RAM	date 03/28/12	figure no.
checked	date	
approved	date	6

O:\CAD\HBG\DRAFTING1633\QUALITY DISTRIBUTION\INSTITUTE WVA\4501020069-1000-100\DWG 69-005.DWG



LEGEND

MW-101 MONITORING WELL LOCATION

NOTE: WELL LOCATIONS FROM A MAP PREPARED BY EAGLE SURVEYING, INC.

QUALITY DISTRIBUTION, INC.

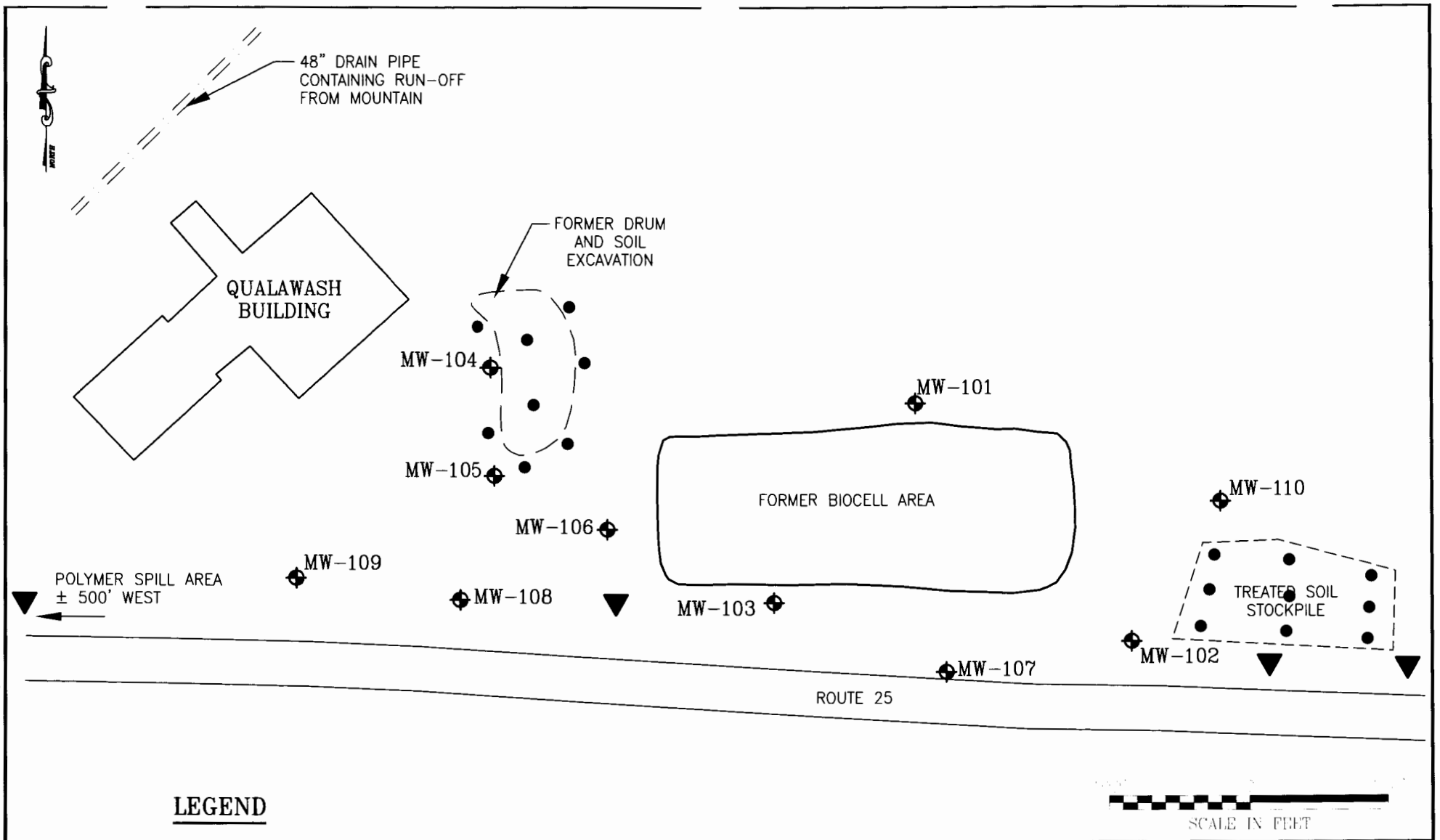
INSTITUTE, W.VA

GROUNDWATER CONTOUR MAP
DECEMBER 2, 2005

SAIC

job no.	4501020069-1000-100
file no.	20069-003.dwg
drawn RAM	date 03/28/12
checked	date
approved	date
figure no.	7

O:\CAD\HBG\ENV\DRAFTING1633\QUALITY DISTRIBUTION\INSTITUTE WVA\4501020069-1000-100\DWG\20069-003.DWG



LEGEND

MW-101 MONITORING WELL LOCATION

GENERAL LOCATION FOR PROPOSED TEMPORARY GROUNDWATER SAMPLING POINT

GENERAL LOCATION FOR PROPOSED SOIL SAMPLING POINT

NOTE: WELL LOCATIONS FROM A MAP PREPARED BY EAGLE SURVEYING, INC.

SCALE IN FEET

QUALITY DISTRIBUTION, INC.

INSTITUTE, W.VA

SITE PLAN

SAIC

job no. 45010202269-1000-100		
file no. 20069-004.dwg		
drawn RAM	date 03/28/12	figure no. 8
checked	date	
approved	date	

O:\CAD\HBG\ENV\DRAFTING1633\QUALITY DISTRIBUTION\INSTITUTE WVA\4501020069-1000-100\DWG\20069-004.DWG

TABLES

TABLE 1
SUMMARY OF SOIL CONFIRMATION SAMPLE RESULTS
1995 DRUM EXCAVATION PROJECT

		GRID CELL >>	G-1				G-2			G-3			
		LOCATION >>	E-WALL	S-WALL		BASE	S-WALL	W-WALL	BASE	E-WALL	N-WALL	BASE	
		SAMPLE DATE >>	9/12/95	9/12/95	9/20/95	9/20/95	9/12/95	9/20/95	9/20/95	9/28/95	9/28/95	9/28/95	10/3/95
	VRP DE MINIMIS VALUES												
	INDUSTRIAL	SOIL-TO-GW											
GRO			---	---	NA	NA	---	NA	NA	---	---	8.3	NA
DRO			---	11	NA	NA	---	NA	NA	5	---	11	NA
VOCs													
Acetone	200,000	**89**	ALL VOCs NON-DETECT	VOCs NOT ANALYZED	VOCs NOT ANALYZED	---	ALL VOCs NON-DETECT	VOCs NOT ANALYZED	VOCs NOT ANALYZED	ALL VOCs NON-DETECT	ALL VOCs NON-DETECT	VOCs NOT ANALYZED	ALL VOCs NON-DETECT
Methylene Chloride	580	**0.025**				**1.1**							
Toluene	360	**14**				2.0							
Ethylbenzene	190	**16**				0.98							
Chlorobenzene	340	**1.4**				---							
1,2-Dichlorobenzene	150	**12**				---							
1-chloro-2-methyl-benzene						---							
1,2,4-Trichlorobenzene	290	**4.1**				---							
1,2,3-Trimethylbenzene						---							
Trichloroethene	21	**0.036**				---							
cis-1,2-Dichloroethene	83	**0.41**				---							
Styrene	340	**2.2**				---							
1,2,3,4-Tetrahydronaphthalene						---							
Acetic Acid						---							
Heptanoic acid						---							
SVOCs													
Phenol	260,000	**130**	ALL SVOCs NON-DETECT	SVOCs NOT ANALYZED	---	3.0	ALL SVOCs NON-DETECT	---	---	---	ALL SVOCs NON-DETECT	SVOCs NOT ANALYZED	---
2-Chlorophenol	5,200	**0.5**			---	---		---	---	---			---
2,4-Dimethylphenol	18,000	**17**			---	---		---	---	---			---
Butyl benzyl phthalate	13,000	**10**			---	0.68		---	---	---			---
Bis(2-ethylhexyl)phthalate	1,800	**29**			1.4	**140**		1.1	2.1	0.76			---
Naphthalene	180	**0.0094**			**0.42**	**12**		---	---	---			**0.44**
Hexachlorobenzene	15	**0.25**			---	**3.8**		---	---	---			---
Di-n-butyl phthalate	88,000	**180**			---	5.2		---	---	---			---
N-Nitrosodiphenylamine	5,000	**1.5**			---	---		---	---	---			---
1,2-Dichlorobenzene	150	**12**			---	---		---	---	---			---
1,2,4-Trichlorobenzene	290	**4.1**			---	---		---	---	---			---
Phenanthrene	610,000	**7,400**			---	---		---	---	---			---
Fluoranthene	30,000	**3,200**			---	---		---	---	---			---
Pyrene	58,000	**400**			---	---		---	---	---			---

All values given in mg/kg. NA - Not Analyzed --- Compund not detected.

TABLE 1
SUMMARY OF SOIL CONFIRMATION SAMPLE RESULTS
1995 DRUM EXCAVATION PROJECT

		GRID CELL >>	G-4			G-5						G-6		
		LOCATION >>	W-WALL	BASE		N-BASE	S-BASE	W-WALL	N-WALL	S-WALL	E-WALL	BASE	N-WALL	S-WALL
		SAMPLE DATE >>	9/28/95	9/28/95	10/3/95	10/26/95	10/26/95	10/26/95	10/26/95	10/26/95	10/26/95	10/26/95	10/26/95	10/26/95
	VRP DE MINIMIS VALUES													
	INDUSTRIAL	SOIL-TO-GW												
GRO			---	16	7.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
DRO			---	52	140	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs														
Acetone	200,000	**89**	ALL VOCs NON-DETECT	VOCs NOT ANALYZED	---	---	---	---	ALL VOCs NON-DETECT	ALL VOCs NON-DETECT	---	---	---	---
Methylene Chloride	580	**0.025**			---	---	---	---			---	---	---	---
Toluene	360	**14**			---	---	---	---			---	0.66	---	---
Ethylbenzene	190	**16**			3.2	2.8	---	---			1.6	1.2	1.9	2.0
Chlorobenzene	340	**1.4**			---	0.68	0.75	1.0			---	0.66	---	**7.2**
1,2-Dichlorobenzene	150	**12**			---	---	---	---			---	---	---	---
1-chloro-2-methyl-benzene					---	---	---	---			---	---	---	---
1,2,4-Trichlorobenzene	290	**4.1**			---	---	---	---			---	---	---	---
1,2,3-Trimethylbenzene					---	---	---	---			---	---	---	---
Trichloroethene	21	**0.036**			---	---	---	---			---	---	---	---
cis-1,2-Dichloroethene	83	**0.41**			---	---	---	---			---	---	---	---
Styrene	340	**2.2**			---	---	---	---			---	---	---	---
1,2,3,4-Tetrahydronaphthalene					---	---	---	---			---	---	---	---
Acetic Acid					---	---	---	---			---	---	---	---
Heptanoic acid					---	---	---	---			---	---	---	---
SVOCs														
Phenol	260,000	**130**	ALL SVOCs NON-DETECT	SVOCs NOT ANALYZED	---	---	ALL SVOCs NON-DETECT	---	---	0.58	---	1.3	0.87	1.3
2-Chlorophenol	5,200	**0.5**			---	---		---	---	---	---	---	**1.0**	---
2,4-Dimethylphenol	18,000	**17**			---	0.95		---	---	---	---	2.8	---	0.73
Butyl benzyl phthalate	13,000	**10**			---	---		---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	1,800	**29**			3.1	4.9		0.57	0.35	5.8	0.37	2.7	0.58	4.3
Naphthalene	180	**0.0094**			**1.6**	**3.7**		---	**3.9**	**7.0**	---	**1.2**	**0.67**	**0.7**
Hexachlorobenzene	15	**0.25**			---	---		---	---	---	---	---	---	---
Di-n-butyl phthalate	88,000	**180**			---	---		---	---	---	---	0.34	---	0.39
N-Nitrosodiphenylamine	5,000	**1.5**			---	---		---	---	---	---	---	---	---
1,2-Dichlorobenzene	150	**12**			0.37	---		---	---	---	---	0.5	---	---
1,2,4-Trichlorobenzene	290	**4.1**			---	---		---	---	---	---	**5.4**	0.35	0.96
Phenanthrene	610,000	**7,400**			---	---		---	---	---	---	---	---	0.69
Fluoranthene	30,000	**3,200**			---	---		---	---	---	---	---	---	0.48
Pyrene	58,000	**400**			---	---		---	---	---	---	---	---	0.36

All values given in mg/kg. NA - Not Analyzed --- Compund not detected.

TABLE 1
SUMMARY OF SOIL CONFIRMATION SAMPLE RESULTS
1995 DRUM EXCAVATION PROJECT

		GRID CELL >>	G-7						G-8								
		LOCATION >>	BASE		N-WALL		S-WALL		BASE		W-WALL		E-WALL	S-WALL		N-WALL	
		SAMPLE DATE >>	10/14/95	10/26/95	10/14/95	10/26/95	10/14/95	10/26/95	10/14/95	10/26/95	10/14/95	10/26/95	10/14/95	10/14/95	10/26/95	10/14/95	10/26/95
	VRP DE MINIMIS VALUES																
	INDUSTRIAL	SOIL-TO-GW															
GRO			470	NA	1.4	NA	7.6	NA	37	NA	---	NA	---	---	NA	0.65	NA
DRO			880	NA	33	NA	55	NA	150	NA	2.7	NA	10	---	NA	7.8	NA
VOCs																	
Acetone	200,000	**89**	2.6	---	0.31	---	0.38	ALL VOCs NON-DETECT	3.9	ALL VOCs NON-DETECT	VOCs NOT ANALYZED	---	---	VOCs NOT ANALYZED	ALL VOCs NON-DETECT	VOCs NOT ANALYZED	ALL VOCs NON-DETECT
Methylene Chloride	580	**0.025**		---	---	---	---		---			---	---				
Toluene	360	**14**	4.1	---	---	---	---		---			---	---				
Ethylbenzene	190	**16**	8.9	---	0.33	---	1.1		---			---	---				
Chlorobenzene	340	**1.4**	**64**	1.0	---	**32**	**2.1**		**55**			**12**	---				
1,2-Dichlorobenzene	150	**12**	3.6	---	---	1.0	---		4.2			1.7	---				
1-chloro-2-methyl-benzene			40	---	---	---	---		0.29			---	---				
1,2,4-Trichlorobenzene	290	**4.1**	**6.0**	---	---	---	---		---			---	---				
1,2,3-Trimethylbenzene			2.1	---	---	---	---		---			---	---				
Trichloroethene	21	**0.036**		---	---	---	---		---			---	**0.74**				
cis-1,2-Dichloroethene	83	**0.41**		---	---	---	---		---			---	0.29				
Styrene	340	**2.2**	**14**	---	---	---	---		---			---	---				
1,2,3,4-Tetrahydronaphthalene			17	---	---	---	---		---			---	---				
Acetic Acid				---	---	---	0.18		---			---	---				
Heptanoic acid				---	---	---	0.13		0.21			---	---				
SVOCs																	
Phenol	260,000	**130**		0.88		---		---		ALL SVOCs NON-DETECT	SVOCs NOT ANALYZED	---	SVOCs NOT ANALYZED	SVOCs NOT ANALYZED	---	SVOCs NOT ANALYZED	---
2-Chlorophenol	5,200	**0.5**		---		---		---				---			---		---
2,4-Dimethylphenol	18,000	**17**		---		---		---				---			---		---
Butyl benzyl phthalate	13,000	**10**	SVOCs NOT ANALYZED	---	SVOCs NOT ANALYZED	0.81	SVOCs NOT ANALYZED	---	SVOCs NOT ANALYZED			---			---		1.7
Bis(2-ethylhexyl)phthalate	1,800	**29**		---		4.8		8.7				2.3			6.5		7.7
Naphthalene	180	**0.0094**		---		**0.49**		---				---			---		---
Hexachlorobenzene	15	**0.25**		---		---		---				---			---		---
Di-n-butyl phthalate	88,000	**180**		---		0.72		---				---			---		---
N-Nitrosodiphenylamine	5,000	**1.5**		---		**5.4**		---				---			---		**16**
1,2-Dichlorobenzene	150	**12**		---		0.61		---				---			---		---
1,2,4-Trichlorobenzene	290	**4.1**		---		0.98		---				---			---		0.51
Phenanthrene	610,000	**7,400**		---		0.41		---				---			---		0.36
Fluoranthene	30,000	**3,200**		---		---		---				---			---		---
Pyrene	58,000	**400**		---		---		---				---			---		---

All values given in mg/kg. NA - Not Analyzed --- Compund not detected.

Table 2

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER - GENERAL CHEMISTRY
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

Unless otherwise noted, all units are in micrograms per liter (µg/l)

		Laboratory Analysis					Field Measurements				
Location	Sample Date	Total Organic Carbon	Nitrate-Nitrogen	Ammonia Nitogen	Sulfate	Ferrous Iron	Depth to Water (feet below toc)	pH (standard units)	Dissolved Oxygen (mg/l)	Specific Conductance (umhos)	Temperature (degrees C)
MW-101	9/5/1999	1,200	NA	NA	NA	NA	16.09	6.98	NA	663	17.2
	10/18/1999	1,900	NA	NA	NA	NA	15.77	7.37	NA	826	17.7
	12/27/1999	2,100	NA	NA	NA	NA	13.58	7.50	NA	826	14.2
	3/28/2000	22,000	NA	NA	NA	NA	11.93	7.55	NA	749	13.2
	6/29/2000	1,200	NA	NA	NA	NA	13.69	7.40	NA	626	12.3
	9/26/2000	2,200	270	NA	75,000	NA	16.51	6.80	5.40	540	16.8
	12/21/2000	1,000	220	NA	64,000	ND (<1,000)	16.79	6.45	3.90	420	15.0
	6/25/2001	1,500	350	NA	67,000	ND (<1,000)	16.79	7.63	2.70	430	18.3
	12/13/2001	5,400	220	NA	53,000	ND (<1,000)	18.20	7.21	4.00	816	15.7
	5/31/2002	2,500	260	NA	61,000	ND (<1,000)	20.45	7.15	5.60	866	16.5
	12/23/2002	2,400	190	NA	52,000	ND (<1,000)	11.60	7.62	4.50	712	11.5
	5/30/2003	1,600	150	NA	52,000	ND (<1,000)	11.31	7.85	3.30	603	13.2
	11/11/2003	3,700	110	NA	52,000	ND (<1,000)	12.70	7.82	3.20	1,853	16.6
	6/29/2004	1,700	140	NA	51,000	ND (<1,000)	13.40	7.49	5.20	869	17.9
	11/22/2004	ND (<1,000)	120	NA	49,000	ND (<1,000)	12.15	6.81	4.20	786	17.0
	6/14/2005	1,800	180	NA	45,000	ND (<1,000)	13.20	7.24	2.80	730	20.1
	12/2/2005	ND (<1,000)	140	NA	ND (<100,000)	ND (<10,000)	14.85	7.13	1.80	812	12.7
MW-102	9/5/1999	7,400	NA	NA	NA	NA	20.11	7.06	NA	990	17.3
	10/19/1999	7,000	NA	NA	NA	NA	20.21	6.29	NA	1,029	14.5
	12/27/1999	6,500	NA	NA	NA	NA	19.91	7.20	NA	1,030	12.1
	3/28/2000	30,000	NA	NA	NA	NA	19.26	7.08	NA	922	14.1
	6/29/2000	5,200	NA	NA	NA	NA	22.30	6.95	NA	543	13.8
	9/26/2000	4,200	240	NA	120,000	NA	20.00	6.30	6.10	750	16.1
	12/21/2000	4,900	91	NA	120,000	ND (<1,000)	20.20	6.39	1.90	400	14.4
	6/25/2001	2,800	170	NA	140,000	ND (<1,000)	19.25	7.20	6.60	382	17.3
	12/13/2001	13,000	84	NA	110,000	ND (<1,000)	19.86	6.68	3.10	1,166	15.3
	5/31/2002	5,900	140	NA	120,000	ND (<1,000)	18.70	7.14	6.80	992	15.6
	12/23/2002	9,000	88	NA	110,000	ND (<1,000)	18.95	6.53	3.80	730	9.6
	5/30/2003	4,200	110	NA	120,000	ND (<1,000)	17.97	7.58	5.80	821	15.9
	11/11/2003	6,800	200	NA	120,000	ND (<1,000)	17.80	7.68	3.70	520	15.8
	6/29/2004	5,600	100	NA	120,000	ND (<1,000)	17.40	6.45	6.40	1,079	17.7
	11/22/2004	2,000	82	NA	120,000	ND (<1,000)	17.90	6.17	4.60	1,109	15.4
	6/14/2005	1,200	53	NA	100,000	ND (<1,000)	18.20	7.08	4.50	1,101	18.7
	12/2/2005	2,600	130	NA	120,000	ND (<1,000)	19.10	6.39	7.30	1,257	13.6
WVGPS		N/A	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 2

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER - GENERAL CHEMISTRY
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

Unless otherwise noted, all units are in micrograms per liter (µg/l)

		Laboratory Analysis					Field Measurements				
Location	Sample Date	Total Organic Carbon	Nitrate-Nitrogen	Ammonia Nitogen	Sulfate	Ferrous Iron	Depth to Water (feet below toc)	pH (standard units)	Dissolved Oxygen (mg/l)	Specific Conductance (umhos)	Temperature (degrees C)
MW-103	9/5/1999	9,100	NA	NA	NA	NA	23.66	7.07	NA	779	16.1
	10/19/1999	4,300	NA	NA	NA	NA	22.86	6.30	NA	935	14.1
	12/27/1999	5,600	NA	NA	NA	NA	22.55	6.90	NA	890	15.2
	3/28/2000	23,000	NA	NA	NA	NA	21.98	7.19	NA	655	14.5
	6/29/2000	2,200	NA	NA	NA	NA	19.68	7.04	NA	696	12.6
	9/26/2000	4,200	530	NA	81,000	NA	22.52	6.05	6.40	416	17.5
	12/21/2000	2,600	800	NA	64,000	ND (<1,000)	22.95	6.10	6.30	412	14.4
	6/25/2001	2,200	1,100	NA	58,000	ND (<1,000)	21.78	7.30	7.50	360	18.1
	12/13/2001	4,600	790	NA	54,000	ND (<1,000)	22.78	6.20	6.40	530	15.3
	5/31/2002	3,800	580	NA	50,000	ND (<1,000)	21.50	8.02	7.60	712	15.6
	12/23/2002	4,900	610	NA	52,000	ND (<1,000)	21.45	7.49	6.60	774	10.4
	5/30/2003	5,600	540	NA	47,000	ND (<1,000)	20.68	7.15	8.10	377	14.0
	11/11/2003	6,600	480	NA	49,000	ND (<1,000)	20.60	7.30	7.20	872	15.5
	6/29/2004	5,800	410	NA	55,000	ND (<1,000)	20.50	7.47	7.20	4,810	19.4
	11/22/2004	2,900	420	NA	46,000	ND (<25,000)	20.35	6.14	6.00	4,503	15.8
	6/14/2005	2,300	280	NA	59,000	ND (<1,000)	20.00	6.97	7.10	675	18.9
	12/2/2005	2,600	280	NA	59,000	ND (<5,000)	21.80	6.12	6.40	5,509	13.8
MW-104	9/5/1999	46,000	NA	NA	NA	NA	9.03	7.25	NA	1,220	19.2
	10/18/1999	47,000	NA	NA	NA	NA	9.30	6.85	NA	1,181	16.2
	12/27/1999	53,000	NA	NA	NA	NA	8.09	6.84	NA	1,237	17.0
	3/28/2000	86,000	NA	NA	NA	NA	6.65	7.24	NA	644	14.2
	6/29/2000	170,000	NA	NA	NA	NA	22.20	7.43	NA	613	14.6
	9/26/2000	87,000	ND (<50)	NA	5,000	NA	8.50	6.83	2.10	749	18.2
	12/21/2000	51,000	76	NA	13,000	ND (<1,000)	10.50	7.25	3.10	420	16.3
	6/25/2001	36,000	55	NA	1,800	2,700	7.42	6.85	ND (<0.50)	695	19.4
	12/13/2001	45,000	2,400	NA	75,000	ND (<1,000)	10.81	6.87	ND (<0.50)	805	17.9
	5/30/2002	28,000	ND (<50)	NA	25,000	ND (<1,000)	6.11	6.95	2.40	1,141	18.0
	12/23/2002	45,000	ND (<50)	NA	14,000	2,000	7.07	7.23	1.20	1,013	11.8
	5/30/2003	24,000	72	NA	70,000	ND (<1,000)	6.02	8.89	2.00	560	14.2
	9/30/2003	47,000	3,900	2,700,000	8,500,000	NA	7.10	6.11	1.16	1,353	16.7
	10/14/2003	40,000	ND (<100)	1,400,000	7,800,000	NA	NA	7.04	2.93	8,736	19.5
	11/11/2003	37,000	62	470,000	2,000,000	ND (<1,000)	8.10	6.17	0.87	5,280	17.9
	12/23/2003	46,000	ND (<50)	290,000	1,400,000	NA	NA	8.84	2.20	2,700	16.8
	1/20/2004	33,000	89	300,000	1,500,000	NA	5.60	6.95	8.60	1,189	8.5
	2/13/2004	64,000	ND (<50)	32,000	460,000	NA	5.50	8.29	ND (<0.50)	3,112	6.2
	6/29/2004	27,000	ND (<50)	NA	920,000	ND (<1,000)	5.75	7.18	ND (<0.50)	3,097	21.3
	11/22/2004	17,000	ND (<50)	NA	530,000	ND (<1,000)	9.00	7.87	1.10	3,002	16.3
	6/14/2005	15,000	93	NA	250,000	ND (<1,000)	5.34	7.63	0.83	1,229	22.0
	12/2/2005	14,000	73	NA	130,000	ND (<1,000)	8.83	7.12	2.30	1,192	15.5
WVGPS		N/A	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 2

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER - GENERAL CHEMISTRY
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

Unless otherwise noted, all units are in micrograms per liter (μg/l)

		Laboratory Analysis					Field Measurements				
Location	Sample Date	Total Organic Carbon	Nitrate-Nitrogen	Ammonia Nitogen	Sulfate	Ferrous Iron	Depth to Water (feet below toc)	pH (standard units)	Dissolved Oxygen (mg/l)	Specific Conductance (umhos)	Temperature (degrees C)
MW-105	9/5/1999	130,000	NA	NA	NA	NA	20.30	7.24	NA	1,430	16.6
	10/18/1999	89,000	NA	NA	NA	NA	21.16	6.69	NA	1,375	15.5
	12/27/1999	65,000	NA	NA	NA	NA	19.85	7.05	NA	1,220	13.8
	3/28/2000	83,000	NA	NA	NA	NA	19.15	7.65	NA	856	15.1
	6/29/2000	78,000	NA	NA	NA	NA	19.82	6.85	NA	627	12.1
	9/26/2000	26,000	ND (<50)	NA	18,000	NA	20.45	6.80	2.80	662	16.3
	12/21/2000	20,000	76	NA	3,500	ND (<1,000)	20.51	6.19	0.97	345	15.1
	6/25/2001	29,000	54	NA	2,100	20,000	19.55	6.90	ND (<0.50)	420	17.9
	12/13/2001	32,000	ND (<50)	NA	2,500	9,500	20.23	6.80	ND (<0.50)	1,050	15.9
	5/30/2002	52,000	ND (<50)	NA	1,300	2,700	16.87	6.59	1.40	1,430	18.4
	12/23/2002	31,000	ND (<50)	NA	12,000	23,000	19.10	6.34	0.73	889	9.9
	5/30/2003	23,000	ND (<50)	NA	ND (<20,000)	31,000	18.10	7.09	ND (<0.50)	916	14.9
	9/30/2003	260,000	160,000	21,000,000	68,000,000	NA	18.94	6.13	2.36	1,361	15.4
	10/14/2003	140,000	72,000	9,600,000	38,000,000	NA	NA	6.58	2.39	5,510	16.7
	11/11/2003	120,000	56,000	11,000,000	38,000,000	380,000	18.35	7.14	ND (<0.50)	1,006	18.5
	12/23/2003	52,000	720	2,800,000	11,000,000	NA	NA	7.53	1.70	1,851	15.5
	1/20/2004	38,000	ND (<50)	2,300,000	9,200,000	NA	18.02	6.78	7.60	4,259	14.2
	2/13/2004	36,000	4,200	2,700,000	11,000,000	NA	17.30	8.85	ND (<0.50)	2,900	13.1
	6/29/2004	24,000	360	NA	7,400,000	ND (<1,000)	17.94	6.58	ND (<0.50)	1,660	24.4
	11/22/2004	21,000	ND (<50)	NA	4,400,000	99,000	17.91	8.26	ND (<0.50)	3,210	17.1
	6/14/2005	19,000	ND (<50)	NA	1,000,000	32,000	18.50	6.88	1.20	3,301	17.0
	12/2/2005	15,000	840	NA	270,000	120,000	19.49	6.92	1.90	1,510	15.7
MW-106	9/5/1999	14,000	NA	NA	NA	NA	20.75	7.13	NA	1,250	16.9
	10/18/1999	10,000	NA	NA	NA	NA	20.94	6.90	NA	1,294	15.2
	12/27/2099	12,000	ND (<50)	NA	NA	NA	19.90	7.19	NA	1,312	12.7
	3/28/2000	52,000	NA	NA	NA	NA	19.70	7.34	NA	917	15.2
	6/29/2000	28,000	NA	NA	NA	NA	20.26	6.90	NA	673	11.3
	9/26/2000	12,000	ND (<50)	NA	16,000	NA	20.74	6.55	2.80	911	15.5
	12/21/2000	15,000	ND (<50)	NA	14,000	ND (<1,000)	20.90	6.39	ND (<0.50)	470	14.4
	6/25/2001	12,000	ND (<50)	NA	17,000	ND (<1,000)	19.75	6.96	ND (<0.50)	406	18.7
	12/13/2001	20,000	ND (<50)	NA	14,000	6,900	20.72	6.70	2.90	1,390	15.3
	5/30/2002	16,000	ND (<50)	NA	38,000	ND (<1,000)	19.32	6.62	4.30	1,290	16.2
	12/23/2002	20,000	ND (<50)	NA	13,000	ND (<1,000)	19.55	7.33	2.30	907	12.1
	5/30/2003	13,000	57	NA	13,000	1,400	18.52	7.30	2.50	890	15.0
	9/30/2003	27,000	11,000	1,200,000	5,800,000	NA	19.00	7.05	4.16	943	14.9
	10/14/2003	41,000	4,800	1,800,000	3,300,000	NA	NA	6.62	3.79	2,589	15.9
	11/11/2003	16,000	540	ND (<1,000)	650,000	ND (<1,000)	18.70	6.11	2.60	1,595	15.7
	12/23/2003	14,000	ND (<50)	84,000	270,000	NA	NA	6.83	3.30	1,424	16.0
	1/20/2004	13,000	190	64,000	330,000	NA	18.34	6.90	9.40	731	13.3
	2/13/2004	12,000	91	82,000	320,000	NA	17.65	7.32	2.40	3,433	12.8
	6/29/2004	8,400	450	NA	330,000	ND (<1,000)	18.10	6.73	ND (<0.50)	1,737	23.7
	11/22/2004	7,200	ND (<50)	NA	88,000	ND (<1,000)	18.16	7.21	2.20	1,373	14.4
	6/14/2005	6,300	61	NA	49,000	ND (<1,000)	18.76	6.77	2.60	1,046	17.5
	12/2/2005	6,300	ND (<50)	NA	58,000	1,900	19.72	6.81	3.60	1,422	15.3
WVGPS		N/A	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 2

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER - GENERAL CHEMISTRY
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

Unless otherwise noted, all units are in micrograms per liter (µg/l)

		Laboratory Analysis					Field Measurements				
Location	Sample Date	Total Organic Carbon	Nitrate-Nitrogen	Ammonia Nitogen	Sulfate	Ferrous Iron	Depth to Water (feet below toc)	pH (standard units)	Dissolved Oxygen (mg/l)	Specific Conductance (umhos)	Temperature (degrees C)
MW-107	9/26/2000	3,100	ND (<50)	NA	130,000	NA	10.00	5.62	2.70	674	16.0
	12/21/2000	5,900	55	NA	130,000	ND (<1,000)	10.55	6.01	1.50	355	15.0
	6/25/2001	5,200	21	NA	140,000	ND (<1,000)	9.50	6.88	0.89	335	18.3
	12/13/2001	19,000	ND (<50)	NA	100,000	ND (<1,000)	10.21	6.45	1.80	1,107	16.6
	5/31/2002	8,600	ND (<50)	NA	110,000	ND (<1,000)	9.25	6.08	1.70	1,063	16.0
	12/23/2002	19,000	ND (<50)	NA	100,000	ND (<1,000)	9.20	8.06	2.80	906	11.7
	5/30/2003	6,400	ND (<50)	NA	130,000	ND (<1,000)	8.29	6.94	2.80	719	15.2
	11/11/2003	6,900	ND (<50)	NA	140,000	ND (<1,000)	8.30	6.16	2.50	569	15.8
	6/29/2004	3,800	ND (<50)	NA	130,000	ND (<1,000)	8.03	6.89	1.10	1,080	24.6
	11/22/2004	4,700	ND (<50)	NA	130,000	ND (<1,000)	5.70	6.80	3.00	1,299	16.1
	6/14/2005	5,200	250	NA	97,000	ND (<1,000)	8.80	7.86	2.50	1,385	18.7
	12/2/2005	12,000	160	NA	150,000	ND (<1,000)	5.82	7.88	2.30	1,485	12.5
MW-108	9/26/2000	3,200	ND (<50)	NA	180,000	NA	16.13	6.30	3.10	532	15.9
	12/21/2000	3,300	ND (<50)	NA	150,000	ND (<1,000)	16.62	6.20	1.50	400	15.3
	6/25/2001	4,000	ND (<50)	NA	160,000	ND (<1,000)	15.28	6.80	0.82	410	19.6
	12/13/2001	5,500	ND (<50)	NA	150,000	ND (<1,000)	16.00	6.25	2.00	897	15.9
	5/30/2002	4,800	62	NA	160,000	ND (<1,000)	14.90	6.55	1.70	970	15.4
	12/23/2002	5,900	ND (<50)	NA	140,000	ND (<1,000)	14.72	6.77	1.90	810	9.7
	5/30/2003	3,300	110	NA	170,000	ND (<1,000)	13.98	7.04	2.20	598	14.9
	9/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/14/2003	6,300	ND (<50)	24,000	260,000	NA	NA	6.48	2.17	843	16.0
	11/11/2003	5,800	290	6,800	200,000	ND (<1,000)	13.90	6.44	1.20	649	15.8
	12/23/2003	3,700	ND (<50)	1,200	170,000	NA	NA	6.18	2.80	726	15.9
	1/20/2004	4,000	82	1,200	180,000	NA	13.80	6.50	7.50	4,040	9.5
	2/13/2004	3,500	270	ND (<1,000)	170,000	NA	13.25	7.21	2.60	3,386	7.6
	6/29/2004	4,000	180	NA	240,000	ND (<1,000)	13.90	7.59	2.40	1,059	17.8
	11/22/2004	2,500	180	NA	150,000	ND (<1,000)	13.65	7.09	2.80	907	14.7
	6/14/2005	1,300	150	NA	14,000	ND (<1,000)	14.25	7.27	2.30	717	20.2
	12/2/2005	2,500	120	NA	160,000	ND (<1,000)	25.13	6.37	2.90	989	15.8
WVGPS		N/A	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 2

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER - GENERAL CHEMISTRY
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

Unless otherwise noted, all units are in micrograms per liter (µg/l)

		Laboratory Analysis					Field Measurements				
Location	Sample Date	Total Organic Carbon	Nitrate-Nitrogen	Ammonia Nitogen	Sulfate	Ferrous Iron	Depth to Water (feet below toc)	pH (standard units)	Dissolved Oxygen (mg/l)	Specific Conductance (umhos)	Temperature (degrees C)
MW-109	9/26/2000	3,000	ND (<50)	NA	140,000	NA	19.93	6.30	3.20	484	16.6
	12/21/2000	3,400	ND (<50)	NA	160,000	ND (<1,000)	20.10	6.47	1.20	400	15.7
	6/25/2001	3,900	ND (<50)	NA	140,000	ND (<1,000)	19.12	6.83	0.65	411	18.6
	12/13/2001	8,300	0.069	NA	130,000	ND (<1,000)	19.89	6.30	2.90	671	16.4
	5/30/2002	4,100	ND (<50)	NA	110,000	ND (<1,000)	18.80	6.55	2.30	705	18.9
	12/23/2002	5,400	ND (<50)	NA	110,000	1,900	18.50	6.23	2.00	696	10.2
	5/30/2003	3,300	ND (<50)	NA	140,000	ND (<1,000)	17.90	6.58	2.70	721	14.6
	9/30/2003	4,200	120	22,000	220,000	NA	18.30	5.67	2.32	790	16.4
	10/14/2003	4,700	ND (<50)	14,000	190,000	NA	NA	6.35	3.02	776	16.1
	11/11/2003	4,600	ND (<50)	4,300	170,000	ND (<1,000)	17.80	6.45	1.20	653	17.2
	12/23/2003	3,500	ND (<50)	1,300	180,000	NA	NA	6.06	2.70	716	16.7
	1/20/2004	3,800	ND (<50)	5,000	180,000	NA	28.00	6.39	7.80	4,361	14.4
	2/13/2004	3,500	ND (<50)	ND (<1,000)	160,000	NA	17.14	6.15	2.10	1,490	13.9
	6/29/2004	2,500	ND (<50)	NA	140,000	2,000	17.80	6.24	1.70	867	18.0
	11/22/2004	2,000	ND (<50)	NA	150,000	1,100	17.50	7.28	2.80	823	16.4
	6/14/2005	1,600	ND (<50)	NA	110,000	ND (<1,000)	18.23	5.59	1.80	685	17.8
	12/2/2005	1,900	ND (<50)	NA	140,000	ND (<1,000)	18.95	6.89	3.40	1,013	16.1
MW-110	9/26/2000	7,100	ND (<50)	NA	130,000	NA	21.62	6.49	6.60	563	14.3
	12/21/2000	4,100	ND (<50)	NA	33,000	ND (<1,000)	22.57	6.35	1.10	425	15.1
	6/25/2001	2,400	320	NA	73,000	ND (<1,000)	21.49	6.26	2.70	410	18.3
	12/13/2001	21,000	ND (<50)	NA	46,000	ND (<1,000)	22.55	7.00	2.00	888	14.9
	5/31/2002	5,200	65	NA	36,000	ND (<1,000)	29.00	6.18	2.40	879	15.9
	12/23/2002	9,400	ND (<50)	NA	28,000	ND (<1,000)	21.20	7.48	2.00	642	10.7
	5/30/2003	2,700	150	NA	28,000	ND (<1,000)	20.35	7.63	2.50	588	15.6
	11/11/2003	4,400	ND (<50)	NA	32,000	ND (<1,000)	27.50	6.88	2.60	702	14.9
	6/29/2004	4,700	990	NA	32,000	ND (<1,000)	20.10	7.24	4.00	982	19.2
	11/22/2004	1,700	ND (<50)	NA	29,000	ND (<1,000)	20.30	6.60	2.50	809	15.7
	6/14/2005	ND(<1,000)	120	NA	30,000	ND (<1,000)	20.95	7.03	1.60	842	18.9
	12/2/2005	ND(<1,000)	ND (<50)	NA	38,000	ND (<1,000)	21.50	6.93	2.20	1,105	12.5
WVGPS		N/A	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

N/A: There is no established West Virginia groundwater protection standard per Title 46, Series 12 Appendix A
NA: Compound was not analyzed during the sampling event

TABLE 3

SUMMARY APPENDIX IX DETECTED METALS

GROUNDWATER SAMPLES COLLECTED OCTOBER 18-19, 1999

Unless otherwise noted, all units are in micrograms per liter (ug/l)

Location	Total Metals												
	Barium	Lead	Copper	Nickel	Zinc	Iron	Manganese	Vanadium	Aluminum	Calcium	Magnesium	Potassium	Sodium
MW-101	300	ND (<100)	ND (<20)	ND (<40)	40	3,800	550	ND (<20)	3,900	47,000	17,000	2,900	120,000
MW-102	120	ND (<100)	ND (<20)	ND (<40)	42	360	**3,200**	ND (<20)	ND (<200)	61,000	26,000	1,900	120,000
MW-103	100	ND (<100)	ND (<20)	ND (<40)	59	1,200	630	ND (<20)	780	39,000	16,000	1,400	140,000
MW-104	1,200	ND (<100)	130	57	110	**27,000**	**2,500**	**36**	6,300	140,000	27,000	2,400	100,000
MW-105	**2,200**	**120**	140	49	93	**77,000**	**3,500**	**40**	6,900	180,000	28,000	7,500	56,000
MW-106	700	ND (<100)	ND (<20)	ND (<40)	23	1,800	**6,600**	ND (<20)	730	130,000	29,000	3,100	93,000
WVGPS	2,000	15	1,300	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VRP DMV	2,000	15	1,500	730	11,000	26,000	1,700	2.6	37,000	N/A	N/A	N/A	N/A

N/A: There is no established WVGPS or VRP DMV.

Note: Only the detected compounds for the analysis have been reported

Table 4

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER - VOCs
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

Unless otherwise noted, all units are in micrograms per liter (ug/l)

Location	Sample Date	Vinyl chloride	Acetone	1,1-Dichloroethene	1,2-Dichloroethene	1,2-Dichloroethane	MEK	1,2-Dichloropropane	Trichloroethene
MW-101	9/5/1999	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)
	10/18/1999	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)
	12/27/1999	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)
	3/28/2000	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	6/29/2000	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	9/26/2000	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/21/2000	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	6/25/2001	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/13/2001	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	5/31/2002	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/23/2002	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	5/30/2003	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	11/11/2003	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	6/29/2004	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	11/22/2004	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	6/14/2005	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	12/2/2005	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
WVGPS		2	N/A	7	70	5	N/A	5	5
VRP DMV		2	22,000	7	70	5	7,100	5	5

Location	Sample Date	1,1,2-Trichloroethane	Benzene	MIBK	1,1,2,2-Tetrachlorethane	Tetrachloroethene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes
MW-101	9/5/1999	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)
	10/18/1999	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)
	12/27/2099	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	3/28/2000	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	6/29/2000	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	9/26/2000	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	12/21/2000	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	26	ND(<5)	ND(<10)
	6/25/2001	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	**140**	5.6	ND(<10)
	12/13/2001	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	5/31/2002	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	12/23/2002	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	5/30/2003	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	11/11/2003	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	6/29/2004	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	11/22/2004	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	6/14/2005	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	12/2/2005	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
WVGPS		5	5	N/A	N/A	5	1,000	N/A	700	10,000
VRP DMV		5	5	2,000	0.067	5	1,000	100	700	10,000

Table 4

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER - VOCs
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

Unless otherwise noted, all units are in micrograms per liter (ug/l)

Location	Sample Date	Vinyl chloride	Acetone	1,1-Dichloroethene	1,2-Dichloroethene	1,2-Dichloroethane	MEK	1,2-Dichloropropane	Trichloroethene
MW-102	9/5/1999	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	**5.3**	ND (<5)
	10/19/1999	ND (<5)	10	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)
	12/27/1999	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)
	3/28/2000	ND (<5)	17	ND (<5)	ND (<5)	ND (<5)	ND (<10)	**6.6**	ND (<5)
	6/29/2000	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	9/26/2000	ND(<5)	ND(<10)	ND(<5)	ND(<5)	**7.7**	ND(<10)	**33**	ND(<5)
	12/21/2000	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	**6.4**	ND(<5)
	6/25/2001	ND(<5)	ND(<10)	ND(<5)	ND(<5)	**9.4**	ND(<10)	**69**	ND(<5)
	12/13/2001	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	**12**	ND(<5)
	5/31/2002	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	**33**	ND(<5)
	12/23/2002	ND (<5)	38	ND (<5)	ND (<5)	ND (<5)	ND (<10)	**23**	ND (<5)
	5/30/2003	ND (<5)	ND(<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	**50**	ND (<5)
	11/11/2003	ND (<5)	ND(<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	**36**	ND (<5)
	6/29/2004	ND (<5)	ND(<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	**37**	ND (<5)
	11/22/2004	ND (<5)	ND(<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	**27**	ND (<5)
	6/14/2005	ND (<5)	ND(<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	**17**	ND (<5)
	12/2/2005	ND (<5)	ND(<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	**21**	ND (<5)
WVGPS		2	N/A	7	70	5	N/A	5	5
VRP DMV		2	22,000	7	70	5	7,100	5	5

Location	Sample Date	1,1,2-Trichloroethane	Benzene	MIBK	1,1,2,2-Tetrachlorethane	Tetrachloroethene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes
MW-102	9/5/1999	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)
	10/19/1999	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)
	12/27/2099	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	3/28/2000	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	6/29/2000	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	9/26/2000	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	98	ND(<5)	ND(<10)
	12/21/2000	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	**130**	5.8	ND(<10)
	6/25/2001	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	**250**	11	ND(<10)
	12/13/2001	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	5/31/2002	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	12/23/2002	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	5/30/2003	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	11/11/2003	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	6/29/2004	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	11/22/2004	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	6/14/2005	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	12/2/2005	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
WVGPS		5	5	N/A	N/A	5	1,000	N/A	700	10,000
VRP DMV		5	5	2,000	0.067	5	1,000	100	700	10,000

Table 4

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER - VOCs
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

Unless otherwise noted, all units are in micrograms per liter (ug/l)

Location	Sample Date	Vinyl chloride	Acetone	1,1-Dichloroethene	1,2-Dichloroethene	1,2-Dichloroethane	MEK	1,2-Dichloropropane	Trichloroethene
MW-103	9/5/1999	**29**	ND (<10)	ND (<5)	7.1	ND (<5)	ND (<5)	ND (<5)	ND (<5)
	10/19/1999	**11**	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)
	12/27/1999	ND (<5)	16	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)
	3/28/2000	ND (<5)	32	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	6/29/2000	ND(<5)	ND(<10)	ND(<5)	ND(<5)	**21**	ND(<10)	**38**	ND(<5)
	9/26/2000	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND (<5)	ND(<10)	ND (<5)	ND(<5)
	12/21/2000	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND (<5)	ND(<10)	ND (<5)	ND(<5)
	6/25/2001	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND (<5)	ND(<10)	ND (<5)	ND(<5)
	12/13/2001	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	5/31/2002	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/23/2002	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	5/30/2003	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	11/11/2003	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	6/29/2004	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	11/22/2004	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	6/14/2005	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	12/2/2005	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
WVGPS		2	N/A	7	70	5	N/A	5	5
VRP DMV		2	22,000	7	70	5	7,100	5	5

Location	Sample Date	1,1,2-Trichloroethane	Benzene	MIBK	1,1,2,2-Tetrachlorethane	Tetrachloroethene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes
MW-103	9/5/1999	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)
	10/19/1999	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)
	12/27/1999	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)
	3/28/2000	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	6/29/2000	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	9/26/2000	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	72	ND(<5)	ND(<10)
	12/21/2000	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	24	ND(<5)	ND(<10)
	6/25/2001	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	**130**	7.2	ND(<10)
	12/13/2001	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	5/31/2002	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	12/23/2002	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	5/30/2003	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	11/11/2003	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	6/29/2004	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	11/22/2004	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	6/14/2005	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	12/2/2005	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
WVGPS		5	5	N/A	N/A	5	1,000	N/A	700	10,000
VRP DMV		5	5	2,000	0.067	5	1,000	100	700	10,000

Table 4

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER - VOCs
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

Unless otherwise noted, all units are in micrograms per liter (ug/l)

Location	Sample Date	Vinyl chloride	Acetone	1,1-Dichloroethene	1,2-Dichloroethene	1,2-Dichloroethane	MEK	1,2-Dichloropropane	Trichloroethene
MW-104	9/5/1999	**5.6**	ND (<10)	ND (<5)	22	ND (<5)	ND (<5)	ND (<5)	**27**
	10/18/1999	ND (<500)	1,200	ND (<500)	ND (<500)	ND (<500)	ND (<1,000)	ND (<500)	ND (<500)
	12/27/1999	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)
	3/28/2000	**24**	170	ND (<5)	**83**	ND (<5)	22	ND (<5)	**54**
	6/29/2000	ND(<100)	ND(<100)	ND(<100)	ND(<100)	ND(<100)	ND(<100)	ND(<100)	ND(<100)
	9/26/2000	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)
	12/21/2000	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)
	6/25/2001	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)
	12/13/2001	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	5/30/2002	ND (<250)	ND(<250)	ND(<250)	ND(<250)	ND(<250)	ND(<250)	ND (<250)	ND(<250)
	12/23/2002	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)
	5/30/2003	ND (<250)	ND(<250)	ND(<250)	ND(<250)	ND(<250)	ND(<250)	ND (<250)	ND(<250)
	11/11/2003	ND (<250)	ND(<250)	ND(<250)	ND(<250)	ND(<250)	ND(<250)	ND (<250)	ND(<250)
	6/29/2004	ND (<250)	ND(<250)	ND(<250)	ND(<250)	ND(<250)	ND(<250)	ND (<250)	ND(<250)
	11/22/2004	ND (<250)	ND(<250)	ND(<250)	ND(<250)	ND(<250)	ND(<250)	ND (<250)	ND(<250)
	6/14/2005	ND(<100)	ND(<100)	ND(<100)	ND(<100)	ND(<100)	ND(<100)	ND(<100)	ND(<100)
	12/2/2005	ND(<250)	ND(<250)	ND(<250)	ND(<250)	ND(<250)	ND(<250)	ND(<250)	ND(<250)
WVGPS		2	N/A	7	70	5	N/A	5	5
VRP DMV		2	22,000	7	70	5	7,100	5	5

Location	Sample Date	1,1,2-Trichloroethane	Benzene	MIBK	1,1,2,2-Tetrachlorethane	Tetrachloroethene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes
MW-104	9/5/1999	ND (<5)	**160**	10	ND (<5)	ND (<5)	140	**19,000**	**820**	170
	10/18/1999	ND (<500)	ND (<500)	1,200	ND (<500)	ND (<500)	ND (<500)	**18,000**	**910**	ND (<500)
	12/27/1999	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	**16,000**	**730**	ND (<500)
	3/28/2000	ND (<5)	**54**	ND (<10)	ND (<5)	ND (<5)	99	**9,000**	390	70
	6/29/2000	ND(<100)	ND(<100)	ND(<100)	ND(<100)	ND(<100)	120	**9,800**	400	ND(<100)
	9/26/2000	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	**31,000**	ND (<1,000)	ND (<1,000)
	12/21/2000	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	**21,000**	ND (<1,000)	ND (<1,000)
	6/25/2001	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	ND (<1,000)	**32,000**	ND (<1,000)	ND (<1,000)
	12/13/2001	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	**16,000**	ND(<500)	ND (<500)
	5/30/2002	ND (<250)	ND (<250)	ND (<250)	ND (<250)	ND (<250)	ND (<250)	**19,000**	330	ND (<250)
	12/23/2002	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	**24,000**	ND (<500)	ND (<500)
	5/30/2003	ND (<250)	ND (<250)	ND (<250)	ND (<250)	ND (<250)	ND (<250)	**5,000**	ND (<250)	ND (<250)
	11/11/2003	ND (<250)	ND (<250)	ND (<250)	ND (<250)	ND (<250)	ND (<250)	**4,500**	ND (<250)	ND (<250)
	6/29/2004	ND (<250)	ND (<250)	ND (<250)	ND (<250)	ND (<250)	ND (<250)	**2,000**	ND (<250)	ND (<250)
	11/22/2004	ND (<250)	ND (<250)	ND (<250)	ND (<250)	ND (<250)	ND (<250)	**1,600**	330	ND (<250)
	6/14/2005	ND(<100)	ND(<100)	ND(<100)	ND(<100)	ND(<100)	ND(<100)	**1,900**	310	510
	12/2/2005	ND(<250)	ND(<250)	ND(<250)	ND(<250)	ND(<250)	ND(<250)	**1,700**	ND(<250)	290
WVGPS		5	5	N/A	N/A	5	1,000	N/A	700	10,000
VRP DMV		5	5	2,000	0.067	5	1,000	100	700	10,000

Table 4

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER - VOCs
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

Unless otherwise noted, all units are in micrograms per liter (ug/l)

Location	Sample Date	Vinyl chloride	Acetone	1,1-Dichloroethene	1,2-Dichloroethene	1,2-Dichloroethane	MEK	1,2-Dichloropropane	Trichloroethene
MW-105	9/5/1999	ND (<5)	1,500	ND (<5)	ND (<5)	ND (<5)	540	ND (<5)	ND (<5)
	10/18/1999	ND (<50)	1,900	ND (<50)	ND (<50)	ND (<50)	520	ND (<50)	ND (<50)
	12/27/1999	ND (<50)	330	ND (<50)	ND (<50)	ND (<50)	97	ND (<50)	ND (<50)
	3/28/2000	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	6/29/2000	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	9/26/2000	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/21/2000	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	6/25/2001	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/13/2001	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	5/30/2002	ND(<5)	54	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/23/2002	ND (<5)	16	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	5/30/2003	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	11/11/2003	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	6/29/2004	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	11/22/2004	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	6/14/2005	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	12/2/2005	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
WVGPS		2	N/A	7	70	5	N/A	5	5
VRP DMV		2	22,000	7	70	5	7,100	5	5

Location	Sample Date	1,1,2-Trichloroethane	Benzene	MIBK	1,1,2,2-Tetrachlorethane	Tetrachloroethene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes
MW-105	9/5/1999	ND (<5)	**6.8**	**2,300**	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)
	10/18/1999	ND (<50)	ND (<50)	1,500	ND (<50)	ND (<50)	ND (<50)	**560**	ND (<50)	ND (<50)
	12/27/1999	ND (<50)	ND (<50)	150	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)
	3/28/2000	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	6/29/2000	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	9/26/2000	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	**270**	13	ND(<10)
	12/21/2000	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	12	ND(<5)	ND(<10)
	6/25/2001	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	**570**	26	ND(<10)
	12/13/2001	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	5/30/2002	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	12/23/2002	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	5/30/2003	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	11/11/2003	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	9.8	ND (<5)	ND (<10)
	6/29/2004	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	15	ND (<5)	ND (<10)
	11/22/2004	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	6	ND (<5)	ND (<10)
	6/14/2005	ND (<5)	ND (<5)	11	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	12/2/2005	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
WVGPS		5	5	N/A	N/A	5	1,000	N/A	700	10,000
VRP DMV		5	5	2,000	0.067	5	1,000	100	700	10,000

Table 4

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER - VOCs
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

Unless otherwise noted, all units are in micrograms per liter (ug/l)

Location	Sample Date	Vinyl chloride	Acetone	1,1-Dichloroethene	1,2-Dichloroethene	1,2-Dichloroethane	MEK	1,2-Dichloropropane	Trichloroethene
MW-106	9/5/1999	**40**	ND (<10)	5.7	**170**	**35**	ND (<10)	**7.4**	**330**
	10/18/1999	ND (<50)	ND (<100)	ND (<50)	ND (<50)	ND (<50)	ND (<100)	ND (<50)	ND (<50)
	12/27/1999	ND (<50)	ND (<50)	ND (<50)	**160**	ND (<50)	ND (<50)	ND (<50)	**370**
	3/28/2000	**28**	29	5.2	**110**	**29**	ND (<10)	**7.5**	**340**
	6/29/2000	ND(<50)	ND(<50)	ND(<50)	**120**	**56**	ND(<50)	ND(<50)	**380**
	9/26/2000	ND(<50)	ND(<50)	ND(<50)	**180**	ND (<50)	ND(<50)	ND(<50)	**400**
	12/21/2000	ND(<50)	ND(<50)	ND(<50)	**180**	ND (<50)	ND(<50)	ND(<50)	**370**
	6/25/2001	ND(<50)	ND(<50)	ND(<50)	**140**	ND (<50)	ND(<50)	ND(<50)	**300**
	12/13/2001	**46**	ND(<10)	ND(<5)	**170**	ND(<5)	ND(<10)	ND(<5)	**360**
	5/30/2002	ND(<25)	ND(<25)	ND(<25)	**130**	**30**	ND(<25)	ND(<25)	**290**
	12/23/2002	ND (<25)	ND (<25)	ND (<25)	**130**	ND (<25)	ND (<25)	ND (<25)	**280**
	5/30/2003	**42**	ND (<5)	5.4	**120**	**26**	ND (<5)	5	**280**
	11/11/2003	ND (<50)	ND (<50)	ND (<50)	**150**	ND (<50)	ND (<50)	ND (<50)	**270**
	6/29/2004	ND (<50)	ND (<50)	ND (<50)	**73**	ND (<50)	ND (<50)	ND (<50)	**230**
	11/22/2004	ND (<50)	ND (<50)	ND (<50)	**110**	ND (<50)	ND (<50)	ND (<50)	**270**
	6/14/2005	**30**	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)
	12/2/2005	ND (<50)	ND (<50)	ND (<50)	**110**	ND (<50)	ND (<50)	ND (<50)	**300**
WVGPS		2	N/A	7	70	5	N/A	5	5
VRP DMV		2	22,000	7	70	5	7,100	5	5

Location	Sample Date	1,1,2-Trichloroethane	Benzene	MIBK	1,1,2,2-Tetrachlorethane	Tetrachloroethene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes
MW-106	9/5/1999	**93**	**75**	ND (<10)	ND (<5)	**10**	ND (<5)	**1,400**	ND (<5)	ND (<5)
	10/18/1999	ND (<50)	**65**	ND (<100)	**80**	**310**	ND (<50)	**1,400**	ND (<50)	ND (<50)
	12/27/1999	**68**	**74**	ND (<50)	ND (<50)	ND (<50)	ND (<50)	**1,200**	ND (<50)	ND (<50)
	3/28/2000	**66**	**58**	ND (<10)	ND (<5)	**7.6**	ND (<5)	**1,500**	ND (<5)	ND (<10)
	6/29/2000	**74**	**67**	ND(<100)	ND(<50)	ND(<50)	ND(<50)	**1,400**	ND(<50)	ND(<50)
	9/26/2000	**93**	**75**	ND(<100)	ND(<50)	ND(<50)	ND(<50)	**1,700**	ND(<50)	ND(<50)
	12/21/2000	**79**	**93**	ND(<100)	ND(<50)	ND(<50)	ND(<50)	**1,600**	ND(<50)	ND(<50)
	6/25/2001	**68**	**67**	ND(<100)	ND(<50)	ND(<50)	ND(<50)	**1,600**	ND(<50)	ND(<50)
	12/13/2001	**75**	**82**	ND(<25)	ND(<25)	ND(<25)	ND(<25)	**1,700**	ND(<25)	ND(<25)
	5/30/2002	ND (<25)	**46**	ND(<25)	ND(<25)	ND(<25)	ND(<25)	**1,500**	ND(<25)	ND(<25)
	12/23/2002	ND (<25)	**69**	ND (<25)	ND (<25)	ND (<25)	ND (<25)	**1,400**	ND (<25)	ND (<25)
	5/30/2003	**64**	**66**	ND (<5)	ND (<5)	**7.6**	ND (<5)	**1,400**	ND (<5)	ND (<5)
	11/11/2003	ND (<50)	**60**	ND (<50)	ND (<50)	ND (<50)	ND (<50)	**1,600**	ND (<50)	ND (<50)
	6/29/2004	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	**2,100**	ND (<50)	ND (<50)
	11/22/2004	ND (<50)	**78**	ND (<50)	ND (<50)	ND (<50)	ND (<50)	**1,500**	ND (<50)	ND (<50)
	6/14/2005	**56**	**74**	ND (<20)	ND (<20)	ND (<20)	ND (<20)	**1,800**	ND (<20)	ND (<20)
	12/2/2005	**59**	**53**	ND (<50)	ND (<50)	ND (<50)	ND (<50)	**1,400**	ND (<50)	ND (<50)
WVGPS		5	5	N/A	N/A	5	1,000	N/A	700	10,000
VRP DMV		5	5	2,000	0.067	5	1,000	100	700	10,000

Table 4

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER - VOCs
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

Unless otherwise noted, all units are in micrograms per liter (ug/l)

Location	Sample Date	Vinyl chloride	Acetone	1,1-Dichloroethene	1,2-Dichloroethene	1,2-Dichloroethane	MEK	1,2-Dichloropropane	Trichloroethene
MW-107	9/26/2000	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/21/2000	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	6/25/2001	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/13/2001	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	5/31/2002	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/23/2002	ND (<5)	20	ND (<5)	12	ND (<5)	ND (<10)	ND (<5)	**31**
	5/30/2003	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	11/11/2003	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	6/29/2004	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	11/22/2004	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	6/14/2005	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/2/2005	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
WVGPS		2	N/A	7	70	5	N/A	5	5
VRP DMV		2	22,000	7	70	5	7,100	5	5

Location	Sample Date	1,1,2-Trichloroethane	Benzene	MIBK	1,1,2,2-Tetrachlorethane	Tetrachloroethene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes
MW-107	9/26/2000	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	32	ND(<5)	ND(<10)
	12/21/2000	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	13	ND(<5)	ND(<10)
	6/25/2001	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	72	ND(<5)	ND(<10)
	12/13/2001	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	5/31/2002	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	12/23/2002	ND (<5)	**7**	ND (<10)	ND (<5)	ND (<5)	ND (<5)	**120**	ND (<5)	ND (<10)
	5/30/2003	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	11/11/2003	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	6/29/2004	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	11/22/2004	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	6/14/2005	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	12/2/2005	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
WVGPS		5	5	N/A	N/A	5	1,000	N/A	700	10,000
VRP DMV		5	5	2,000	0.067	5	1,000	100	700	10,000

Table 4

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER - VOCs
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

Unless otherwise noted, all units are in micrograms per liter (ug/l)

Location	Sample Date	Vinyl chloride	Acetone	1,1-Dichloroethene	1,2-Dichloroethene	1,2-Dichloroethane	MEK	1,2-Dichloropropane	Trichloroethene
MW-108	9/26/2000	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/21/2000	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	6/25/2001	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/13/2001	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	5/30/2002	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/23/2002	ND (<5)	20	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	5/30/2003	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	11/11/2003	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	6/29/2004	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	11/22/2004	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	6/14/2005	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/2/2005	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
WVGPS		2	N/A	7	70	5	N/A	5	5
VRP DMV		2	22,000	7	70	5	7,100	5	5

Location	Sample Date	1,1,2-Trichloroethane	Benzene	MIBK	1,1,2,2-Tetrachlorethane	Tetrachloroethene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes
MW-108	9/26/2000	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	82	ND(<5)	ND(<10)
	12/21/2000	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	82	5.9	ND(<10)
	6/25/2001	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	**810**	33	ND(<10)
	12/13/2001	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	5/30/2002	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	12/23/2002	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	5/30/2003	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	11/11/2003	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	6/29/2004	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	11/22/2004	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	6/14/2005	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	12/2/2005	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
WVGPS		5	5	N/A	N/A	5	1,000	N/A	700	10,000
VRP DMV		5	5	2,000	0.067	5	1,000	100	700	10,000

Table 4

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER - VOCs
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

Unless otherwise noted, all units are in micrograms per liter (ug/l)

Location	Sample Date	Vinyl chloride	Acetone	1,1-Dichloroethene	1,2-Dichloroethene	1,2-Dichloroethane	MEK	1,2-Dichloropropane	Trichloroethene
MW-109	9/26/2000	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/21/2000	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	6/25/2001	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/13/2001	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	5/30/2002	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/23/2002	ND (<5)	12	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	5/30/2003	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	11/11/2003	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	6/29/2004	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	11/22/2004	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	6/14/2005	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/2/2005	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
WVGPS		2	N/A	7	70	5	N/A	5	5
VRP DMV		2	22,000	7	70	5	7,100	5	5

Location	Sample Date	1,1,2-Trichloroethane	Benzene	MIBK	1,1,2,2-Tetrachlorethane	Tetrachloroethene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes
MW-109	9/26/2000	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	**200**	8.8	ND(<10)
	12/21/2000	ND(<25)	ND(<25)	ND(<50)	ND(<25)	ND(<25)	ND(<25)	**210**	ND(<25)	ND (<50)
	6/25/2001	ND(<25)	ND(<25)	ND(<50)	ND(<25)	ND(<25)	ND(<25)	**310**	ND(<25)	ND (<50)
	12/13/2001	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	5/30/2002	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	12/23/2002	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	5/30/2003	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	11/11/2003	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	6/29/2004	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	11/22/2004	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	6/14/2005	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	12/2/2005	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
WVGPS		5	5	N/A	N/A	5	1,000	N/A	700	10,000
VRP DMV		5	5	2,000	0.067	5	1,000	100	700	10,000

Table 4

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER - VOCs
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

Unless otherwise noted, all units are in micrograms per liter (ug/l)

Location	Sample Date	Vinyl chloride	Acetone	1,1-Dichloroethene	1,2-Dichloroethene	1,2-Dichloroethane	MEK	1,2-Dichloropropane	Trichloroethene
MW-110	9/26/2000	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/21/2000	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	6/25/2001	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/13/2001	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	5/31/2002	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/23/2002	ND (<5)	23	ND (<5)	ND (<5)	ND (<5)	ND (<10)	ND (<5)	ND (<5)
	5/30/2003	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	11/11/2003	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	6/29/2004	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	11/22/2004	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	6/14/2005	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
	12/2/2005	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)
WVGPS		2	N/A	7	70	5	N/A	5	5
VRP DMV		2	22,000	7	70	5	7,100	5	5

Location	Sample Date	1,1,2-Trichloroethane	Benzene	MIBK	1,1,2,2-Tetrachlorethane	Tetrachloroethene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes
MW-110	9/26/2000	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	80	ND(<5)	ND(<10)
	12/21/2000	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	36	ND(<5)	ND(<10)
	6/25/2001	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	**240**	9.9	ND(<10)
	12/13/2001	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	5/31/2002	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	12/23/2002	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	5/30/2003	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	11/11/2003	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	6/29/2004	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	11/22/2004	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	6/14/2005	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
	12/2/2005	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<10)
WVGPS		5	5	N/A	N/A	5	1,000	N/A	700	10,000
VRP DMV		5	5	2,000	0.067	5	1,000	100	700	10,000

Table 5

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER - SEMI-VOCs
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

Unless otherwise noted, all units are in micrograms per liter (ug/l)

Location	Sample Date	Aniline	4-Chloroaniline	2-Chlorophenol	3&4 Methylphenol (m&p-Cresol)	2-Methylphenol (o-Cresol)	1,4-Dichlorobenzene	1,2-Dichlorobenzene	Bis(2-chloroisopropyl) ether	2,4-Dimethylphenol	Naphthalene	Bis(2-ethylhexyl) phthalate
MW-101	9/5/1999	NA	NA	ND (<10)	NA	NA	ND (<10)	ND (<10)	ND (<10)	NA	ND (<10)	ND (<10)
	10/18/1999	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/27/1999	NA	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	3/28/2000	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<5)
	6/29/2000	NA	ND(<10)	ND(<5)	ND(<20)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)
	9/26/2000	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/21/2000	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	6/25/2001	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/13/2001	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	5/31/2002	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/23/2002	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	5/30/2003	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	11/11/2003	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	6/29/2004	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	11/22/2004	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<5)
	6/14/2005	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<5)
	12/2/2005	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
MW-102	9/5/1999	NA	NA	ND (<10)	NA	NA	ND (<10)	ND (<10)	**48**	NA	ND (<10)	**18**
	10/19/1999	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/27/1999	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	3/28/2000	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<5)
	6/29/2000	NA	ND(<10)	ND(<10)	ND(<20)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)
	9/26/2000	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/21/2000	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	6/25/2001	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/13/2001	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	5/31/2002	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/23/2002	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	5/30/2003	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	11/11/2003	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	6/29/2004	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	11/22/2004	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<5)
	6/14/2005	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<5)
	12/2/2005	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
WVGPS		N/A	N/A	N/A	N/A	N/A	75	600	N/A	N/A	N/A	6
VRP DMV		12	0.34	30	180	1800	75	600	0.32	730	0.14	6

Note: Only the detected compounds for the analysis have been reported
N/A: No standard was given in Appendix A for the specific compound
NA: Compound was not analyzed during the sampling event

Table 5

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER - SEMI-VOCs
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

Unless otherwise noted, all units are in micrograms per liter (ug/l)

Location	Sample Date	Aniline	4-Chloroaniline	2-Chlorophenol	3&4 Methylphenol (m&p-Cresol)	2-Methylphenol (o-Cresol)	1,4-Dichlorobenzene	1,2-Dichlorobenzene	Bis(2-chloroisopropyl) ether	2,4-Dimethylphenol	Naphthalene	Bis(2-ethylhexyl) phthalate
MW-103	9/5/1999	NA	NA	ND (<10)	NA	NA	ND (<10)	ND (<10)	ND (<10)	NA	ND (<10)	ND (<10)
	10/19/1999	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/27/1999	NA	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	3/28/2000	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<5)
	6/29/2000	NA	ND(<10)	ND(<10)	ND(<20)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)
	9/26/2000	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/21/2000	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	6/25/2001	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/13/2001	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	5/31/2002	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/23/2002	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	5/30/2003	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	11/11/2003	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	6/29/2004	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	11/22/2004	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<5)
	6/14/2005	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/2/2005	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
MW-104	9/5/1999	NA	NA	**49**	NA	NA	28	120	**39**	NA	**33**	**19**
	10/18/1999	**370**	**34**	**33**	ND (<10)	10	74	510	**12**	18	**88**	ND (<10)
	12/27/1999	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	**88**	370	**110**	ND (<10)	**100**	ND (<10)
	3/28/2000	NA	ND (<10)	17	ND (<20)	ND (<10)	61	260	**140**	31	**63**	ND (<5)
	6/29/2000	NA	ND(<10)	14	52	49	34	140	**37**	26	**45**	ND(<10)
	9/26/2000	NA	ND(<10)	**46**	90	18	**93**	370	**64**	49	**100**	ND(<10)
	12/21/2000	NA	ND(<10)	23	86	**17**	65	280	**140**	52	**69**	ND(<10)
	6/25/2001	NA	ND (<10)	**38**	60	15	**88**	290	**140**	89	**69**	ND (<10)
	12/13/2001	NA	ND (<10)	14	ND (<20)	ND (<10)	61	210	ND (<10)	**17**	**56**	ND (<10)
	5/30/2002	NA	ND (<10)	14	ND (<20)	ND (<10)	71	230	**79**	21	**64**	ND (<10)
	12/23/2002	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	61	170	**50**	11	**50**	ND (<10)
	5/30/2003	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	12	29	**12**	ND (<10)	ND (<10)	ND (<10)
	11/11/2003	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	15	40	**21**	ND (<10)	**16**	ND (<10)
	6/29/2004	NA	ND (<10)	14	ND (<20)	ND (<10)	36	110	ND (<10)	ND (<10)	**24**	ND (<10)
	11/22/2004	NA	ND (<10)	13	ND (<20)	ND (<10)	65	210	**10**	ND (<10)	**47**	ND (<5)
	6/14/2005	NA	ND (<10)	15	ND (<20)	ND (<10)	62	190	ND (<10)	ND (<10)	**33**	ND (<10)
	12/2/2005	NA	ND (<10)	10	ND (<20)	ND (<10)	30	100	ND (<10)	ND (<10)	**21**	ND (<10)
WVGPS		N/A	N/A	N/A	N/A	N/A	75	600	N/A	N/A	N/A	6
VRP DMV		12	0.34	30	180	1800	75	600	0.32	730	0.14	6

Note: Only the detected compounds for the analysis have been reported
N/A: No standard was given in Appendix A for the specific compound
NA: Compound was not analyzed during the sampling event

Table 5

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER - SEMI-VOCs
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

Unless otherwise noted, all units are in micrograms per liter (ug/l)

Location	Sample Date	Aniline	4-Chloroaniline	2-Chlorophenol	3&4 Methylphenol (m&p-Cresol)	2-Methylphenol (o-Cresol)	1,4-Dichlorobenzene	1,2-Dichlorobenzene	Bis(2-chloroisopropyl) ether	2,4-Dimethylphenol	Naphthalene	Bis(2-ethylhexyl) phthalate
MW-105	9/5/1999	NA	NA	ND (<10)	NA	NA	ND (<10)	ND (<10)	ND (<10)	NA	ND (<10)	ND (<10)
	10/18/1999	ND (<10)	ND (<20)	ND (<10)	18	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/27/1999	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	3/28/2000	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<5)
	6/29/2000	NA	ND(<10)	ND(<10)	ND(<20)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)
	9/26/2000	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	10	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/21/2000	NA	ND(<10)	ND(<10)	ND(<20)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)
	6/25/2001	NA	ND(<10)	ND(<10)	ND(<20)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)
	12/13/2001	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	5/30/2002	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/23/2002	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	5/30/2003	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	11/11/2003	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	6/29/2004	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	11/22/2004	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<5)
	6/14/2005	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/2/2005	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
MW-106	9/5/1999	NA	NA	ND (<10)	NA	NA	ND (<10)	ND (<10)	ND (<10)	NA	ND (<10)	ND (<10)
	10/18/1999	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/27/1999	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	**32**	ND (<10)	ND (<10)	ND (<10)
	3/28/2000	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	11	**39**	ND (<10)	ND (<10)	ND (<5)
	6/29/2000	NA	ND(<10)	11	ND(<20)	ND(<10)	ND(<10)	ND(<10)	**15**	ND(<10)	ND(<10)	ND(<10)
	9/26/2000	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	**15**	ND (<10)	ND (<10)	ND (<10)
	12/21/2000	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	13	**39**	ND (<10)	ND (<10)	ND (<10)
	6/25/2001	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	17	**42**	ND (<10)	ND (<10)	ND (<10)
	12/13/2001	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	5/30/2002	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	**15**	ND (<10)	ND (<10)	ND (<10)
	12/23/2002	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	**13**	ND (<10)	ND (<10)	ND (<10)
	5/30/2003	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	11/11/2003	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	6/29/2004	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	17	ND (<10)	12	ND (<10)	ND (<10)
	11/22/2004	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	**20**	ND (<10)	ND (<10)	ND (<5)
	6/14/2005	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	15	**29**	ND (<10)	ND (<10)	ND (<10)
	6/14/2005	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	14	**24**	ND (<10)	ND (<10)	ND (<10)
WVGPS		N/A	N/A	N/A	N/A	N/A	75	600	N/A	N/A	N/A	6
VRP DMV		12	0.34	30	180	1800	75	600	0.32	730	0.14	6

Note: Only the detected compounds for the analysis have been reported
N/A: No standard was given in Appendix A for the specific compound
NA: Compound was not analyzed during the sampling event

Table 5

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER - SEMI-VOCs
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

Unless otherwise noted, all units are in micrograms per liter (ug/l)

Location	Sample Date	Aniline	4-Chloroaniline	2-Chlorophenol	3&4 Methylphenol (m&p-Cresol)	2-Methylphenol (o-Cresol)	1,4-Dichlorobenzene	1,2-Dichlorobenzene	Bis(2-chloroisopropyl) ether	2,4-Dimethylphenol	Naphthalene	Bis(2-ethylhexyl) phthalate
MW-107	9/26/2000	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/21/2000	NA	ND(<10)	ND(<10)	ND(<20)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)
	6/25/2001	NA	ND(<10)	ND(<10)	ND(<20)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)
	12/13/2001	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	5/31/2002	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/23/2002	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	5/30/2003	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	11/11/2003	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	6/29/2004	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	11/22/2004	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<5)
	6/14/2005	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/2/2005	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
MW-108	9/26/2000	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/21/2000	NA	ND(<10)	ND(<10)	ND(<20)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)
	6/25/2001	NA	ND(<10)	ND(<10)	ND(<20)	ND(<10)	ND(<10)	14	ND(<10)	ND(<10)	ND(<10)	ND(<10)
	12/13/2001	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	5/30/2002	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/23/2002	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	5/30/2003	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	11/11/2003	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	6/29/2004	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	11/22/2004	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<5)
	6/14/2005	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/2/2005	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
WVGPS		N/A	N/A	N/A	N/A	N/A	75	600	N/A	N/A	N/A	6
VRP DMV		12	0.34	30	180	1800	75	600	0.32	730	0.14	6

Note: Only the detected compounds for the analysis have been reported
N/A: No standard was given in Appendix A for the specific compound
NA: Compound was not analyzed during the sampling event

Table 5

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER - SEMI-VOCs
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

Unless otherwise noted, all units are in micrograms per liter (ug/l)

Location	Sample Date	Aniline	4-Chloroaniline	2-Chlorophenol	3&4 Methylphenol (m&p-Cresol)	2-Methylphenol (o-Cresol)	1,4-Dichlorobenzene	1,2-Dichlorobenzene	Bis(2-chloroisopropyl) ether	2,4-Dimethylphenol	Naphthalene	Bis(2-ethylhexyl) phthalate
MW-109	9/26/2000	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/21/2000	NA	ND(<10)	ND(<10)	ND(<20)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)
	6/25/2001	NA	ND(<10)	ND(<10)	ND(<20)	ND(<10)	ND(<10)	16	ND(<10)	ND(<10)	ND(<10)	ND(<10)
	12/13/2001	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	5/30/2002	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/23/2002	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	5/30/2003	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	11/11/2003	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	6/29/2004	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	11/22/2004	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<5)
	6/14/2005	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/2/2005	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
MW-110	9/26/2000	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/21/2000	NA	ND(<10)	ND(<10)	ND(<20)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)
	6/25/2001	NA	ND(<10)	ND(<10)	ND(<20)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)
	12/13/2001	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	5/31/2002	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/23/2002	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	5/30/2003	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	11/11/2003	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	6/29/2004	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	11/22/2004	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<5)
	6/14/2005	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
	12/2/2005	NA	ND (<10)	ND (<10)	ND (<20)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
WVGPS		N/A	N/A	N/A	N/A	N/A	75	600	N/A	N/A	N/A	6
VRP DMV		12	0.34	30	180	1800	75	600	0.32	730	0.14	6

Note: Only the detected compounds for the analysis have been reported
N/A: No standard was given in Appendix A for the specific compound
NA: Compound was not analyzed during the sampling event

TABLE 6

SUMMARY OF PESTICIDES, HERBICIDES, DIOXINS, AND FURANS
GROUNDWATER SAMPLES COLLECTED OCTOBER 18-19, 1999
Quality Distribution Facility- Institute, WV
Monitoring Well Groundwater Analytical Data
Permit Number: WVR000001719

Unless otherwise noted, all units are in micrograms per liter (ug/l)

Location	Pesticides and Herbicides	Dioxins/Furans				
	beta-BHC	1,2,3,4,6,7,8,9-OCDD	TEQ (TEF=0.0003)	1,2,3,4,6,7,8,9-OCDF	TEQ (TEF=0.0003)	Sum of TEQs
MW-101	ND (<0.30)	ND (<0.000020)	0.0000000060	ND (<0.000017)	0.0000000051	0.0000000111
MW-102	ND (<0.30)	0.000834	0.0000002502	ND (<0.000034)	0.0000000102	0.0000002604
MW-103	ND (<0.30)	0.000595	0.0000001785	ND (<0.000012)	0.0000000036	0.0000001821
MW-104	ND (<0.30)	0.000284	0.0000000852	ND (<0.000018)	0.0000000054	0.0000000906
MW-105	ND (<0.30)	0.000093	0.0000000279	ND (<0.000030)	0.0000000090	0.0000000369
MW-106	0.65	0.000115	0.0000000345	0.000014	0.0000000042	0.0000000387
WVGPS	N/A	N/A		N/A		NA
VRP DMV	0.037	N/A	0.00003	N/A	0.00003	0.00003

N/A: There is no established WVGPS or VRP DMV.
Note: Only the detected compounds for the analysis have been reported

TABLE 7
PRELIMINARY SITE CONCEPTUAL MODEL
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

SURFACE SOIL

COI GROUP	POTENTIAL TRANSPORT/EXPOSURE PATHWAY	POTENTIAL RECEPTOR	FURTHER EVALUATION		COMMENTS
			YES	NO	
Metals	Particulate emissions (wind)	Site worker/visitor	X		
	Stormwater runoff	Ecological		X	Exposed soil areas virtually flat, low erosion potential
	Leaching to groundwater	GW users/ecological		X	COI already present in GW
	Direct contact	Site worker/visitor	X		
VOCs	Particulate emissions (wind)	Site worker/visitor	X		
	Stormwater runoff	Ecological		X	VOCs not persistent in runoff, low erosion potential
	Leaching to groundwater	GW users/ecological		X	COI already present in GW
	Direct contact	Site worker/visitor	X		
	Volatilization to outdoor air	Site worker/visitor	X		
	Volatilization to indoor air	Indoor worker/visitor	X		Hypothetical future building
SVOCs	Particulate emissions (wind)	Site worker/visitor	X		
	Stormwater runoff	Ecological		X	Exposed soil areas virtually flat, low erosion potential
	Leaching to groundwater	GW users/ecological		X	COI already present in GW
	Direct contact	Site worker/visitor	X		

SUB-SURFACE SOIL

COI GROUP	POTENTIAL TRANSPORT/EXPOSURE PATHWAY	POTENTIAL RECEPTOR	FURTHER EVALUATION		COMMENTS
			YES	NO	
Metals	Leaching to groundwater	GW users/ecological		X	COI already present in GW
	Direct contact	Excavation worker	X		
VOCs	Leaching to groundwater	GW users/ecological		X	COI already present in GW
	Direct contact	Excavation worker	X		
	Volatilization to outdoor air	Excavation worker	X		
	Volatilization to indoor air	Indoor worker/visitor	X		Hypothetical future building
SVOCs	Leaching to groundwater	GW users/ecological		X	COI already present in GW
	Direct contact	Excavation worker	X		

TABLE 7
(Continued)
PRELIMINARY SITE CONCEPTUAL MODEL
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

GROUNDWATER

COI GROUP	POTENTIAL TRANSPORT/EXPOSURE PATHWAY	POTENTIAL RECEPTOR	FURTHER EVALUATION		COMMENTS
			YES	NO	
Metals	Migration of dissolved concentrations	Off-site human/ecological	X		Collect updated GW data
	Direct contact (potable & non-potable uses)	GW users		X	No potable use in vicinity of Site
VOCs	Migration of dissolved concentrations	Off-site human/ecological	X		Collect updated GW data
	Direct contact (potable & non-potable uses)	GW users		X	No potable use in vicinity of Site
	Direct contact (incidental)	Excavation worker	X		
	Volatilization to outdoor air	Site worker/visitor		X	Negligible per previous modeling
	Volatilization to outdoor air	Excavation worker	X		
	Volatilization to indoor air	Indoor worker/visitor	X		Hypothetical future building
SVOCs	Migration of dissolved concentrations	Off-site human/ecological	X		Collect updated GW data
	Direct contact (potable & non-potable uses)	GW users		X	No potable use in vicinity of Site
	Direct contact (incidental)	Excavation worker	X		

TABLE 8
SUMMARY OF LABORATORY ANALYSES TO BE PERFORMED
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

SOIL

AREA	SAMPLE LOCATIONS	SAMPLES PER LOCATION	SUBTOTAL	FIELD DUPLICATES	TOTAL SAMPLES	METALS[1]	VOC	SVOC W/PAH	PESTICIDES/ HERBICIDES	PCBs	DIOXINS/ FURANS
Fromer Drum Burial Area	10	3	30	3	33	X	X	X	X[4]	X[4]	X[4]
Treated Soil Stockpile	9	2	18	2	20	X	X	X	X[4]	X[4]	X[4]
Polymer Spill Area	2	2	4	1	5		X	X			
Waste Water Plant	3	2	6	1	7	X	X	X			
AOC-1: Disposal Pit Area	2	3	6	1	7	X	X	X	X[5]	X[5]	X[5]
SOIL TOTALS	**24**	**9**	**58**	**7**	**65**	**60**	**65**	**65**	**8**	**8**	**8**

	TOTAL WELLS	FIELD DUPLICATES	TRIP BLANKS	EQUIP. BLANKS	TOTAL SAMPLES	METALS[2]	VOC	SVOC NO PAH	PESTICIDES/ HERBICIDES	PCBs	DIOXINS/ FURANS
GROUNDWATER[3]	16	2	1	1	20	X	X	X	X[6]	X[6]	X[6]

1 - Metals = As, Ba, Cd, Cr, Pb, Hg, Se, Ag, V
2 - Metals (Total & Dissolved) = As, Ba, Pb, Fe, Mn, V
3 - Sample count is for one sampling event.
Groundwater will be sampled twice, approximately 30 days apart.
4 - 10% of soil samples to be analyzed.
5 - One soil sample from each boring location to be analyzed.
6 - First sampling event only if results below DMV/RBSL

TABLE 9

SUMMARY OF ANALYSES TO BE PERFORMED
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

SOIL						
		METHOD	VRP DMV		USEPA RBSL	
VOCS (ug/kg)	REPORTING	DETECTION	INDUSTRIAL	MIGRATION TO	INDUSTRIAL	SOIL TO
PARAMETER	LIMIT	LIMIT	SOIL	GROUNDWATER[1]	SOIL[2]	GROUNDWATER[3]
Acetone	20	5	200,000,000	89,000	630,000,000	2,400
Benzene	5	0.6751	58,000	51	5,400	2.6
Bromodichloromethane	5	0.5613	14,000	0.64	1,400	22
Bromoform	5	0.4424	3,100,000	45	220,000	21
Bromomethane	5	0.7387	33,000	44	32,000	1.8
2-Butanone (MEK)	5	0.8816	47,000,000	30,000	200,000,000	1,000
Carbon Disulfide	5	0.5121	640,000	6,100	3,700,000	210
Carbon tetrachloride	5	0.4464	32,000	39	3,000	1.9
Chlorobenzene	5	0.7574	340,000	1,400	1,400,000	68
Chloroethane	5	1.5489	1,900,000	120,000	---	---
Chloroform	5	0.5849	15,000	1.1	1,500	22
Chloromethane	5	0.8517	510,000	980	500,000	49
Dibromochloromethane	5	0.7097	290,000	4.3	3,300	21
1,1-Dichloroethane	5	0.5763	170,000	14	17,000	0.68
1,2-Dichloroethane	5	0.6133	23,000	28	2,200	1.4
1,1-Dichloroethene	5	0.8484	860,000	50	1,100,000	2.5
1,2-Dichloropropane	5	0.5431	47,000	33	4,700	1.7
cis-1,3-Dichloropropene	5	0.6779	96,000	3.1	20,000,000	99
trans-1,3-Dichloropropene	5	0.5977	96,000	3.1	20,000,000	99
Ethylbenzene	5	0.6427	190,000	16,000	27,000	780
2-Hexanone	5	0.6904	---	---	1,400,000	7.9
Methylene Chloride	5	0.6723	580,000	25	960,000	1.3
4-Methyl-2-pentanone (MIBK)	5	0.6525	430,000	9,500	53,000,000	230
Styrene	5	0.7053	340,000	2,200	36,000,000	110
1,1,2,2-Tetrachloroethane	5	0.7184	99,000	4.0	2,800	0.026
Tetrachloroethene	5	0.6804	36,000	45	110,000	2.3
1,1,1-Trichloroethane	5	0.4864	450,000	1,400	38,000,000	70
1,1,2-Trichloroethane	5	0.8312	57,000	32	5,300	1.6
Trichloroethene	5	0.6576	21,000	36	6,400	1.8
Vinyl Chloride	5	0.4694	21,000	14	1,700	0.69
Xylenes, total	15	2.2405	100,000	200,000	2,700,000	9,800
Cyclohexane	5	0.3712	56,000	250,000	29,000,000	13,000
1,2-Dibromo-3-Chloropropane	5	0.7486	71,000	1.7	69	0.086
1,2-Dibromoethane (EDB)	5	0.8629	1,800	0.28	170	0.014
Dichlorodifluoromethane	5	0.6657	420,000	12,000	400,000	300
cis-1,2-Dichloroethene	5	0.7033	83,000	410	2,000,000	21
trans-1,2-Dichloroethene	5	0.5959	710,000	590	690,000	29
Isopropylbenzene	5	0.6787	---	---	---	---
Methyl Acetate	5	0.9013	50,000,000	25,000	1,000,000,000	3,200
Methylcyclohexane	5	0.7252	31,000	270,000	---	---
Methy ter-butyl ether	5	0.7477	2,400,000	56	220,000	2.8
Trichlorofluoromethane	5	0.9187	700,000	16,000	3,400,000	690
1,1,2-Trichloro-1,2,2-trifluoroethane	5	1.0676	420,000	2,900,000	180,000,000	130,000
1,2-Dichlorobenzene	5	0.7975	150,000	12,000	9,800,000	580
1,3-Dichlorobenzene	5	0.6561	120,000	12,000	---	---
1,4-Dichlorobenzene	5	0.6369	140,000	1,400	12,000	
1,2,4-Trichlorobenzene	5	0.8819	290,000	4,100	99,000	200
Toluene	5	0.7296	360,000	14,000	45,000,000	690
Naphthalene	5	1.0067	180,000	9.4	18,000	0.47

All values in ug/kg.
--- Not available.

1 - Based on residential use of groundwater
2 - Lower of carcinogenic v. non-carcinogenic values
3 - MCL-based where available, otherwise risk-based value.

TABLE 9

SUMMARY OF ANALYSES TO BE PERFORMED
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

SOIL						
		METHOD	VRP DMV		USEPA RBSL	
SVOCS (ug/kg)	REPORTING	DETECTION	INDUSTRIAL	MIGRATION TO	INDUSTRIAL	SOIL TO
PARAMETER	LIMIT	LIMIT	SOIL	GROUNDWATER[1]	SOIL[2]	GROUNDWATER[3]
Acenaphthene	67	6.408	66,000,000	75,000	33,000,000	4,100
Acetophenone	330	27.4226	200,000,000	22,000	100,000,000	450
Acenaphthylene	67	7.6411	75,000,000	75,000	---	---
Anthracene	67	6.5273	6,100,000,000	7,200,000	170,000,000	42,000
Benzo(a)anthracene	67	8.3601	29,000	210	2,100	10
Benzo(a)pyrene	67	6.6751	2,900	4,700	210	240
Benzo(b)fluoranthene	67	10.4879	29,000	710	2,100	35
Benzo(g,h,i)perylene	67	6.6372	23,000,000	85,000,000	---	---
Benzo(k)fluoranthene	67	13.486	290,000	6,900	21,000	350
Bis(2-chloroethyl)ether	67	8.9539	13,000	0.063	1,000	0.0031
Bis(2-chloroethoxy)methane	330	21.9587	---	---	1,800,000	11
2,2'-oxybis(1-chloropropane)	67	7.2005	---	---	---	---
Bis(2-ethylhexyl)phthalate	670	53.9059	1,800,000	29,000	120,000	1,400
4-Bromophenyl phenyl ether	330	29.0264	---	---	---	---
Butyl benzyl phthalate	330	45.5895	13,000,000	10,000	---	---
Carbazole	67	6.1479	1,200,000	1,200	---	---
4-Chloroaniline	330	26.7006	120,000	2.9	8,600	0.13
2-Chloronaphthalene	67	6.9624	65,000,000	50,000	82,000,000	2,900
4-Chlorophenyl phenyl ether	330	37.0775	---	---	---	---
Chrysene	67	7.9429	2,900,000	21,000	210,000	1,100
Dibenz(a,h)anthracene	67	7.4207	2,900	230	210	11
Dibenzofuran	330	32.8197	2,000,000	14,000	---	---
Di-n-butyl phthalate	330	41.7986	88,000,000	180,000	---	---
3,3'-Dichlorobenzidine	330	35.2655	55,000	20	3,800	0.71
Diethyl phthalate	330	36.4307	700,000,000	240,000	490,000,000	4,700
Dimethyl phthalate	330	36.3471	1,000,000,000	1,900,000	---	---
2,4-Dinitrotoluene	330	26.9271	80,000	5.9	5,500	0.28
2,6-Dinitrotoluene	330	34.416	890,000	1,000	620,000	20
Di-n-octylphthalate	330	35.1509	---	---	---	---
Fluoranthene	67	7.1338	30,000,000	3,200,000	22,000,000	70,000
Fluorene	67	8.7933	57,000,000	90,000	22,000,000	4,000
Hexachlorobenzene	67	7.1068	15,000	250	1,100	13
Hexachlorobutadiene	67	7.4653	320,000	33	22,000	0.5
Hexachlorocyclopentadiene	330	35.9725	5,300,000	3,100	3,700,000	160
Hexachloroethane	330	23.9855	620,000	20	43,000	0.48
Indeno(1,2,3-cd)pyrene	67	6.8738	29,000	2,300	2,100	120
Isophorone	330	25.1448	26,000,000	470	1,800,000	22
2-Methylnaphthalene	67	5.999	---	---	---	---
Naphthalene	67	5.7499	180,000	9.4	18,000	0.47
2-Nitroaniline	1700	149.3953	8,500,000	3,100	6,000,000	62
3-Nitroaniline	1700	137.382	---	---	---	---
4-Nitroaniline	1700	135.0729	---	---	86,000	1.4
Nitrobenzene	670	27.7716	250,000	1.6	24,000	0.079
N-Nitrosodi-n-propylamine	67	7.8241	3,500	0.14	250	0.007
N-Nitrosodiphenylamine	330	30.8804	5,000,000	1,500	350,000	57

All values in ug/kg.

--- Not available.

1 - Based on residential use of groundwater

2 - Lower of carcinogenic v. non-carcinogenic values

3 - MCL-based where available, otherwise risk-based value.

TABLE 9

SUMMARY OF ANALYSES TO BE PERFORMED
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

SOIL						
		METHOD	VRP DMV		USEPA RBSL	
SVOCS (ug/kg)(continued)	REPORTING	DETECTION	INDUSTRIAL	MIGRATION TO	INDUSTRIAL	SOIL TO
PARAMETER	LIMIT	LIMIT	SOIL	GROUNDWATER[1]	SOIL[2]	GROUNDWATER[3]
Phenanthrene	67	10.6124	610,000,000	7,400,000	---	---
Pyrene	67	6.7459	58,000,000	400,000	17,000,000	9,500
4-Chloro-3-methylphenol	330	30.7069	---	---	---	---
2-Chlorophenol	330	27.2752	5,200,000	500	5,100,000	57
2-Methylphenol	330	23.3102	44,000,000	30,000	---	---
3-Methylphenol	330	32.6515	44,000,000	29,000	---	---
4-Methylphenol	330	32.6515	4,400,000	2,900	---	---
2,4-Dichlorophenol	67	6.6926	2,600,000	2,600	1,800,000	41
2,4-Dimethylphenol	330	52.1706	18,000,000	17,000	12,000,000	320
2,4-Dinitrophenol	1700	397.17	1,800,000	1,600	1,200,000	34
4,6-Dinitro-2-methylphenol	1700	134.0683	---	---	---	---
2-Nitrophenol	330	36.772	---	---	---	---
4-Nitrophenol	1700	121.661	7,000,000	4,600	---	---
Pentachlorophenol	330	29.8317	33,000	200	2,700	10
Phenol	67	7.8828	260,000,000	130,000	180,000,000	2,600
2,4,5-Trichlorophenol	330	35.6042	8,800,000	270,000	62,000,000	3,300
2,4,6-Trichlorophenol	330	49.9407	2,200,000	460	160,000	13
1,1'-Biphenyl	330	29.764	50,000,000	64,000	210,000	8.7
Caprolactam	1700	251.826	440,000,000	91,000	310,000,000	1,900
Benzaldehyde	330	50	1,500,000	2,700	100,000,000	330
Atrazine	330	32.4852	110,000	39	7,500	1.9

All values in ug/kg.

--- Not available.

1 - Based on residential use of groundwater

2 - Lower of carcinogenic v. non-carcinogenic values

3 - MCL-based where available, otherwise risk-based value.

TABLE 9

SUMMARY OF ANALYSES TO BE PERFORMED
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

SOIL						
		METHOD	VRP DMV		USEPA RBSL	
METALS (mg/kg)	REPORTING	DETECTION	INDUSTRIAL	MIGRATION TO	INDUSTRIAL	SOIL TO
PARAMETER	LIMIT	LIMIT	SOIL	GROUNDWATER[1]	SOIL[2]	GROUNDWATER[3]
Arsenic	1	0.223	27	5.8	1.6	0.29
Barium	20	0.05	360,000	1,600	190,000	82
Cadmium	0.5	0.024	800	7.5	800	0.38
Chromium	0.5	0.085	1,000,000	2,000,000,000	1,500,000	28,000,000
Lead	0.3	0.145	1,000	270	800	14
Mercury	0.333	0.0109	610	2.1	43	0.1
Selenium	0.5	0.207	10,000	5.2	5,100	0.26
Silver	0.5	0.058	10,000	31	5,100	0.6
Vanadium	5	0.186	140	51	5,200	78
PESTICIDES/HERBICIDES (ug/kg)						
4,4'-DDD	1.7	0.2182	100,000	1,300	7,200	66
4,4'-DDE	1.7	0.2518	73,000	930	5,100	46
4,4'-DDT	1.7	0.2492	120,000	1,300	7,000	67
Aldrin	1.7	0.2981	1,500	13	100	0.034
alpha-BHC	1.7	0.2712	3,900	11	270	0.036
alpha-Chlordane	1.7	0.3308	110,000	2,700	6,500	140
beta-BHC	1.7	0.4325	14,000	4.3	960	0.13
delta-BHC	1.7	0.2552	---	---	---	---
Dieldrin	1.7	0.2777	1,500	3.4	110	0.061
Endosulfan I	1.7	0.3134	5,300,000	600	3,700,000	1100
Endosulfan II	1.7	0.2944	5,300,000	600	3,700,000	1100
Endosulfan sulfate	1.7	0.1739	---	---	---	---
Endrin	1.7	0.3232	260,000	1,600	180,000	81
Endrin aldehyde	1.7	0.3237	---	---	---	---
Endrin ketone	1.7	0.2593	---	---	---	---
gamma-BHC (Lindane)	1.7	0.2928	34,000	23	2,100	1.2
gamma-Chlordane	1.7	0.3289	---	---	---	---
Heptachlor	1.7	0.3708	5,500	660	380	33
Heptachlor epoxide	1.7	0.3248	2,700	82	190	4.1
Methoxychlor	3.3	0.3476	4,400,000	43,000	3,100,000	2,200
Toxaphene	67	11.1273	22,000	9,300	1,600	460
2,4-D	80	5.4746	12,000,000	360	7,700,000	18
2,4,5-T	20	2.5092	8,800	3,000	6,200,000	52
Silvex(2,4,5-TP)	20	2.1016	7,000,000	550	4,900,000	28
PCBs (ug/kg)						
PCB-1016	16.667	2.47904	50,000	1,800	21,000	92
PCB-1221	16.667	3.18028	12,000	2.3	540	0.074
PCB-1232	16.667	2.85338	12,000	2.3	540	0.074
PCB-1242	16.667	2.7151	10,000	110	740	5.3
PCB-1248	16.667	1.57616	10,000	100	740	5.2
PCB-1254	16.667	2.37056	10,000	180	740	8.8
PCB-1260	16.667	2.36946	10,000	470	740	24

All values in ug/kg.

--- Not available.

1 - Based on residential use of groundwater

2 - Lower of carcinogenic v. non-carcinogenic values

3 - MCL-based where available, otherwise risk-based value.

TABLE 9

SUMMARY OF ANALYSES TO BE PERFORMED
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

SOIL						
		METHOD	VRP DMV		USEPA RBSL	
Dioxins/Furans (mg/kg)	REPORTING	DETECTION	INDUSTRIAL	MIGRATION TO	INDUSTRIAL	SOIL TO
PARAMETER	LIMIT	LIMIT	SOIL	GROUNDWATER[1]	SOIL[2]	GROUNDWATER[3]
2,3,7,8-TCDD	0.000001	(4)	0.00032[5]	0.0003[5]	0.000018[5]	0.000015[5]
1,2,3,7,8-PeCDD	0.000005	(4)	0.00032[5]	0.0003[5]	0.000018[5]	0.000015[5]
1,2,3,4,7,8-HxCDD	0.000005	(4)	0.00032[5]	0.0003[5]	0.000018[5]	0.000015[5]
1,2,3,6,7,8-HxCDD	0.000005	(4)	0.00032[5]	0.0003[5]	0.000018[5]	0.000015[5]
1,2,3,7,8,9-HxCDD	0.000005	(4)	0.00032[5]	0.0003[5]	0.000018[5]	0.000015[5]
1,2,3,4,6,7,8-HpCDD	0.000005	(4)	0.00032[5]	0.0003[5]	0.000018[5]	0.000015[5]
OCDD	0.00001	(4)	0.00032[5]	0.0003[5]	0.000018[5]	0.000015[5]
2,3,7,8-TCDF	0.000001	(4)	0.00032[5]	0.0003[5]	0.000018[5]	0.000015[5]
1,2,3,7,8-PeCDF	0.000005	(4)	0.00032[5]	0.0003[5]	0.000018[5]	0.000015[5]
2,3,4,7,8-PeCDF	0.000005	(4)	0.00032[5]	0.0003[5]	0.000018[5]	0.000015[5]
1,2,3,4,7,8-HxCDF	0.000005	(4)	0.00032[5]	0.0003[5]	0.000018[5]	0.000015[5]
1,2,3,6,7,8-HxCDF	0.000005	(4)	0.00032[5]	0.0003[5]	0.000018[5]	0.000015[5]
2,3,4,6,7,8-HxCDF	0.000005	(4)	0.00032[5]	0.0003[5]	0.000018[5]	0.000015[5]
1,2,3,7,8,9-HxCDF	0.000005	(4)	0.00032[5]	0.0003[5]	0.000018[5]	0.000015[5]
1,2,3,4,6,7,8-HpCDF	0.000005	(4)	0.00032[5]	0.0003[5]	0.000018[5]	0.000015[5]
1,2,3,4,7,8,9-HpCDF	0.000005	(4)	0.00032[5]	0.0003[5]	0.000018[5]	0.000015[5]
OCDF	0.00001	(4)	0.00032[5]	0.0003[5]	0.000018[5]	0.000015[5]

--- Not available.

1 - Based on residential use of groundwater

2 - Lower of carcinogenic v. non-carcinogenic values

3 - MCL-based where available, otherwise risk-based value.

4 - Per methodology standards, sample specific Estimated Detection Limits (EDLs) will be reported in lieu of MDLs.

5 - Based on total 2,3,7,8-TCDD toxicity equivalents.

TABLE 10

SUMMARY OF ANALYSES TO BE PERFORMED
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

GROUNDWATER				
VOCS (ug/L) PARAMETER	REPORTING LIMIT	METHOD DETECTION LIMIT	VRP DMV	USEPA RBSL
Acetone	5.0	2.5	22,000	12,000
Benzene	1.0	0.1053	5.0	5.0
Bromodichloromethane	1.0	0.1300	0.12	80
Bromoform	1.0	0.1913	8.5	80
Bromomethane	1.0	0.3129	8.7	7.0
2-Butanone (MEK)	5.0	0.5479	7,100	4,900
Carbon Disulfide	1.0	0.2120	1,000	720
Carbon tetrachloride	1.0	0.1366	5.0	5.0
Chlorobenzene	1.0	0.1351	100	100
Chloroethane	1.0	0.2145	21,000	---
Chloroform	1.0	0.1705	0.19	80
Dibromochloromethane	1.0	0.1366	0.8	80
1,1-Dichloroethane	1.0	0.1163	2.4	2.4
1,2-Dichloroethane	1.0	0.2118	5.0	5.0
1,1-Dichloroethene	1.0	0.2962	7.0	7.0
1,2-Dichloropropane	1.0	0.0948	5.0	5.0
cis-1,3-Dichloropropene	1.0	0.1868	0.43	0.41
trans-1,3-Dichloropropene	1.0	0.1480	0.43	0.41
Ethylbenzene	1.0	0.2271	700	700
2-Hexanone	5.0	0.1591	---	34
Methylene Chloride	1.0	0.1493	5.0	5.0
4-Methyl-2-pentanone (MIBK)	5.0	0.5282	2000	1,000
Styrene	1.0	0.0966	100	100
1,1,2,2-Tetrachloroethane	1.0	0.1999	0.067	0.066
Tetrachloroethene	1.0	0.1487	5.0	5.0
1,1,1-Trichloroethane	1.0	0.2860	200	200
1,1,2-Trichloroethane	1.0	0.2014	5.0	5.0
Trichloroethene	1.0	0.1430	5.0	5.0
Vinyl Chloride	1.0	0.2267	2.0	2.0
Xylenes, total	3.0	0.4879	10,000	10,000
Cyclohexane	1.0	0.2543	12,000	13,000
1,2-Dibromo-3-Chloropropane	1.0	0.1407	0.2	0.2
1,2-Dibromoethane (EDB)	1.0	0.1802	0.05	0.05
Dichlorodifluoromethane	1.0	0.1925	390	190
cis-1,2-Dichloroethene	1.0	0.2367	70	70
trans-1,2-Dichloroethene	1.0	0.1698	100	100
Isopropylbenzene	1.0	0.1638	---	390
Methyl Acetate	1.0	0.1378	6,100	16,000
Methylcyclohexane	1.0	0.2614	6,300	---
Methy ter-butyl ether	1.0	0.1830	12	12
Trichlorofluoromethane	1.0	0.1988	1,300	1,100
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	0.3198	59,000	53,000
1,2-Dichlorobenzene	1.0	0.1521	600	600
1,3-Dichlorobenzene	1.0	0.1051	600	---
1,4-Dichlorobenzene	1.0	0.2062	75	75
1,2,4-Trichlorobenzene	1.0	0.2710	70	70
Toluene	1.0	0.1504	1,000	1,000

--- Not available.

TABLE 10

SUMMARY OF ANALYSES TO BE PERFORMED
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

GROUNDWATER				
SVOCS (ug/L) PARAMETER	REPORTING LIMIT	METHOD DETECTION LIMIT	VRP DMV	USEPA RBSL
Acenaphthene	0.2	0.0144	370	400
Acetophenone	1.0	0.08	3,700	1,500
Acenaphthylene	0.2	0.0152	370	
Anthracene	0.2	0.1511	11,000	1,300
Benzo(a)anthracene	0.2	0.0147	0.029	0.029
Benzo(a)pyrene	0.2	0.0134	0.2	0.2
Benzo(b)fluoranthene	0.2	0.0157	0.029	0.029
Benzo(g,h,i)perylene	0.2	0.0151	1,100	
Benzo(k)fluoranthene	0.2	0.0547	0.29	0.29
Bis(2-chloroethyl)ether	0.2	0.0251	0.012	0.012
Bis(2-chloroethoxy)methane	1.0	0.0581	---	47
2,2'-oxybis(1-chloropropane)	0.2	0.0197	---	---
Bis(2-ethylhexyl)phthalate	2.0	1.2536	6.0	6
4-Bromophenyl phenyl ether	1.0	0.0635	---	---
Butyl benzyl phthalate	1.0	0.1423	3.5	14
Carbazole	0.2	0.0158	3.4	---
4-Chloroaniline	5.0	0.0885	0.34	0.32
2-Chloronaphthalene	0.2	0.0151	490	550
4-Chlorophenyl phenyl ether	1.0	0.0503	---	---
Chrysene	0.2	0.014	2.9	2.9
Dibenz(a,h)anthracene	0.2	0.0155	0.0029	0.0029
Dibenzofuran	1.0	0.0617	37	220
Di-n-butyl phthalate	1.0	0.1249	3,700	670
3,3'-Dichlorobenzidine	1.0	0.1121	0.15	0.11
Diethyl phthalate	1.0	0.146	29,000	11,000
Dimethyl phthalate	1.0	0.0765	---	---
2,4-Dinitrotoluene	1.0	0.0536	0.22	0.2
2,6-Dinitrotoluene	1.0	0.0797	37	15
Di-n-octylphthalate	1.0	0.2066	---	---
Fluoranthene	0.2	0.0162	1,500	630
Fluorene	0.2	0.0216	240	220
Hexachlorobenzene	0.2	0.0183	1.0	1
Hexachlorobutadiene	0.2	0.0166	0.86	0.26
Hexachlorocyclopentadiene	1.0	0.0516	50	50
Hexachloroethane	1.0	0.0628	1.7	0.79
Indeno(1,2,3-cd)pyrene	0.2	0.0199	0.29	0.029
Isophorone	1.0	0.0644	71	67
2-Methylnaphthalene	0.2	0.0122	---	---
Naphthalene	0.2	0.014	0.14	0.14
2-Nitroaniline	5.0	0.3517	370	150
3-Nitroaniline	5.0	0.3213	---	---
4-Nitroaniline	5.0	0.1724	---	3.3
Nitrobenzene	2.0	0.0843	0.12	0.12
N-Nitrosodi-n-propylamine	0.2	0.0308	0.0096	0.0093
N-Nitrosodiphenylamine	1.0	0.0853	14	10

--- Not available.

TABLE 10

SUMMARY OF ANALYSES TO BE PERFORMED
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

GROUNDWATER				
SVOCS (ug/L)(continued)	REPORTING	METHOD DETECTION		USEPA
PARAMETER	LIMIT	LIMIT	VRP DMV	RBSL
Phenanthrene	0.2	0.0427	11,000	---
Pyrene	0.2	0.0157	180	87
4-Chloro-3-methylphenol	1	0.0754	---	---
2-Chlorophenol	1	0.1652	30	71
2-Methylphenol	1	0.0862	1,800	---
3-Methylphenol	1	0.0902	1,800	---
4-Methylphenol	1	0.0902	1,800	---
2,4-Dichlorophenol	0.2	0.0334	110	35
2,4-Dimethylphenol	1	0.0852	730	270
2,4-Dinitrophenol	5	0.6129	73	30
4,6-Dinitro-2-methylphenol	5	0.2197	---	---
2-Nitrophenol	1	0.1706	---	---
4-Nitrophenol	5	0.6468	290	---
Pentachlorophenol	1	0.0663	1.0	1.0
Phenol	0.2	0.0581	11,000	4,500
2,4,5-Trichlorophenol	1	0.1527	3,700	890
2,4,6-Trichlorophenol	1	0.1749	6.1	3.5
1,1'-Biphenyl	1	0.0415	300	0.83
Caprolactam	5	1.1902	18,000	7,700
Benzaldehyde	1	0.15	610	1,500
Atrazine	1	0.0892	3.0	3.0

--- Not available.

TABLE 10

SUMMARY OF ANALYSES TO BE PERFORMED
FORMER QUALITY CARRIERS, INC. SITE
INSTITUTE, WEST VIRGINIA

GROUNDWATER				
METALS (ug/L)				
PARAMETER	REPORTING LIMIT	METHOD DETECTION LIMIT	VRP DMV	USEPA RBSL
Arsenic	1	0.2908	10	10
Barium	10	0.098	2,000	2,000
Cadmium	1	0.114	5	5
Chromium	2	0.5433	55,000	16,000
Lead	1	0.0192	15	15
Mercury	0.2	0.0384	2	2
Selenium	5	0.4216	50	50
Silver	1	0.0362	180	71
Vanadium	1	0.0824	2.6	78
PESTICIDES/HERBICIDES (ug/L)				
4,4'-DDD	0.05	0.02685	0.28	0.28
4,4'-DDE	0.05	0.03169	0.2	0.2
4,4'-DDT	0.05	0.02971	0.2	0.2
Aldrin	0.05	0.03328	0.004	0.00021
alpha-BHC	0.05	0.02655	0.011	0.0062
alpha-Chlordane	0.05	0.03929	---	---
beta-BHC	0.05	0.03981	0.037	0.022
delta-BHC	0.05	0.01745	---	---
Dieldrin	0.05	0.03279	0.0042	0.0015
Endosulfan I	0.05	0.03758	220	78
Endosulfan II	0.05	0.03905	---	---
Endosulfan sulfate	0.05	0.02279	---	---
Endrin	0.05	0.03853	2.0	2
Endrin aldehyde	0.05	0.03588	---	---
Endrin ketone	0.05	0.03677	---	---
gamma-BHC (Lindane)	0.05	0.03206	0.2	0.2
gamma-Chlordane	0.05	0.03855	---	---
Heptachlor	0.05	0.03968	0.4	0.4
Heptachlor epoxide	0.05	0.03883	0.2	0.2
Methoxychlor	0.1	0.03654	40	40
Toxaphene	4	0.75575	3.0	3
2,4-D	4	0.4526	70	70
2,4,5-T	1	0.0969	370	120
Silvex(2,4,5-TP)	1	0.1067	50	50
PCBs (ug/L)				
PCB-1016	0.01	0.002515	0.96	0.96
PCB-1221	0.01	0.00249	0.0068	0.0043
PCB-1232	0.01	0.002931	0.0068	0.0043
PCB-1242	0.01	0.001857	0.034	0.034
PCB-1248	0.01	0.002273	0.034	0.034
PCB-1254	0.01	0.002289	0.034	0.034
PCB-1260	0.01	0.001355	0.034	0.034

--- Not available.

APPENDIX A

Monitoring Well Logs
MW-Series Wells

MONITORING WELL LOG

SAIC — An Employee-Owned Company

CLIENT: Quality Distribution
PROJECT: Quality Carriers Facility
PROJECT NO.: 01-1408-00-3973-000

BORING/WELL NO: MW-101 PAGE 1 OF 1
LOCATION: Institute, WV
TOP OF CASING ELEVATION: N/A

DEPTH FEET	PID ppm	WELL LOG	LITHOLOGIC DESCRIPTION	WELL CONSTRUCTION DETAILS
			Ground Surface	6" Steel Stickup
	0		Organic material, roots, grass. Moderate brown (5 YR 4/4) silty sand, fine to medium grained (SM).	6" Protective Steel Casing (+3'-3')
	0			0-9.5': 4" PVC Riser
5				
	0		[5-7' Blow counts 15-11-9-14; Recovery 2'/2'] Moderate brown (5 YR 4/4) clayey silt. Low plasticity, dry (ML) Rock fragments up to 2" diameter of sandstone and shale.	9.5'-19.5': 4" PVC Screen, 10 slot
	0			
	0			
10			[10-12' Blow counts 10-7-12-14; Recovery 2'/2'] Moderate brown (5 YR 3/4), silty sand, fine to medium grained, with moderate olive brown 5 YR 4/4 mottling, dry, non-plastic (SM) few ¼" thick, moderate olive brown 5 YR 4/4 schist layers	0-1.5': Bentonite Cement Grout
	0			
	0			1.5'-6.5': Bentonite
15	0		[15-17' Blow counts 5-7-18-22;Recovery 1.8'/2']	6.5'-20': #1 Sand
	0		16' Moderate brown (5 YR 3/4) Weathered shale, thinly bedded, nearly vertical cleavage pattern, some seams wet, otherwise the soil is damp, no plasticity, low clay content	
	0			
20			[17.5' Blow counts 50/0.17']	
			Auger Refusal at 20'	
25				
30				

DRILLER: Southeastern Environmental

LOGGED BY: Stephanie Williams

DRILLING STARTED/COMPLETED: August 9, 1999

OBSERVED WATER BEARING ZONES: 16'bgl

NOTES: The groundwater level shown in the well log was measured within two hours following the well installation.

MONITORING WELL LOG

SAIC — An Employee-Owned Company

CLIENT: Quality Distribution
PROJECT: Quality Carriers Facility
PROJECT NO.: 01-1408-00-3973-000

BORING/WELL NO: MW-102
LOCATION: Institute, WV
TOP OF CASING ELEVATION: N/A

DEPTH FEET	PID ppm	WELL LOG	LITHOLOGIC DESCRIPTION	WELL CONSTRUCTION DETAILS
			Ground Surface	6" Steel Stickup
	1.1		Moderate brown (5 YR 4/4) clayey silt, low plasticity, damp (ML)	6" Protective Steel Casing; (+3'-3')
5	1.6 148		[5-7' Blow counts 8-50/2"; Recovery .7'/.7'] Same as above. Sandstone rock at 5.5'	0-12': 4" PVC Riser 12'-25': 4" PVC Screen, 10 slot
			9' Perched water bearing zone	
10	42 185 0		[10-12' Blow counts 2-2-2-2; Recovery 2'/2'] Moderate brown (5 YR 4/4) silty clay, moderately plastic, damp (CL)	0-4': Bentonite Cement Grout 4'-9': Bentonite
15	6.2 10.3		[15-17' Blow counts 6-5-2-2; Recovery 1.1'/2'] Moderate brown (5 YR 4/4) clayey silt, low plasticity, saturated (ML)	9'-26': #1 Sand
20	0 0		[20-22' Blow counts 3-4-6-7; Recovery 1.4'/2'] Moderate brown (5 YR 4/4) silty clay,with dark yellowish brown 10 YR 4/2 mottling. Slightly micaceous, damp, low to medium plasticity, (CL)	
25	6 3.5		[25-27' Blow counts 6-7-11-12; Recovery 1.9'/2'] Medium to coarse grained, semi-angular, saturated sand, very little fines (SP)	
30				

DRILLER: Southeastern Environmental

OBSERVED WATER BEARING ZONES: 9'(perched) & 24' bgl

LOGGED BY: Stephanie Williams

NOTES: The groundwater level shown in the well log was measured within two hours following the well installation.

DRILLING STARTED/COMPLETED: August 9, 1999-August 12, 1999

MONITORING WELL LOG

SAIC — An Employee-Owned Company

CLIENT: Quality Distribution
PROJECT: Quality Carriers Facility
PROJECT NO.: 01-1408-00-3973-000

BORING/WELL NO: MW-103
LOCATION: Institute, WV
TOP OF CASING ELEVATION: N/A

DEPTH FEET	PID ppm	WELL LOG	LITHOLOGIC DESCRIPTION	WELL CONSTRUCTION DETAILS
			Ground Surface	6" Steel Stickup
	0		Moderate brown (5 YR 3/4) clayey silt, low plasticity, dry,(ML), some sandstone fragments	6" Protective Steel Casing; (+3'-3')
	0			0-13': 4" PVC Riser
5			[5-7' Blow counts 6-4-5-6; Recovery 1.5'/2']	
	0		Same as above	13'-26': 4" PVC Screen, 10 slot
	0			
			8.5' Soft zone, increasing soil moisture	
	0		[9-11' Blow counts 2-4-7-8; Recovery 2'/2']	0-5': Bentonite Cement Grout
10			9.5' Grayish brown 5 YR 3/2 silty clay, moist, low plasticity (CL)	
	0			5'-10': Bentonite
	0		[13-15' Blow counts 5-8-10-13; Recovery 1.6'/2]	
			[15-17' Blow counts 4-8-13-16; Recovery 2'/2']	
15	0		Moderate yellowish brown (10 YR 5/4) clayey silt with grayish brown (5 YR 3/2) and pale brown (5 YR 5/2) mottling, damp, low plasticity (ML). Sandstone fragments.	10'-26.7': #1 Sand
	0			
	0			
20				
	0		[20-22' Blow counts 3-5-8-11; Recovery 2/2']	
	0		Same as above	
			23' Soft zone, possible water bearing zone	
25			[25-27' Blow counts 2-1-1-1; Recovery 1.4'/2']	
			26' Medium to coarse grained, semi-angular, saturated sand, very little fines (SP)	
			Auger Refusal at 26.7'	
30				

DRILLER: Southeastern Environmental

LOGGED BY: Stephanie Williams

DRILLING STARTED/COMPLETED: August 10, 1999

OBSERVED WATER BEARING ZONES: 23'bgl

NOTES: The groundwater level shown in the well log was measured within two hours following the well installation.

MONITORING WELL LOG

SAIC — An Employee-Owned Company

CLIENT: Quality Distribution
PROJECT: Quality Carriers Facility
PROJECT NO.: 01-1408-00-3973-000

BORING/WELL NO: MW-104
LOCATION: Institute, WV
TOP OF CASING ELEVATION: N/A

DEPTH FEET	PID ppm	WELL LOG	LITHOLOGIC DESCRIPTION	WELL CONSTRUCTION DETAILS
			Ground Surface	8" Flushmount
	0		0-1' Concrete pad Moderate brown (5 YR 3/4) sandy silt, non-plastic, dry, very fine grained sand (ML)	8" Flushmount in a 2' Square 1' Deep Concrete Pad
5	2.2		[5-7' Blow counts 9-13-16-18; Recovery 1.2'/2'] Same as above.	0-13': 4" PVC Riser
	1.7		6.5' Dusky yellow 5 YR 6/4, sandstone, fine grained, micaceous, weathered	13'-23': 4" PVC Screen, 10 slot
10	1.5		[10-12' Blow counts 5-5-9-11; Recovery .2'/2'] Moderate brown (5 YR 3/4) sandy silt, non-plastic, dry, very fine grained sand (ML)	0-5.0': Cement Bentonite Grout 5.0'-10': Bentonite
15	2.3		[15-17' Blow counts 3-4-4-4; Recovery 1.6'/2'] 16' Grayish olive 10 Y4/2 silty sand, very fine to fine grained with mica, moist (SM)	10'-23.5': #1 Sand
20	1.3		[20-22' Blow counts 4-8-11-13; Recovery .7'/2'] 21' Medium gray (N5) sandstone, very fine grained, micaceous, weathered, damp 23' Water bearing zone, auger refusal	
25				
30				

DRILLER: Southeastern Environmental

LOGGED BY: Stephanie Williams

DRILLING STARTED/COMPLETED: August 11, 1999

OBSERVED WATER BEARING ZONES: 23 'bgl

NOTES: The groundwater level shown in the well log was measured within two hours following the well installation.

MONITORING WELL LOG

SAIC — An Employee-Owned Company

CLIENT: Quality Distribution
PROJECT: Quality Carriers Facility
PROJECT NO.: 01-1408-00-3973-000

BORING/WELL NO: MW-105 PAGE 1 OF 1
LOCATION: Institute, WV
TOP OF CASING ELEVATION: N/A

DEPTH FEET	PID ppm	WELL LOG	LITHOLOGIC DESCRIPTION	WELL CONSTRUCTION DETAILS
			Ground Surface	8" Flushmount
			0 - .5 Gravel Moderate brown (5 YR 4/4) sandy silt with clay, very fine grained, slight plasticity, dry,(ML)	8" Flushmount in a 2' Square 1' Deep Concrete Pad
5			[5-7' Blow counts 5-7-9-12; Recovery 2'/2'] Same as above	0-15': 4" PVC Riser
				15'-35': 4" PVC Screen, 10 slot
10			[10-12' Blow counts 5-6-8-9; Recovery 1.7'/2'] Moderate brown (5 YR 4/4) clayey silt, low to medium plasticity, damp, some medium light gray (N6) mottling, (ML)	0-7': Bentonite Cement Grout
				7'-12': Bentonite
15			[15-17' Blow counts 4-5-6-8; Recovery 1.8'/2'] Moderate brown (5 YR 4/4) sandy silt, very fine grained, abundant mottling, moderate brown (5 YR ¾), medium light gray (N6) with clay lenses. Slight to low plasticity, damp, increasing clay content with depth (ML)	12'-35.5': #1 Sand
20			[20-22' Blow counts 4-3-3-3; Recovery .3/2'] Same as above	
25			23' Medium dark gray (N4) silty clay, very soft, moderate plasticity, some mica, some medium grained sand zones, with fine grains (CL)	
			[25-27' Blow counts 2-1-2-1; Recovery 1.9'/2'] Same as above	
30			[30-32' Blow counts 24-50/2"; Recovery .7'/.7'] Moderate brown (5 YR ¾) sandy silt(ML), dry low plasticity 31.5' Weathered shale, light olive brown (5 YR 5/6), light olive gray (5 YR 5/2), grayish olive (10 Y 4/2) mottling, thinly bedded, soft, weathered, some sandy zones. 34' Water bearing zone	

DRILLER: Southeastern Environmental

LOGGED BY: Stephanie Williams

DRILLING STARTED/COMPLETED: August 11, 1999

OBSERVED WATER BEARING ZONES: 34'bgl

NOTES: The groundwater level shown in the well log was measured within two hours following the well installation.

MONITORING WELL LOG

SAIC — An Employee-Owned Company

CLIENT: Quality Distribution
PROJECT: Quality Carriers Facility
PROJECT NO.: 01-1408-00-3973-000

BORING/WELL NO: MW-106 PAGE 1 OF 1
LOCATION: Institute, WV
TOP OF CASING ELEVATION: N/A

DEPTH FEET	PID ppm	WELL LOG	LITHOLOGIC DESCRIPTION	WELL CONSTRUCTION DETAILS
			Ground Surface	8" Flushmount
			0 - .5 Gravel Moderate brown (5 YR 4/4) clayey silt, low plasticity, moist,(ML) 3' sandstone boulder	8" Flushmount in a 2' Square 1' Deep Concrete Pad
5			[5-7' Blow counts 50/0"; Recovery 0]	0-15': 4" PVC Riser
				15'-35': 4" PVC Screen, 10 slot
10			[10-12' Blow counts 5-8-9-14; Recovery 1.7'/2'] Moderate brown (5 YR 4/4) clayey silt, with moderate brown (5 YR ¾), slight plasticity, damp (ML), some fine-grained sandstone fragments	0-7': Bentonite Cement Grout
				7'-12': Bentonite
15			[15-17' Blow counts 18-9-13-9; Recovery 1.4'/2'] Moderate brown (5 YR 4/4) clayey silt, slight plasticity, damp, mottled moderate brown (5 YR ¾), and pale brown (5 YR 5/2) (ML)	12'-35.5': #1 Sand
20			[20-22' Blow counts 3-3-4-6; Recovery 1.6'/2'] Silty clay with sand, low plasticity, moist, micaceous, mottled moderate brown (5 YR ¾), and pale brown (5 YR 5/2) (ML)	
25			[25-27' Blow counts 1-3-3-4; Recovery 1.5'/2'] 25.5' sandy silt with clay, same colors and mottling, slight plasticity, (ML) micaceous, moist 26.5' silty sand, fine grained, same colors, wet (SM)	
30			[30-32' Blow counts 7-17-22-29; Recovery 1.7'/2'] Moderate brown (5 YR ¾) clayey silt , with light olive gray and medium gray mottling, low plasticity, moist (ML) [35-37' Blow counts 23,50/0; Recovery .1/.5'] Weathered shale. Thinly bedded, greenish gray, saturated.	

DRILLER: Southeastern Environmental
LOGGED BY: Stephanie Williams

OBSERVED WATER BEARING ZONES: 30'
NOTES: The groundwater level shown in the well log was measured within two hours following the well installation.

DRILLING STARTED/COMPLETED: August 11, 1999

MONITORING WELL LOG

SAIC — An Employee-Owned Company

CLIENT: Quality Distribution
PROJECT: Quality Carriers Facility
PROJECT NO.: 01-1633-00-3973-000

BORING/WELL NO: MW-107 PAGE 1 OF 1
LOCATION: Institute, WV
TOP OF CASING ELEVATION: N/A

DEPTH FEET	PID ppm	WELL LOG	LITHOLOGIC DESCRIPTION	WELL CONSTRUCTION DETAILS
			Ground Surface	8" Flushmount
	0		0 - .5 Gravel Clay with silt, moderately plastic, damp, dark yellowish brown 10 YR 4/6 (CL)	8" Flushmount in a 2' square concrete pad
	11		3'- 4.5' stained olive brown 2.5 YR 4/3 to black, hydrocarbon odor.	0 - 9.5': 4" PVC Riser
5	0		[5 -7' Blow counts 5-9-10-11; Recovery 2'/2']	
	0		Silty clay, moderately plastic, damp, dark yellowish brown 10 YR 5/6 (CL) with light gray mottling	9.5 - 24.5': 4" PVC Screen, 10 slot
			7'- 9.5' Shelby tube [10-12' Blow counts 7-6-7-8; Recovery 2'/2']	
10	0		Silty clay with some fine sand, moist, soft, mottled, micaceous, yellowish brown 10 YR 5/6 (CL)	0-1.5': Bentonite Cement Grout
	0		14' Soft zone, water, same as above	1.5'- 6.5': Bentonite
15	0			6.5'- 25': #1 Sand
20	0			
			Total Depth 25'	
25	0			
30				

DRILLER: Don Malone / Double J Drilling
LOGGED BY: Stephanie Pulaski

DRILLING STARTED/COMPLETED: July 25, 2000

OBSERVED WATER BEARING ZONES: 14'
NOTES: Used 6 1/2" ID, 12" OD hollow stem augers

MONITORING WELL LOG

SAIC — An Employee-Owned Company

CLIENT: Quality Distribution
PROJECT: Quality Carriers Facility
PROJECT NO.: 01-1633-00-3973-000

BORING/WELL NO: MW-108
LOCATION: Institute, WV
TOP OF CASING ELEVATION: N/A

DEPTH FEET	PID ppm	WELL LOG	LITHOLOGIC DESCRIPTION	WELL CONSTRUCTION DETAILS
			Ground Surface	8" Flushmount
	0		0 - 1 Gravel, grass, silty sand with pebbles, dry, gray 5 YR 6/1 (GP - GM) 1' River gravel (fill)	8" Flushmount in a 2' square concrete pad
	0		2' Silty clay, slightly plastic, damp, yellowish red 5 YR 4/6 (CL)	0 - 9.5': 4" PVC Riser
5	0		[5 -7' Blow counts 6-10-11-16; Recovery 1.6'/2']	
	0		Silty clay; dry, reddish brown 5 YR 4/3 with black and tan mottling (CL) [7'- 9' Blow counts 4-5-6-7; Recovery 1.8'/2']	9.5 - 24.5': 4" PVC Screen, 10 slot
			Same as above (CL) 9-11.5' Shelby Tube sample	
10	0			0-1.5': Bentonite Cement Grout
	0		12' Silty clay with fine grained sand; moist, soft, moderately plastic, micaceous, Dark yellowish brown 10 YR 4/6	1.5'- 6.5': Bentonite
15	0		[14 - 16' Blow counts 2-4-3-5; Recovery 2'/2'] Silty clay with some fine sand, sand lenses, moist, soft, mottled, micaceous, yellowish brown 10 YR 5/6 (CL)	6.5'- 25': #1 Sand
			[16 - 18' Blow counts 4-3-4-9; Recovery 2'/2'] Sandy clay to clayey sand, with some clay lenses, fine grained sand, wet, soft, micaceous, sand content increasing with depth, yellowish brown 10 YR 5/6 (CL - SC)	
20	0			
25	0		Total depth 25'.	
30				

DRILLER: Don Malone / Double J Drilling
LOGGED BY: Stephanie Pulaski

DRILLING STARTED/COMPLETED: July 24, 2000

OBSERVED WATER BEARING ZONES: 12'
NOTES: Used 6 1/2" ID, 12" OD hollow stem augers

MONITORING WELL LOG

SAIC — An Employee-Owned Company

CLIENT: Quality Distribution
PROJECT: Quality Carriers Facility
PROJECT NO.: 01-1633-00-3973-000

BORING/WELL NO: MW-109 PAGE 1 OF 1
LOCATION: Institute, WV
TOP OF CASING ELEVATION: N/A

DEPTH FEET	PID ppm	WELL LOG	LITHOLOGIC DESCRIPTION	WELL CONSTRUCTION DETAILS
			Ground Surface	8" Flushmount
	0		0 - 1 Gravel, grass, clayey silt, low plasticity, damp, brown 7.5 YR 4/4	8" Flushmount in a 2' square concrete pad
	0		3' Silty clay; moderately plastic, damp, brown 7.5 YR 4/2 (CL)	0 - 13.5': 4" PVC Riser
5	0		[5 -7' Blow counts 2-5-10-9; Recovery 2'/2']	
	0		Clay with some silt and fine grained sand; low to moderate plasticity, damp, slightly mottled, some mica, brown 7.5 YR 5/4 (CL)	13.5 - 28.5': 4" PVC Screen, 10 slot
10	0		[10'-12' Blow counts 4-9-11-15; Recovery 1.9'/2'] Same as above (CL)	0-4': Bentonite Cement Grout
	0		12' Fine grained sand lens	4'- 10': Bentonite
15	0		15' - 17.5' Shelby tube	10- 28.5': #1 Sand
			Clay with silt; moist, soft, moderately plastic, micaceous, reddish brown 5 YR 4/3 (CL)	
20	0		[20 - 22' Blow counts 3-4-5-8; Recovery 2'/2'] Same as above (CL)	
			22' Clay with silt and some fine grained sand, very moist, soft, moderate to high plasticity, micaceous, reddish brown 5 YR 4/3 (CL)	
25	0		23' Sand, medium grained, well sorted, few fines, subangular, saturated, reddish brown 5 YR 4/3 (SP)	
			[25 - 27' Blow counts 2-5-7-7; Recovery 2'/2'] Sand, same as above (SP)	
	0			
30			Total depth 30'.	

DRILLER: Don Malone / Double J Drilling
LOGGED BY: Stephanie Pulaski

OBSERVED WATER BEARING ZONES: 23'
NOTES: Used 6 1/2" ID, 12" OD hollow stem augers

DRILLING STARTED/COMPLETED: July 25, 2000

MONITORING WELL LOG

SAIC — An Employee-Owned Company

CLIENT: Quality Distribution
PROJECT: Quality Carriers Facility
PROJECT NO.: 01-1633-00-3973-000

BORING/WELL NO: MW-110
LOCATION: Institute, WV
TOP OF CASING ELEVATION: N/A

DEPTH FEET	PID ppm	WELL LOG	LITHOLOGIC DESCRIPTION	WELL CONSTRUCTION DETAILS
			Ground Surface	2.6' Stick-up
	0		Clayey silt with some small rock fragments; low plasticity, damp, reddish brown 5 YR 4/4 (ML)	2.6' Stick-up in a 3' square concrete pad
	0			0 - 17.5': 4" PVC Riser
5	0		[5 -7' Blow counts 3-4-5-3; Recovery 1'/2']	
	0		Same as above; with some olive brown 2.5 YR 4/4 weathered schist mottling (ML)	17.5 - 32.5': 4" PVC Screen, 10 slot
			Clay with some silt and fine grained sand; low to moderate plasticity, damp, slightly mottled, some mica, strong brown 7.5 YR 5/4 (CL)	
10	0		[10'-12' Blow counts 3-5-6-6; Recovery 0.4'/2']	0-9': Bentonite Cement Grout
	0		Same as above with increasing rock fragments (CL)	
				9'- 14.5': Bentonite
15	0		[15' - 17' Blow counts 3-4-5-8; Recovery 1'/2']	14.5- 33': #1 Sand
			Silty clay; moderate plasticity, damp, strong brown 7.5 YR 5/4 (CL)	
20	0		20 - 22.5' Shelby tube	
			22.5' Sandy silt; fine grained, little clay, moist, non-plastic, micaceous, reddish brown 5 YR 4/3 (ML)	
25	0		[25 - 27' Blow counts 4-4-4-6; Recovery 2'/2'] Sandy silt, same as above (ML)	
	0			
30			[30 - 32' Blow counts 38-50/2; Recovery 0.3'/0.67']	
	0		Refusal, weathered shale Total depth 33'.	

DRILLER: Don Malone / Double J Drilling
LOGGED BY: Stephanie Pulaski

OBSERVED WATER BEARING ZONES: 22'
NOTES: Used 6 1/2" ID, 12" OD hollow stem augers

DRILLING STARTED/COMPLETED: July 26, 2000