TABLE A-1
SITE-WIDE GROUNDWATER LEVELS AND ELEVATION DATA
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

		2009 Key Well Event				2009 Collection Well Event			
		6/4/2009	6/4/2009	6/5/2009	6/5/2009	12/15/2009	12/15/2009	12/16/2009	12/16/2009
Location	Measuring Point Elevation	Depth (Feet)	Water Level (Ft. AMSL)	Depth (Feet)	Water Level (Ft. AMSL)	Depth (Feet)	Water Level (Ft. AMSL)	Depth (Feet)	Water Level (Ft. AMSL)
CW-1*	570.07			77.81	492.26	77.05	493.02		
CW-1A*	568.28			61.36	506.92	61.71	506.57		
CW-2*	556.95			78.43	478.52	75.95	481		
CW-3*	518.66			80.45	438.21	65.75	452.91		
CW-4*	541.55			74.38	467.17	66.15	475.4		
CW-5*	470.34			22.78	447.56	43.7	426.64		
CW-6*	484.67			69.39	415.28	20.88	463.79		
CW-7*	573.78			83.31	490.47	82.51	491.27		
CW-7A*	573.91			47.84	526.07	51.23	522.68		
CW-8*	362.7	18.13	344.57			16.12	346.58		
CW-9*	356.82	24	332.82			22.2	334.62		
CW-13*	358.85	34.51	324.34			36.55	322.3		
CW-14	358.92	25.32	333.6			24.9	334.02		
CW-15	361.48	17.88	343.6			16.12	345.36		
CW-15A*	361.4	20.91	340.49			28.54	332.86		
CW-16	364.6	20	344.6			17.96	346.64		
CW-17*	358.7	25.24	333.46			24.71	333.99		
CW-18	364.72	18.18	346.54			16.21	348.51		
CW-19	384.94	D	D			D	D		
CW-20	361.49	21.93	339.56			19.58	341.91		
MW-1	380.73	35.01	345.72			33.27	347.46		
MW-2	508.88			62.21	446.67	59.01	449.87		
MW-3	541.1			61.9	479.2	58.43	482.67		
MW-5	369.71	22.83	346.88			21	348.71		
MW-6	359.62	18.2	341.42			17.76	341.86		
MW-7	359.48	25.89	333.59			25.4	334.08		
MW-8	358.09	18.81	339.28			15.48	342.61		
MW-9	558.78			47.51	511.27	47.88	510.9		
MW-10	567.8			51.15	516.65	52.08	515.72		
MW-11	563.08			23.95	539.13	20.08	543		
MW-12	535.93			37.4	498.53	34.86	501.07		
MW-14	519.54			29.77	489.77	25.57	493.97		
MW-15	524.09			60.85	463.24	54.05	470.04		
MW-16D	516.51			6.34	510.17	7.49	509.02		
MW-16S	516.6			36.16	480.44	32.57	484.03		
MW-17	456.86			11.52	445.34	10.27	446.59		
MW-18D	464.19			15.58	448.61	0.02	464.17		
MW-18S	464.12			15.03	449.09	0.45	463.67		
MW-19	427.36			20.85	406.51	19.78	407.58		
MW-20D	573.85			42.51	531.34	33.1	540.75		
MW-20M	574.19			42.31	531.88	41.11	533.08		
MW-20S	574.05			42.22	531.83	41.47	532.58		
MW-22	447.57			56.64	390.93	53.24	394.33		
MW-26	376.46	20.17	356.29			17.79	358.67		
MW-27	361.29	16.06	345.23			14.34	346.95		
MW-28	362.91	18.28	344.63			16.34	346.57		
MW-29	364.77	11.12	353.65			13.19	351.58		
MW-30	362.26	14.33	347.93			12.18	350.08		
MW-31D	369.3	16.32	352.98			14.22	355.08		
MW-31S	369.28	16.19	353.09			14.15	355.13		
MW-32D	362.57	18.15	344.42			16.15	346.42		
MW-32S	362.44	17.8	344.64			15.86	346.58		
MW-33	363.94	19.24	344.7			17.34	346.6		
MW-34D	361	16.67	344.33			14.53	346.47		
MW-34S	361	16.96	344.04			14.63	346.37		
MW-35D	360.6	16.31	344.29			14.14	346.46		
MW-35S	360.49	16.34	344.15			14.08	346.41		
MW-36D	370.96	24.22	346.74			22.43	348.53		
MW-36S	370.95	23.91	347.04			21.85	349.1		
MW-37D	359.11	19.65	339.46			17.29	341.82		
MW-37S	359.13	17.58	341.55			16.3	342.83		
MW-38D	358.62	19.85	338.77			18.22	340.4		
MW-39D	360.21	22.19	338.02			20.79	339.42		
MW-39S	360.14	21.86	338.28			20.53	339.61		
MW-40D	374.65	25.08	349.57			27.09	347.56		
MW-40S	374.69	22.26	352.43			27.05	347.64		
MW-43D	380.08	31.41	348.67			28.33	351.75		
MW-43S	379.76	30.99	348.77			27.86	351.9		
MW-45	359.91	16.18	343.73			14.1	345.81		
MW-46	359.19	15.45	343.74			13.03	346.16		
MW-47	360.57	19.8	340.77			17.82	342.75		
MW-49D	361.44	17.09	344.35			15.6	345.84		
MW-49S	361.45	17.26	344.19			15.7	345.75		
MW-50D	360.41	21.23	339.18			19.66	340.75		

NOTES:
D= Well was Dry.
* indicates active extraction well.
Blanks indicate location was not gauged on date.

TABLE A-1
SITE-WIDE GROUNDWATER LEVELS AND ELEVATION DATA
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

		2009 Key Well Event				2009 Collection Well Event			
		6/4/2009	6/4/2009	6/5/2009	6/5/2009	12/15/2009	12/15/2009	12/16/2009	12/16/2009
Location	Measuring Point Elevation	Depth (Feet)	Water Level (Ft. AMSL)	Depth (Feet)	Water Level (Ft. AMSL)	Depth (Feet)	Water Level (Ft. AMSL)	Depth (Feet)	Water Level (Ft. AMSL)
MW-50S	360.4	19.81	340.59			2.06	358.34		
MW-51D	360.43	14.27	346.16					23.17	337.26
MW-51S	360.19	24.49	335.7					23.49	336.7
MW-52	367.39	7.7	359.69						
MW-53	367.15	8.66	358.49			7.35	359.8		
MW-54	365.26	20.7	344.56			18.66	346.6		
MW-55	365.22	20.8	344.42			18.62	346.6		
MW-56	371.83	17.76	354.07			17.4	354.43		
MW-57	364.54	18.56	345.98			16.68	347.86		
MW-64D	416.43			57.13	359.3	55.2	361.23		
MW-64S	416.34			32.1	384.24	30.24	386.1		
MW-65D	546.8			46.83	499.97	43.76	503.04		
MW-65S	546.82			48.04	498.78	45.14	501.68		
MW-66D	506.92			37.49	469.43	32.84	474.08		
MW-66S	506.73			36.57	470.16	32.38	474.35		
MW-67D	446.26			1.43	444.83	A	A		
MW-67S	446.26			8.89	437.37	5.95	440.31		
MW-68	458.06			5.7	452.36	4.02	454.04		
MW-69	411.9			6.31	405.59	6.32	405.58		
MW-70D	413.26			16.55	396.71	14.54	398.72		
MW-70S	413.2			16.61	396.59	14.58	398.62		
MW-74D	359.79	19.44	340.35			18.41	341.38		
MW-74S	359.85	20.18	339.67			18.78	341.07		
MW-75D	359.85	20.32	339.53			17.95	341.9		
MW-75S	359.03	19.02	340.01			16.93	342.1		
MW-77	379.48	23.38	356.1			20.94	358.54		
MW-78	367.08	13.28	353.8			11.32	355.76		
MW-79	375.84	20.72	355.12			18.22	357.62		
MW-80	370.29	23.72	346.57			21.48	348.81		
MW-81D	359.89	15.61	344.28			13.57	346.32		
MW-81S	360.12	16.09	344.03			13.9	346.22		
MW-82	384.27	37.52	346.75			35.8	348.47		
MW-83	363.69	12.56	351.13			9.71	353.98		
MW-84	366.97	13.28	353.69			11.25	355.72		
MW-85	371.54	26.53	345.01			25.45	346.09		
MW-86D	406.56			7.8	398.76	7.14	399.42		
MW-86S	406.5			10.13	396.37	9.6	396.9		
MW-87	370.64	23.83	346.81			21.73	348.91		
MW-88	367.93	22.31	345.62			20.88	347.05		
MW-91	501.18			53.69	447.49	50.06	451.12		
MW-92	476.87			81.28	395.59	78.1	398.77		
MW-93D	360.14	18.65	341.49			17.49	342.65		
MW-93S	360.76	18.48	342.28			17.74	343.02		
MW-94	365.03	10.45	354.58			8.71	356.32		
MW-95	358.72	18.88	339.84			17.21	341.51		
MW-96D	361	21.87	339.13			20.35	340.65		
MW-96S	361.21	22.17	339.04			20.63	340.58		
MW-97	357.39	21.03	336.36			20.08	337.31		
MW-98D	361.41	19.96	341.45			18.81	342.6		
MW-98I	360.78	20.38	340.4			19.56	341.22		
MW-98S	360.77	20.2	340.57			19.02	341.75		
MW-99D	359.91	18.53	341.38			17.48	342.43		
MW-99S	360.37	19.1	341.27			18.11	342.26		
MW-100D	362.14	20.54	341.6			19.28	342.86		
MW-100I	361.81	20.33	341.48			19.03	342.78		
MW-100S	362.28	20.85	341.43			19.55	342.73		
MW-101D	356.22	15.78	340.44			14.41	341.81		
MW-101S	356.54	16.12	340.42			14.83	341.71		
MW-102D	401.71			5.43	396.28	3.35	398.36		
MW-102S	401.95			31.35	370.6	28.69	373.26		
MW-103D	397.62			12.89	384.73	11.36	386.26		
MW-103S	397.96			11.51	386.45	9.68	388.28		
MW-104	428.72			28.19	400.53	27.99	400.73		
MW-105	362.05	22.81	339.24			21.31	340.74		
MW-106	360.15	24.42	335.73			23.17	336.98		
MW-107	363.56	22.14	341.42			20.69	342.87		
MW-108D	426.35			17.2	409.15	13.27	413.08		
MW-108S	425.46			23.98	401.48	19.83	405.63		
MW-109D	389.12			32.55	356.57	31.82	357.3		
MW-109S	388.39			32.82	355.57	32.11	356.28		
MW-110	378.36			22.89	355.47	22.11	356.25		
MW-111	433.63			16.85	416.78	13.58	420.05		
MW-112	393.52	47.19	346.33			44.9	348.62		
MW-113	371.02	23.84	347.18			21.68	349.34		

NOTES:
D= Well was Dry.
* indicates active extraction well.
Blanks indicate location was not gauged on date.

TABLE A-1
SITE-WIDE GROUNDWATER LEVELS AND ELEVATION DATA
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

		2009 Key Well Event				2009 Collection Well Event			
		6/4/2009	6/4/2009	6/5/2009	6/5/2009	12/15/2009	12/15/2009	12/16/2009	12/16/2009
Location	Measuring Point Elevation	Depth (Feet)	Water Level (Ft. AMSL)	Depth (Feet)	Water Level (Ft. AMSL)	Depth (Feet)	Water Level (Ft. AMSL)	Depth (Feet)	Water Level (Ft. AMSL)
MW-114	360.71	16.03	344.68			14.29	346.42		
MW-115	373.3	19.1	354.2			17.14	356.16		
MW-116	364.59	17.98	346.61			16.26	348.33		
MW-117	365.19	12.31	352.88			9.92	355.27		
Ru-MW-1	389.69			32.79	356.9	32.49	357.2		
Ru-MW-2	391.5			35.39	356.11	32.09	359.41		
Ru-MW-3	395.86			39.78	356.08	34.68	361.18		
Ru-MW-4	394.17			38.12	356.05	37.44	356.73		
Ru-MW-5	378.8			21.79	357.01	21.72	357.08		
Ru-MW-6	383.28			27.2	356.08	29.49	353.79		
Ru-MW-7						29.9			
Ru-MW-8						27.34			
RW-2	548.27			21.21	527.06				
RW-5	375.54	30.42	345.12			28.31	347.23		
WPL-SS-7	357.78	21.71	336.07			20.6	337.18		
WPL-SS-8	364.4	25.7	338.7			24.3	340.1		
SOFTAIL LIFT STATION	392.6			25.04	367.56	24.91	367.69		
CODORUS 1	379.69	39.07	340.62			38.39	341.3		
CODORUS 2	341.63	1.81	340.1			2.29	340.58		
Cole B	363.75	12.22	351.53			10.8	352.95		
Cole D	370.15	11.09	359.06			10.3	359.85		
Cole E deep	369.17	15.07	354.1			13.71	355.46		
Cole E shallow	369.54	15.04	354.5			14.09	355.45		
Cole F	370.39	16.43	353.96			15.43	354.96		
Flush - Cole	361.92	10.49	351.43			9.11	352.81		
MW-4 (Cole)	367.21	15.21	352			13.84	353.37		
Kinsley Well	465.83	71.36	394.47			57.81	408.02		

NOTES:
D= Well was Dry.
* indicates active extraction well.
Blanks indicate location was not gauged on date.

Table A-2
Groundwater Quality Analyses Summary
June 2009 Key Well Sampling Event
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-1 6/15/2009	CW-1A 6/15/2009	CW-2 6/15/2009	CW-3 6/15/2009	CW-4 6/15/2009	CW-5 6/15/2009	CW-6 6/16/2009	CW-7 6/16/2009	CW-7A 6/16/2009	CW-8 6/16/2009	CW-9 6/15/2009	CW-13 6/15/2009	CW-15A 6/15/2009	CW-17 6/15/2009
1,4-Dioxane																		
1,4-Dioxane	5.6	24		6.1													99	
Cyanide, Free																		
Cyanide, Free	200	200	200	730														
Cyanide, Total																		
Cyanide, Total	200	200		730														
METAL																		
Antimony	6	6	6	15														
Arsenic	10	10	10	0.045														
Beryllium	4	4	4	73														
Cadmium	5	5	5	18														
Chromium	100	100	100															
Hexavalent Chromium	100	100		110														
Lead	5	5	15															1.1
Mercury	2	2	2	0.57														
Nickel	100	100		730														
METAL (Dissolved)																		
Antimony	6	6	6	15														
Arsenic	10	10	10	0.045														
Beryllium	4	4	4	73														
Cadmium	5	5	5	18														
Chromium	100	100	100															
Hexavalent Chromium	100	100		110														
Lead	5	5	15															0.58 B
Mercury	2	2	2	0.57														
Nickel	100	100		730														
TOTAL VOC																		
					78	52.58	23.26	50.4	105.8	10.82	112.72	8.55	189.1	402.3	1703.9	1370.8	19910	220
VOC																		
1,1,1,2-Tetrachloroethane	70	70		0.52	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
1,1,1-Trichloroethane	200	200	200	9100	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	11	66	14 J	6300	11
1,1,2,2-Tetrachloroethane	0.3	0.3		0.067	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
1,1,2-Trichloroethane	5	5	5	0.24	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
1,1-Dichloroethane	27	110		2.4	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	2.9 J	6.9 J	25 U	110 J	3.2 J
1,1-Dichloroethene	7	7	7	340	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	7.9 J	16 J	12 J	1500	10 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
1,2-Dichloroethane	5	5	5	0.15	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
1,2-Dichloropropane	5	5	5	0.39	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
1,4-Dioxane	5.6	24		6.1	400 U	400 U	200 U	200 U	600 U	200 U	400 U	200 U	2000 U	2000 U	5000 U	5000 U	50000 U	2000 U
2-Butanone	4000	4000		7100	20 U	20 U	10 U	10 U	30 U	10 U	20 U	10 U	100 U	100 U	250 U	250 U	2500 U	100 U
2-Hexanone					20 U	20 U	10 U	10 U	30 U	10 U	20 U	10 U	100 U	100 U	250 U	250 U	2500 U	100 U
4-Methyl-2-Pentanone	190	410		2000	20 U	20 U	10 U	10 U	30 U	10 U	20 U	10 U	100 U	100 U	250 U	250 U	2500 U	100 U
Acetone	3700	10000		22000	20 U	20 U	10 U	10 U	30 U	10 U	20 U	10 U	100 U	100 U	250 U	250 U	2500 U	100 U
Acrylonitrile	0.63	2.7		0.045	40 U	40 U	20 U	20 U	60 U	20 U	40 U	20 U	200 U	200 U	500 U	500 U	5000 U	200 U
Benzene	5	5	5	0.41	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
Bromochloromethane	90	90			2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
Bromodichloromethane	100	100		0.12	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
Bromoform	80	80		8.5	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
Bromomethane	10	10		8.7	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
Carbon Disulfide	1900	4100		1000	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
Carbon Tetrachloride	5	5	5	0.2	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
Chlorobenzene	100	100	100	91	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
Chlorodibromomethane	80	80		0.15	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
Chloroethane	230	900		21000	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
Chloroform	80	80		0.19	2 U	2 U	1 U	1 U	3 U	0.22 J	2 U	0.67 J	10 U	10 U	25 U	25 U	250 U	10 U
Chloromethane	30	30		190	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
cis-1,2-Dichloroethene	70	70	70	370	12	0.83 J	3.8	27	28	3.6	30	0.29 J	10 U	95	94	500	5600	51

Note
Blank results indicate analyte was not analyzed for.
U= Not detected.
J= Organics; estimated. Inorganics; blank contamination.
B= Organics; blank contamination. Inorganics; estimated.
E= Inorganics: matrix interference.

Table A-2
Groundwater Quality Analyses Summary
June 2009 Key Well Sampling Event
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-1 6/15/2009	CW-1A 6/15/2009	CW-2 6/15/2009	CW-3 6/15/2009	CW-4 6/15/2009	CW-5 6/15/2009	CW-6 6/16/2009	CW-7 6/16/2009	CW-7A 6/16/2009	CW-8 6/16/2009	CW-9 6/15/2009	CW-13 6/15/2009	CW-15A 6/15/2009	CW-17 6/15/2009
cis-1,3-Dichloropropene	6.6	26		0.43	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
Ethylbenzene	700	700	700	1.5	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
Methyl tert-butyl ether	20	20		12	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
Methylene chloride	5	5		4.8	2 U	2 U	1 U	1 U	3 U	1 U	0.72 J B	1 U	5.5 J B	4.5 J B	11 J	8.8 J	250 U	3.8 J B
Styrene	100	100	100	1600	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
Tetrachloroethene	5	5	5	0.11	2 U	0.75 J	0.46 J	1.4	5.8	3.2	64	0.19 J	3.6 J	21	950	220	1600	41
Toluene	1000	1000	1000	2300	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
trans-1,2-Dichloroethene	100	100	100	110	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
trans-1,3-Dichloropropene	6.6	26		0.43	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	250 U	10 U
Trichloroethene	5	5	5	1.7	66	51	19	22	72	3.8	18	7.4	180	260	560	600	4800	110
Vinyl Chloride	2	2	2	0.016	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	16 J	250 U	10 U
Xylenes (Total)	10000	10000	10000	200	6 U	6 U	3 U	3 U	9 U	3 U	6 U	3 U	30 U	30 U	75 U	75 U	750 U	30 U

Note
Blank results indicate analyte was not analyzed for.
U= Not detected.
J= Organics; estimated. Inorganics; blank contamination.
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Table A-2
Groundwater Quality Analyses Summary
June 2009 Key Well Sampling Event
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-2 6/24/2009	MW-5 6/18/2009	MW-6 6/16/2009	MW-7 7/7/2009	MW-10 6/30/2009	MW-12 6/23/2009	MW-16S 7/9/2009	MW-17 6/19/2009	MW-18D 7/9/2009	MW-18S 7/9/2009	MW-20D 6/16/2009	MW-20D Dup 6/16/2009	MW-20M 6/19/2009	MW-32D 7/14/2009
1,4-Dioxane																		
1,4-Dioxane	5.6	24		6.1														14
Cyanide, Free																		
Cyanide, Free	200	200	200	730	100 J													
Cyanide, Total																		
Cyanide, Total	200	200		730	980													
METAL																		
Antimony	6	6	6	15											3.6	2.9	0.46 B J	
Arsenic	10	10	10	0.045							1 U				1.2	0.85 B	17.3	
Beryllium	4	4	4	73											0.16 B	0.13 B	9.2	
Cadmium	5	5	5	18														
Chromium	100	100	100					114							13.6 J	14.4 J	52	
Hexavalent Chromium	100	100		110				170 J							50 U	50 U	50 U	
Lead	5	5	15								5.8		0.93 B	1.8	45.6	42	248	
Mercury	2	2	2	0.57														
Nickel	100	100		730											5.5	5.9	181	
METAL (Dissolved)																		
Antimony	6	6	6	15											0.77 B J	0.8 B J	0.33 B J	
Arsenic	10	10	10	0.045							1 U				0.44 B	0.66 B	1 U	
Beryllium	4	4	4	73											1 U	1 U	0.16 B	
Cadmium	5	5	5	18														
Chromium	100	100	100					113							6.5 J	7.6 J	5.9 J	
Hexavalent Chromium	100	100		110				140							50 U	50 U	50 U	
Lead	5	5	15								0.043 B		0.038 B	0.053 B	0.071 B	0.14 B	0.45 B	
Mercury	2	2	2	0.57														
Nickel	100	100		730											3.8	4.1	12.9	
TOTAL VOC																		
					110	4.19	0	1504	530.4	52.1	0	31.83	2594	970	0	0	0	1097
VOC																		
1,1,1,2-Tetrachloroethane	70	70		0.52	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
1,1,1-Trichloroethane	200	200	200	9100	5 U	0.3 J	1 U	59	25 U	2 U		1 U	100 U	50 U				25 U
1,1,2,2-Tetrachloroethane	0.3	0.3		0.067	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
1,1,2-Trichloroethane	5	5	5	0.24	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
1,1-Dichloroethane	27	110		2.4	5 U	1 U	1 U	12 J	25 U	2 U		1 U	100 U	50 U				11 J
1,1-Dichloroethene	7	7	7	340	5 U	1 U	1 U	59	25 U	2 U		1 U	100 U	50 U				42
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
1,2-Dichloroethane	5	5	5	0.15	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
1,2-Dichloropropane	5	5	5	0.39	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
1,4-Dioxane	5.6	24		6.1	1000 U	200 U	200 U	10000 U	5000 U	400 U		200 U	20000 U	10000 U				5000 U
2-Butanone	4000	4000		7100	50 U	0.77 J	10 U	500 U	250 U	20 U		10 U	1000 U	500 U				250 U
2-Hexanone					50 U	10 U	10 U	500 U	250 U	20 U		10 U	1000 U	500 U				250 U
4-Methyl-2-Pentanone	190	410		2000	50 U	10 U	10 U	500 U	250 U	20 U		10 U	1000 U	500 U				250 U
Acetone	3700	10000		22000	50 U	10 U	10 U	500 U	250 U	20 U		10 U	1000 U	500 U				250 U
Acrylonitrile	0.63	2.7		0.045	100 U	20 U	20 U	1000 U	500 U	40 U		20 U	2000 U	1000 U				500 U
Benzene	5	5	5	0.41	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
Bromochloromethane	90	90			5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
Bromodichloromethane	100	100		0.12	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
Bromoform	80	80		8.5	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
Bromomethane	10	10		8.7	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
Carbon Disulfide	1900	4100		1000	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
Carbon Tetrachloride	5	5	5	0.2	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
Chlorobenzene	100	100	100	91	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
Chlorodibromomethane	80	80		0.15	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
Chloroethane	230	900		21000	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
Chloroform	80	80		0.19	5 U	1 U	1 U	50 U	25 U	2 U		0.87 J	100 U	50 U				25 U
Chloromethane	30	30		190	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
cis-1,2-Dichloroethene	70	70	70	370	5 U	2.5	1 U	300	340	2 U		0.45 J	770	300				390

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Table A-2
Groundwater Quality Analyses Summary
June 2009 Key Well Sampling Event
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-2 6/24/2009	MW-5 6/18/2009	MW-6 6/16/2009	MW-7 7/7/2009	MW-10 6/30/2009	MW-12 6/23/2009	MW-16S 7/9/2009	MW-17 6/19/2009	MW-18D 7/9/2009	MW-18S 7/9/2009	MW-20D 6/16/2009	MW-20D Dup 6/16/2009	MW-20M 6/19/2009	MW-32D 7/14/2009
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
Ethylbenzene	700	700	700	1.5	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
Methyl tert-butyl ether	20	20		12	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
Methylene chloride	5	5		4.8	5 U	1 U	1 U	54 B	8.4 J	2 U		1 U	100 U	50 U				25 U
Styrene	100	100	100	1600	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
Tetrachloroethene	5	5	5	0.11	94	1 U	1 U	270	25 U	2.1		0.51 J	100 U	50 U				26
Toluene	1000	1000	1000	2300	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
trans-1,2-Dichloroethene	100	100	100	110	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	1 U	1 U	50 U	25 U	2 U		1 U	100 U	50 U				25 U
Trichloroethene	5	5	5	1.7	16	0.62 J	1 U	750	170	50		30	1800	670				590
Vinyl Chloride	2	2	2	0.016	5 U	1 U	1 U	50 U	12 J	2 U		1 U	24 J	50 U				38
Xylenes (Total)	10000	10000	10000	200	15 U	3 U	3 U	150 U	75 U	6 U		3 U	300 U	150 U				75 U

Note
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E= Inorganics: matrix interference.

Table A-2
Groundwater Quality Analyses Summary
June 2009 Key Well Sampling Event
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-32S 7/6/2009	MW-34D 6/25/2009	MW-34S 6/16/2009	MW-35D 6/25/2009	MW-37D 7/13/2009	MW-37S 7/1/2009	MW-38D 6/18/2009	MW-39D 6/29/2009	MW-39S 6/22/2009	MW-40D 6/19/2009	MW-40S 6/15/2009	MW-43D 6/26/2009	MW-43S 6/16/2009	MW-47 7/15/2009	MW-49D 7/13/2009
1,4-Dioxane																			
1,4-Dioxane	5.6	24		6.1															
Cyanide, Free																			
Cyanide, Free	200	200	200	730															
Cyanide, Total																			
Cyanide, Total	200	200		730															
METAL																			
Antimony	6	6	6	15															
Arsenic	10	10	10	0.045															
Beryllium	4	4	4	73															
Cadmium	5	5	5	18															
Chromium	100	100	100		17.3													4470	
Hexavalent Chromium	100	100		110	50 U													5100	
Lead	5	5	15												62		1		
Mercury	2	2	2	0.57															
Nickel	100	100		730															
METAL (Dissolved)																			
Antimony	6	6	6	15															
Arsenic	10	10	10	0.045															
Beryllium	4	4	4	73															
Cadmium	5	5	5	18															
Chromium	100	100	100		16.2													4440	
Hexavalent Chromium	100	100		110	50 U													4400	
Lead	5	5	15												0.02 B		1 U		
Mercury	2	2	2	0.57															
Nickel	100	100		730															
TOTAL VOC																			
					376	245.8	24.2	215.9	9832	154.9	75.84	278	98.7	0.83	0	310.9	0	453.5	20030
VOC																			
1,1,1,2-Tetrachloroethane	70	70		0.52	15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
1,1,1-Trichloroethane	200	200	200	9100	90	2.6 J	1 U	5 U	710	8.3 J	0.64 J	10 U	2 U	1 U	1 U	20 U	1 U	10 U	4900
1,1,2,2-Tetrachloroethane	0.3	0.3		0.067	15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
1,1,2-Trichloroethane	5	5	5	0.24	15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
1,1-Dichloroethane	27	110		2.4	10 J	5 U	1 U	1.9 J	200 U	10 U	1.3 J	10 U	2 U	1 U	1 U	20 U	1 U	10 U	1600
1,1-Dichloroethene	7	7	7	340	16	4.2 J	0.3 J	3.1 J	72 J	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	11	640
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
1,2-Dichloroethane	5	5	5	0.15	15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
1,2-Dichloropropane	5	5	5	0.39	15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
1,4-Dioxane	5.6	24		6.1	3000 U	1000 U	200 U	1000 U	40000 U	2000 U	400 U	2000 U	400 U	200 U	200 U	4000 U	200 U	2000 U	80000 U
2-Butanone	4000	4000		7100	150 U	50 U	10 U	50 U	2000 U	100 U	20 U	100 U	20 U	10 U	10 U	200 U	10 U	100 U	4000 U
2-Hexanone					150 U	50 U	10 U	50 U	2000 U	100 U	20 U	100 U	20 U	10 U	10 U	200 U	10 U	100 U	4000 U
4-Methyl-2-Pentanone	190	410		2000	150 U	50 U	10 U	50 U	2000 U	100 U	20 U	100 U	20 U	10 U	10 U	200 U	10 U	100 U	4000 U
Acetone	3700	10000		22000	150 U	50 U	10 U	50 U	2000 U	100 U	20 U	100 U	20 U	10 U	10 U	200 U	10 U	100 U	4000 U
Acrylonitrile	0.63	2.7		0.045	300 U	100 U	20 U	100 U	4000 U	200 U	40 U	200 U	40 U	20 U	20 U	400 U	20 U	200 U	8000 U
Benzene	5	5	5	0.41	15 UJ	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
Bromochloromethane	90	90			15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
Bromodichloromethane	100	100		0.12	15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
Bromoform	80	80		8.5	15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
Bromomethane	10	10		8.7	15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
Carbon Disulfide	1900	4100		1000	15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
Carbon Tetrachloride	5	5	5	0.2	15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
Chlorobenzene	100	100	100	91	15 UJ	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
Chlorodibromomethane	80	80		0.15	15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
Chloroethane	230	900		21000	15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
Chloroform	80	80		0.19	15 U	5 U	3.5	2.3 J	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
Chloromethane	30	30		190	15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
cis-1,2-Dichloroethene	70	70	70	370	56	48	4	50	240	11	16	68	26	1 U	1 U	13 J	1 U	110	6800

Note
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Table A-2
Groundwater Quality Analyses Summary
June 2009 Key Well Sampling Event
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-32S 7/6/2009	MW-34D 6/25/2009	MW-34S 6/16/2009	MW-35D 6/25/2009	MW-37D 7/13/2009	MW-37S 7/1/2009	MW-38D 6/18/2009	MW-39D 6/29/2009	MW-39S 6/22/2009	MW-40D 6/19/2009	MW-40S 6/15/2009	MW-43D 6/26/2009	MW-43S 6/16/2009	MW-47 7/15/2009	MW-49D 7/13/2009
cis-1,3-Dichloropropene	6.6	26		0.43	15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
Ethylbenzene	700	700	700	1.5	15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
Methyl tert-butyl ether	20	20		12	15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
Methylene chloride	5	5		4.8	15 U	5 U	1 U	5 U	110 J	3.6 J B	2 U	10 U	2 U	1 U	1 U	20 U	1 U	2.5 J	230 J
Styrene	100	100	100	1600	15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
Tetrachloroethene	5	5	5	0.11	14 J	21	3.4	7.7	6400	120	1.9 J	10	5.7	1 U	1 U	7.9 J	1 U	70	660
Toluene	1000	1000	1000	2300	15 UJ	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
trans-1,2-Dichloroethene	100	100	100	110	15 U	5 U	1 U	0.9 J	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
trans-1,3-Dichloropropene	6.6	26		0.43	15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
Trichloroethene	5	5	5	1.7	190	170	13	150	2300	12	56	200	67	0.83 J	1 U	290	1 U	260	5200
Vinyl Chloride	2	2	2	0.016	15 U	5 U	1 U	5 U	200 U	10 U	2 U	10 U	2 U	1 U	1 U	20 U	1 U	10 U	400 U
Xylenes (Total)	10000	10000	10000	200	45 U	15 U	3 U	15 U	600 U	30 U	6 U	30 U	6 U	3 U	3 U	60 U	3 U	30 U	1200 U

Note
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Table A-2
Groundwater Quality Analyses Summary
June 2009 Key Well Sampling Event
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-49S 7/14/2009	MW-50D 7/14/2009	MW-50S 7/1/2009	MW-51D 7/7/2009	MW-51S 7/1/2009	MW-52 7/13/2009	MW-52 Dup 7/13/2009	MW-54 6/30/2009	MW-55 6/30/2009	MW-64D 7/6/2009	MW-64S 6/30/2009	MW-65D 6/22/2009	MW-66S 7/7/2009	MW-69 7/2/2009	MW-74D 6/25/2009
1,4-Dioxane																			
1,4-Dioxane	5.6	24		6.1	140							58							
Cyanide, Free																			
Cyanide, Free	200	200	200	730					6.6 B J				2.2 B J						
Cyanide, Total																			
Cyanide, Total	200	200		730					12				10 U						
METAL																			
Antimony	6	6	6	15															
Arsenic	10	10	10	0.045	5.8										0.45 B		1 U		
Beryllium	4	4	4	73															
Cadmium	5	5	5	18															
Chromium	100	100	100						304 J							17.3	11.9		
Hexavalent Chromium	100	100		110					410							50 U	50 UJ		
Lead	5	5	15		2.8		2 J			16.1	16.1		5.8 J		0.92 B J		0.82 B		
Mercury	2	2	2	0.57															
Nickel	100	100		730												10.2			
METAL (Dissolved)																			
Antimony	6	6	6	15															
Arsenic	10	10	10	0.045	4.3										1 U		1 U		
Beryllium	4	4	4	73															
Cadmium	5	5	5	18															
Chromium	100	100	100						301							6.2 J	6.2		
Hexavalent Chromium	100	100		110					400							50 U	50 U		
Lead	5	5	15		0.07 B		0.049 B J			0.12 B	0.079 B		0.037 B J		0.05 B J		0.17 B J		
Mercury	2	2	2	0.57															
Nickel	100	100		730												7.1			
TOTAL VOC																			
					8730	9433	223.2	51.36	2413	0	0	926	0	967	366	0	0	60.3	130.3
VOC																			
1,1,1,2-Tetrachloroethane	70	70		0.52	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
1,1,1-Trichloroethane	200	200	200	9100	850	160 J	10 U	1 U	37 J			50 U		50 U	15 U			5 U	1.6 J
1,1,2,2-Tetrachloroethane	0.3	0.3		0.067	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
1,1,2-Trichloroethane	5	5	5	0.24	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
1,1-Dichloroethane	27	110		2.4	800	860	1.9 J	0.55 J	75 U			17 J		50 U	15 U			5 U	5 U
1,1-Dichloroethene	7	7	7	340	390 J	360	3.2 J	2.3	59 J			100		50 U	15 U			5 U	2.3 J
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
1,2-Dichloroethane	5	5	5	0.15	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
1,2-Dichloropropane	5	5	5	0.39	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
1,4-Dioxane	5.6	24		6.1	80000 U	50000 U	2000 U	200 U	15000 U			10000 U		10000 U	3000 U			1000 U	1000 U
2-Butanone	4000	4000		7100	4000 U	2500 U	100 U	10 U	750 U			500 U		500 U	150 U			50 U	50 U
2-Hexanone					4000 U	2500 U	100 U	10 U	750 U			500 U		500 U	150 U			50 U	50 U
4-Methyl-2-Pentanone	190	410		2000	4000 U	2500 U	100 U	10 U	750 U			500 U		500 U	150 U			50 U	50 U
Acetone	3700	10000		22000	4000 U	2500 U	100 U	10 U	750 U			500 U		500 U	150 U			50 U	50 U
Acrylonitrile	0.63	2.7		0.045	8000 U	5000 U	200 U	20 U	1500 U			1000 U		1000 U	300 U			100 U	100 U
Benzene	5	5	5	0.41	400 U	250 U	10 U	1 U	75 U			50 U		50 UJ	15 U			5 U	5 U
Bromochloromethane	90	90			400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
Bromodichloromethane	100	100		0.12	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
Bromoform	80	80		8.5	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
Bromomethane	10	10		8.7	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
Carbon Disulfide	1900	4100		1000	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
Carbon Tetrachloride	5	5	5	0.2	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
Chlorobenzene	100	100	100	91	400 U	250 U	10 U	1 U	75 U			50 U		50 UJ	15 U			5 U	5 U
Chlorodibromomethane	80	80		0.15	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
Chloroethane	230	900		21000	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
Chloroform	80	80		0.19	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
Chloromethane	30	30		190	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
cis-1,2-Dichloroethene	70	70	70	370	4200	3600	110	15	460			140		50 U	15 U			54	52

Note
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B= Organics; blank contamination. Inorganics; estimated.
E= Inorganics: matrix interference.

Table A-2
Groundwater Quality Analyses Summary
June 2009 Key Well Sampling Event
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-49S 7/14/2009	MW-50D 7/14/2009	MW-50S 7/1/2009	MW-51D 7/7/2009	MW-51S 7/1/2009	MW-52 7/13/2009	MW-52 Dup 7/13/2009	MW-54 6/30/2009	MW-55 6/30/2009	MW-64D 7/6/2009	MW-64S 6/30/2009	MW-65D 6/22/2009	MW-66S 7/7/2009	MW-69 7/2/2009	MW-74D 6/25/2009
cis-1,3-Dichloropropene	6.6	26		0.43	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
Ethylbenzene	700	700	700	1.5	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
Methyl tert-butyl ether	20	20		12	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
Methylene chloride	5	5		4.8	400 U	250 U	3.2 J B	1 U	40 J B			20 J		17 J B	6 J			3 J	5 U
Styrene	100	100	100	1600	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
Tetrachloroethene	5	5	5	0.11	190 J	590	4.9 J	1.9	950			79		340	120			5 U	5.4
Toluene	1000	1000	1000	2300	400 U	250 U	10 U	0.29 J	75 U			50 U		50 UJ	15 U			5 U	5 U
trans-1,2-Dichloroethene	100	100	100	110	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
trans-1,3-Dichloropropene	6.6	26		0.43	400 U	250 U	10 U	1 U	75 U			50 U		50 U	15 U			5 U	5 U
Trichloroethene	5	5	5	1.7	2300	3800	100	31	840			570		610	240			3.3 J	69
Vinyl Chloride	2	2	2	0.016	400 U	63 J	10 U	0.32 J	27 J			50 U		50 U	15 U			5 U	5 U
Xylenes (Total)	10000	10000	10000	200	1200 U	750 U	30 U	3 U	220 U			150 U		150 U	45 U			15 U	15 U

Note
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B= Organics; blank contamination. Inorganics; estimated.
E= Inorganics: matrix interference.

Table A-2
Groundwater Quality Analyses Summary
June 2009 Key Well Sampling Event
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-74S 6/22/2009	MW-75D 7/13/2009	MW-75S 7/14/2009	MW-77 7/8/2009	MW-79 6/22/2009	MW-81D 7/13/2009	MW-81S 7/13/2009	MW-82 6/23/2009	MW-85 7/1/2009	MW-87 7/9/2009	MW-88 6/26/2009	MW-91 6/25/2009	MW-92 7/8/2009	MW-93D 6/26/2009	MW-93S 6/17/2009
1,4-Dioxane																			
1,4-Dioxane	5.6	24		6.1										19					
Cyanide, Free																			
Cyanide, Free	200	200	200	730					2.1 B J							3.3 B J	14		
Cyanide, Total																			
Cyanide, Total	200	200		730					10 U							25	13		
METAL																			
Antimony	6	6	6	15															
Arsenic	10	10	10	0.045															
Beryllium	4	4	4	73															
Cadmium	5	5	5	18															
Chromium	100	100	100																
Hexavalent Chromium	100	100		110															
Lead	5	5	15											0.52 B					
Mercury	2	2	2	0.57															
Nickel	100	100		730															
METAL (Dissolved)																			
Antimony	6	6	6	15															
Arsenic	10	10	10	0.045															
Beryllium	4	4	4	73															
Cadmium	5	5	5	18															
Chromium	100	100	100																
Hexavalent Chromium	100	100		110															
Lead	5	5	15											1 U					
Mercury	2	2	2	0.57															
Nickel	100	100		730															
TOTAL VOC																			
					86.21	4168	26600	2980	78.3	1243	3483	59.21	54.5	2646	532.1	141.9	289.1	483.5	7.17
VOC																			
1,1,1,2-Tetrachloroethane	70	70		0.52	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	32 J	7.7 J	10 U	10 U	9.8 J	1 U
1,1,2,2-Tetrachloroethane	0.3	0.3		0.067	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
1,1-Dichloroethane	27	110		2.4	0.68 J	200 U	2000 U	100 U	21	50 U	15 J	0.21 J	5 U	100 U	25 U	10 U	10 U	4.1 J	0.66 J
1,1-Dichloroethene	7	7	7	340	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	40 J	8.4 J	10 U	10 U	6.6 J	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
1,2-Dichloroethane	5	5	5	0.15	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
1,2-Dichloropropane	5	5	5	0.39	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
1,4-Dioxane	5.6	24		6.1	400 U	40000 U	400000 U	20000 U	800 U	10000 U	25000 U	200 U	1000 U	20000 U	5000 U	2000 U	2000 U	2500 U	200 U
2-Butanone	4000	4000		7100	20 U	2000 U	20000 U	1000 U	40 U	500 U	1200 U	10 U	50 U	1000 U	250 U	100 U	100 U	120 U	10 U
2-Hexanone					20 U	2000 U	20000 U	1000 U	40 U	500 U	1200 U	10 U	50 U	1000 U	250 U	100 U	100 U	120 U	10 U
4-Methyl-2-Pentanone	190	410		2000	20 U	2000 U	20000 U	1000 U	40 U	500 U	1200 U	10 U	50 U	1000 U	250 U	100 U	100 U	120 U	10 U
Acetone	3700	10000		22000	20 U	2000 U	20000 U	1000 U	40 U	500 U	1200 U	10 U	50 U	1000 U	250 U	100 U	100 U	120 U	10 U
Acrylonitrile	0.63	2.7		0.045	40 U	4000 U	40000 U	2000 U	80 U	1000 U	2500 U	20 U	100 U	2000 U	500 U	200 U	200 U	250 U	20 U
Benzene	5	5	5	0.41	2 U	200 U	2000 U	2000	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
Bromochloromethane	90	90			2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
Bromodichloromethane	100	100		0.12	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
Bromoform	80	80		8.5	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
Bromomethane	10	10		8.7	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
Carbon Disulfide	1900	4100		1000	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
Carbon Tetrachloride	5	5	5	0.2	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
Chlorobenzene	100	100	100	91	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
Chlorodibromomethane	80	80		0.15	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
Chloroethane	230	900		21000	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
Chloroform	80	80		0.19	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	0.41 J
Chloromethane	30	30		190	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
cis-1,2-Dichloroethene	70	70	70	370	27	68 J	2000 U	100 U	53	230	720	29	53	840	120	10 U	10 U	23	2.9

Note
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Table A-2
Groundwater Quality Analyses Summary
June 2009 Key Well Sampling Event
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-74S 6/22/2009	MW-75D 7/13/2009	MW-75S 7/14/2009	MW-77 7/8/2009	MW-79 6/22/2009	MW-81D 7/13/2009	MW-81S 7/13/2009	MW-82 6/23/2009	MW-85 7/1/2009	MW-87 7/9/2009	MW-88 6/26/2009	MW-91 6/25/2009	MW-92 7/8/2009	MW-93D 6/26/2009	MW-93S 6/17/2009
cis-1,3-Dichloropropene	6.6	26		0.43	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
Ethylbenzene	700	700	700	1.5	2 U	200 U	2000 U	110	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
Methyl tert-butyl ether	20	20		12	2 U	200 U	2000 U	610	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
Methylene chloride	5	5		4.8	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	1.5 J B	100 U	25 U	1.9 J	5.1 J	12 U	1 U
Styrene	100	100	100	1600	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
Tetrachloroethene	5	5	5	0.11	5.8	2900	20000	100 U	4 U	43 J	48 J	1.6	5 U	34 J	16 J	120	240	200	1.9
Toluene	1000	1000	1000	2300	2 U	200 U	2000 U	100	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	0.73 J	200 U	2000 U	100 U	1.6 J	50 U	120 U	1.4	5 U	100 U	25 U	10 U	10 U	12 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
Trichloroethene	5	5	5	1.7	52	1200	6600	100 U	2.7 J	970	2700	27	5 U	1700	380	20	44	240	1.3
Vinyl Chloride	2	2	2	0.016	2 U	200 U	2000 U	100 U	4 U	50 U	120 U	1 U	5 U	100 U	25 U	10 U	10 U	12 U	1 U
Xylenes (Total)	10000	10000	10000	200	6 U	600 U	6000 U	160 J	12 U	150 U	380 U	3 U	15 U	300 U	75 U	30 U	30 U	38 U	3 U

Note
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B= Organics; blank contamination. Inorganics; estimated.
E= Inorganics: matrix interference.

Table A-2
Groundwater Quality Analyses Summary
June 2009 Key Well Sampling Event
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-94 7/8/2009	MW-95 6/23/2009	MW-96D 7/6/2009	MW-96S 7/2/2009	MW-97 7/1/2009	MW-98D 6/17/2009	MW-98I 6/18/2009	MW-98S 6/17/2009	MW-99D 6/25/2009	MW-99S 6/26/2009	MW-100D 7/1/2009	MW-100I 6/30/2009	MW-100S 7/2/2009	MW-101D 6/23/2009
1,4-Dioxane																		
1,4-Dioxane	5.6	24		6.1														
Cyanide, Free																		
Cyanide, Free	200	200	200	730						2.4 B J	4.3 B J	3.1 B J						
Cyanide, Total																		
Cyanide, Total	200	200		730						10 U	7.3 B	9.9 B						
METAL																		
Antimony	6	6	6	15														
Arsenic	10	10	10	0.045	1 U													
Beryllium	4	4	4	73	1 U													
Cadmium	5	5	5	18														
Chromium	100	100	100		10.4 J													
Hexavalent Chromium	100	100		110	50 U													
Lead	5	5	15		0.36 B													
Mercury	2	2	2	0.57														
Nickel	100	100		730	5.9													
METAL (Dissolved)																		
Antimony	6	6	6	15														
Arsenic	10	10	10	0.045	1 U													
Beryllium	4	4	4	73	1 U													
Cadmium	5	5	5	18														
Chromium	100	100	100		4.3													
Hexavalent Chromium	100	100		110	50 U													
Lead	5	5	15		0.14 B													
Mercury	2	2	2	0.57														
Nickel	100	100		730	3.5													
TOTAL VOC																		
					311.2	56.79	378	1620	631.1	0.17	35.16	15.59	111.3	165.3	328.1	353	225.6	48.14
VOC																		
1,1,1,2-Tetrachloroethane	70	70		0.52	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	10 U	1 U	25 U	50 U	25 U	1 U	0.39 J	1 U	2.9 J	3.6 J	4.2 J	3.9 J	3 J	1 U
1,1,2,2-Tetrachloroethane	0.3	0.3		0.067	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
1,1-Dichloroethane	27	110		2.4	10 U	0.39 J	25 U	50 U	5.1 J	1 U	0.38 J	0.19 J	5 U	5 U	2.3 J	1.6 J	10 U	0.48 J
1,1-Dichloroethene	7	7	7	340	10 U	1 U	25 U	50 U	25 U	1 U	0.39 J	1 U	3.1 J	2.7 J	5.4 J	4.2 J	3.6 J	0.56 J
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
1,2-Dichloroethane	5	5	5	0.15	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
1,2-Dichloropropane	5	5	5	0.39	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
1,4-Dioxane	5.6	24		6.1	2000 U	200 U	5000 U	10000 U	5000 U	200 U	200 U	200 U	1000 U	1000 U	2000 U	2000 U	2000 U	200 U
2-Butanone	4000	4000		7100	100 U	10 U	250 U	500 U	250 U	10 U	10 U	10 U	50 U	50 U	100 U	100 U	100 U	10 U
2-Hexanone					100 U	10 U	250 U	500 U	250 U	10 U	10 U	10 U	50 U	50 U	100 U	100 U	100 U	10 U
4-Methyl-2-Pentanone	190	410		2000	100 U	10 U	250 U	500 U	250 U	10 U	10 U	10 U	50 U	50 U	100 U	100 U	100 U	10 U
Acetone	3700	10000		22000	100 U	10 U	250 U	500 U	250 U	10 U	10 U	10 U	50 U	50 U	100 U	100 U	100 U	10 U
Acrylonitrile	0.63	2.7		0.045	200 U	20 U	500 U	1000 U	500 U	20 U	20 U	20 U	100 U	100 U	200 U	200 U	200 U	20 U
Benzene	5	5	5	0.41	10 U	1 U	25 UJ	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
Bromochloromethane	90	90			10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
Bromodichloromethane	100	100		0.12	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
Bromoform	80	80		8.5	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
Bromomethane	10	10		8.7	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
Carbon Disulfide	1900	4100		1000	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
Carbon Tetrachloride	5	5	5	0.2	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
Chlorobenzene	100	100	100	91	10 U	1 U	25 UJ	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
Chlorodibromomethane	80	80		0.15	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
Chloroethane	230	900		21000	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
Chloroform	80	80		0.19	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1.1
Chloromethane	30	30		190	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
cis-1,2-Dichloroethene	70	70	70	370	180	19	46	53	240	1 U	6.7	1.8	11	28	69	49	40	16

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B= Organics; blank contamination. Inorganics; estimated.
E= Inorganics: matrix interference.

Table A-2
Groundwater Quality Analyses Summary
June 2009 Key Well Sampling Event
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-94 7/8/2009	MW-95 6/23/2009	MW-96D 7/6/2009	MW-96S 7/2/2009	MW-97 7/1/2009	MW-98D 6/17/2009	MW-98I 6/18/2009	MW-98S 6/17/2009	MW-99D 6/25/2009	MW-99S 6/26/2009	MW-100D 7/1/2009	MW-100I 6/30/2009	MW-100S 7/2/2009	MW-101D 6/23/2009
cis-1,3-Dichloropropene	6.6	26		0.43	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
Ethylbenzene	700	700	700	1.5	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
Methyl tert-butyl ether	20	20		12	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
Methylene chloride	5	5		4.8	2.5 J	1 U	25 U	17 J B	16 J	1 U	1 U	1 U	5 U	5 U	3.2 J B	4.3 J	4 J	1 U
Styrene	100	100	100	1600	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
Tetrachloroethene	5	5	5	0.11	5.8 J	3.2	22 J	450	20 J	1 U	5.3	2.6	8.3	11	94	110	65	6
Toluene	1000	1000	1000	2300	10 U	1 U	25 UJ	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	2.9 J	0.2 J	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
Trichloroethene	5	5	5	1.7	120	34	310	1100	350	0.17 J	22	11	86	120	150	180	110	24
Vinyl Chloride	2	2	2	0.016	10 U	1 U	25 U	50 U	25 U	1 U	1 U	1 U	5 U	5 U	10 U	10 U	10 U	1 U
Xylenes (Total)	10000	10000	10000	200	30 U	3 U	75 U	150 U	75 U	3 U	3 U	3 U	15 U	15 U	30 U	30 U	30 U	3 U

Note
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Table A-2
Groundwater Quality Analyses Summary
June 2009 Key Well Sampling Event
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-101D Dup 6/23/2009	MW-101S 6/18/2009	MW-102D 7/2/2009	MW-102D Dup 7/2/2009	MW-102S 6/24/2009	MW-103D 6/23/2009	MW-103S 6/29/2009	MW-104 6/24/2009	MW-105 7/9/2009	MW-106 6/24/2009	MW-107 6/24/2009	MW-108D 6/17/2009	MW-108S 6/22/2009
1,4-Dioxane																	
1,4-Dioxane	5.6	24		6.1													
Cyanide, Free																	
Cyanide, Free	200	200	200	730													
Cyanide, Total																	
Cyanide, Total	200	200		730													
METAL																	
Antimony	6	6	6	15													
Arsenic	10	10	10	0.045													1 U
Beryllium	4	4	4	73													0.19 B
Cadmium	5	5	5	18													1 U
Chromium	100	100	100														
Hexavalent Chromium	100	100		110													
Lead	5	5	15									0.87 B					1.2
Mercury	2	2	2	0.57													
Nickel	100	100		730													5.7
METAL (Dissolved)																	
Antimony	6	6	6	15													
Arsenic	10	10	10	0.045													1 U
Beryllium	4	4	4	73													0.21 B
Cadmium	5	5	5	18													1 U
Chromium	100	100	100														
Hexavalent Chromium	100	100		110													
Lead	5	5	15									1 U					1 U
Mercury	2	2	2	0.57													
Nickel	100	100		730													4.3
TOTAL VOC																	
					33.5	29.91	151.3	130.8	321.79	135.5	336.9	63.88	1623	141.3	38.37	1.68	4.38
VOC																	
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	0.46 J	10 U	10 U	97	5 U	5.1 J	1 U	23 J	1.7 J	2.3	1 U	1 U
1,1,2,2-Tetrachloroethane	0.3	0.3		0.067	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
1,1-Dichloroethane	27	110		2.4	0.3 J	1 U	10 U	10 U	17	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	0.35 J	10 U	10 U	62	5 U	10 U	1 U	50 U	5 U	0.55 J	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
1,4-Dioxane	5.6	24		6.1	200 U	200 U	2000 U	2000 U	600 U	1000 U	2000 U	200 U	10000 U	1000 U	200 U	200 U	200 U
2-Butanone	4000	4000		7100	10 U	10 U	100 U	100 U	30 U	50 U	100 U	10 U	500 U	50 U	10 U	10 U	1.1 J
2-Hexanone					10 U	10 U	100 U	100 U	30 U	50 U	100 U	10 U	500 U	50 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	190	410		2000	10 U	10 U	100 U	100 U	30 U	50 U	100 U	10 U	500 U	50 U	10 U	10 U	10 U
Acetone	3700	10000		22000	10 U	10 U	100 U	100 U	30 U	50 U	100 U	10 U	500 U	50 U	10 U	10 U	3.1 J
Acrylonitrile	0.63	2.7		0.045	20 U	20 U	200 U	200 U	60 U	100 U	200 U	20 U	1000 U	100 U	20 U	20 U	20 U
Benzene	5	5	5	0.41	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
Bromochloromethane	90	90			1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
Bromodichloromethane	100	100		0.12	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
Bromoform	80	80		8.5	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
Carbon Disulfide	1900	4100		1000	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
Carbon Tetrachloride	5	5	5	0.2	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
Chloroethane	230	900		21000	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
Chloroform	80	80		0.19	0.9 J	0.9 J	10 U	10 U	3 U	5 U	10 U	0.91 J	50 U	5 U	0.42 J	0.39 J	1 U
Chloromethane	30	30		190	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	370	12	3.5	7.6 J	8.5 J	36	3.5 J	10	1.5	120	18	4.1	1 U	1 U

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Table A-2
Groundwater Quality Analyses Summary
June 2009 Key Well Sampling Event
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-101D Dup 6/23/2009	MW-101S 6/18/2009	MW-102D 7/2/2009	MW-102D Dup 7/2/2009	MW-102S 6/24/2009	MW-103D 6/23/2009	MW-103S 6/29/2009	MW-104 6/24/2009	MW-105 7/9/2009	MW-106 6/24/2009	MW-107 6/24/2009	MW-108D 6/17/2009	MW-108S 6/22/2009
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
Methylene chloride	5	5		4.8	1 U	1 U	6.6 J	3.2 J B	0.79 J	5 U	2.8 J	0.57 J	50 U	1.6 J	1 U	1 U	1 U
Styrene	100	100	100	1600	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	0.11	4.3	3.7	7.1 J	9.1 J	27	12	39	7.9	1200	10	15	0.55 J	1 U
Toluene	1000	1000	1000	2300	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	0.18 J
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
Trichloroethene	5	5	5	1.7	16	21	130	110	82	120	280	53	280	110	16	0.74 J	1 U
Vinyl Chloride	2	2	2	0.016	1 U	1 U	10 U	10 U	3 U	5 U	10 U	1 U	50 U	5 U	1 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200	3 U	3 U	30 U	30 U	9 U	15 U	30 U	3 U	150 U	15 U	3 U	3 U	3 U

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Table A-2
Groundwater Quality Analyses Summary
June 2009 Key Well Sampling Event
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-109D 6/23/2009	MW-109S 6/26/2009	MW-110 6/24/2009	MW-111 6/29/2009	MW-112 6/19/2009	MW-113 7/6/2009	MW-114 7/15/2009	MW-115 6/30/2009	MW-116 7/8/2009	MW-117 6/23/2009	RW-2 7/16/2009	RW-4 Folk 6/18/2009	RW-5 7/8/2009
1,4-Dioxane																	
1,4-Dioxane	5.6	24		6.1									5.6	1			
Cyanide, Free																	
Cyanide, Free	200	200	200	730				1.8 B J						26 J		2.3 B J	
Cyanide, Total																	
Cyanide, Total	200	200		730				10 U						31		10 U	
METAL																	
Antimony	6	6	6	15													
Arsenic	10	10	10	0.045						1.0 U		5.8					
Beryllium	4	4	4	73													
Cadmium	5	5	5	18													
Chromium	100	100	100														
Hexavalent Chromium	100	100		110													
Lead	5	5	15							0.27 B		5.6 J				6.1 J	
Mercury	2	2	2	0.57						0.20 U							
Nickel	100	100		730													
METAL (Dissolved)																	
Antimony	6	6	6	15													
Arsenic	10	10	10	0.045						1.0 U		5.4					
Beryllium	4	4	4	73													
Cadmium	5	5	5	18													
Chromium	100	100	100														
Hexavalent Chromium	100	100		110													
Lead	5	5	15							1.0 U		0.021 B J				2.3 J	
Mercury	2	2	2	0.57						0.2 U							
Nickel	100	100		730													
TOTAL VOC																	
					219	381	164.1	7.27	9.94	1850	7670	554.5	540.9	39.44	5.38	0.18	2.93
VOC																	
1,1,1,2-Tetrachloroethane	70	70		0.52	5 U	10 U	5 U	1 U	1 U	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	5 U	10 U	5 U	1 U	1 U	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.3	0.3		0.067	5 U	10 U	5 U	1 U	1 U	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	5 U	10 U	5 U	1 U	1 U	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	27	110		2.4	5 U	10 U	5 U	1 U	1 U	100 U	200 U	130	4.9 J	0.39 J	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	5 U	10 U	5 U	1 U	1 U	34 J	200 U	17	25 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	5 U	10 U	5 U	1 U	1 U	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	5 U	10 U	5 U	1 U	1 U	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	5	5	5	0.39	5 U	10 U	5 U	1 U	1 U	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
1,4-Dioxane	5.6	24		6.1	1000 U	2000 U	1000 U	200 U	200 U	20000 U	40000 U	3000 U	5000 U	200 U	200 U	200 U	200 U
2-Butanone	4000	4000		7100	50 U	100 U	50 U	10 U	10 U	1000 U	2000 U	150 U	250 U	10 U	10 U	10 U	10 U
2-Hexanone					50 U	100 U	50 U	10 U	10 U	1000 U	2000 U	150 U	250 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	190	410		2000	50 U	100 U	50 U	10 U	10 U	1000 U	2000 U	150 U	250 U	10 U	10 U	10 U	10 U
Acetone	3700	10000		22000	50 U	100 U	50 U	10 U	10 U	1000 U	2000 U	150 U	250 U	10 U	10 U	10 U	10 U
Acrylonitrile	0.63	2.7		0.045	100 U	200 U	100 U	20 U	20 U	2000 U	4000 U	300 U	500 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.41	100	200	5 U	1 U	1 U	100 UJ	200 U	15 U	25 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90			5 U	10 U	5 U	1 U	1 U	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
Bromodichloromethane	100	100		0.12	5 U	10 U	5 U	1 U	0.59 J	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
Bromoform	80	80		8.5	5 U	10 U	5 U	1 U	1 U	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
Bromomethane	10	10		8.7	5 U	10 U	5 U	1 U	1 U	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1900	4100		1000	5 U	10 U	5 U	1 U	1 U	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	5	5	0.2	5 U	10 U	5 U	1 U	1 U	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	5 U	10 U	5 U	1 U	1 U	100 UJ	200 U	15 U	25 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	5 U	10 U	5 U	1 U	1 U	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
Chloroethane	230	900		21000	5 U	10 U	5 U	1 U	1 U	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.19	5 U	10 U	1.1 J	1 U	2.9	100 U	200 U	15 U	25 U	0.65 J	1.3	0.18 J	1 U
Chloromethane	30	30		190	5 U	10 U	5 U	1 U	1 U	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	370	5 U	10 U	5 U	1.1	0.25 J	660	2400	290	370	12	1 U	1 U	1.4

Note
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U= Not detected.
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Table A-2
Groundwater Quality Analyses Summary
June 2009 Key Well Sampling Event
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	MW-109D 6/23/2009	MW-109S 6/26/2009	MW-110 6/24/2009	MW-111 6/29/2009	MW-112 6/19/2009	MW-113 7/6/2009	MW-114 7/15/2009	MW-115 6/30/2009	MW-116 7/8/2009	MW-117 6/23/2009	RW-2 7/16/2009	RW-4 Folk 6/18/2009	RW-5 7/8/2009
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	10 U	5 U	1 U	1 U	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	10	25	5 U	1 U	1 U	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12	27	26	5 U	1 U	1 U	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5		4.8	5 U	10 U	1 J	1 U	1 U	36 J B	100 J	15 U	8 J	1 U	1 U	1 U	1 U
Styrene	100	100	100	1600	5 U	10 U	5 U	1 U	1 U	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	5	5	0.11	5 U	10 U	63	0.66 J	1 U	20 J	970	4.8 J	39	4.4	0.18 J	1 U	0.23 J
Toluene	1000	1000	1000	2300	5 U	10 U	5 U	1 U	1 U	100 UJ	200 U	15 U	25 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110	5 U	10 U	5 U	1 U	1 U	100 U	200 U	3.5 J	25 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	10 U	5 U	1 U	1 U	100 U	200 U	15 U	25 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	1.7	5 U	10 U	99	4.9	6.2	1100	4200	9.2 J	100	22	3.9	1 U	1.3
Vinyl Chloride	2	2	2	0.016	5 U	10 U	5 U	1 U	1 U	100 U	200 U	100	19 J	1 U	1 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	200	82	130	15 U	0.61 J	3 U	300 U	600 U	45 U	75 U	3 U	3 U	3 U	3 U

Note
Blank results indicate analyte was not analyzed for.
U= Not detected.
J= Organics; estimated. Inorganics; blank contamination.
B= Organics; blank contamination. Inorganics; estimated.
E= Inorganics: matrix interference.

Table A-2
Groundwater Quality Analyses Summary
June 2009 Key Well Sampling Event
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	Spring at Bldg 14 S1 6/24/2009	Spring at Bldg 14 S2 6/24/2009	TATE (S-6) 6/26/2009	HERMAN (S-7) 6/26/2009
1,4-Dioxane								
1,4-Dioxane	5.6	24		6.1				
Cyanide, Free								
Cyanide, Free	200	200	200	730			2.3 B J	1.8 B J
Cyanide, Total								
Cyanide, Total	200	200		730			10 U	10 U
METAL								
Antimony	6	6	6	15	15.4 J			
Arsenic	10	10	10	0.045				
Beryllium	4	4	4	73				
Cadmium	5	5	5	18				
Chromium	100	100	100					
Hexavalent Chromium	100	100		110				
Lead	5	5	15		30.4	0.033 B		
Mercury	2	2	2	0.57				
Nickel	100	100		730				
METAL (Dissolved)								
Antimony	6	6	6	15	15.2			
Arsenic	10	10	10	0.045				
Beryllium	4	4	4	73				
Cadmium	5	5	5	18				
Chromium	100	100	100					
Hexavalent Chromium	100	100		110				
Lead	5	5	15		1.3	0.81 B		
Mercury	2	2	2	0.57				
Nickel	100	100		730				
TOTAL VOC								
					0	0	0.91	0.84
VOC								
1,1,1,2-Tetrachloroethane	70	70		0.52			1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100			1 U	1 U
1,1,2,2-Tetrachloroethane	0.3	0.3		0.067			1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24			1 U	1 U
1,1-Dichloroethane	27	110		2.4			1 U	1 U
1,1-Dichloroethene	7	7	7	340			1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065			1 U	1 U
1,2-Dichloroethane	5	5	5	0.15			1 U	1 U
1,2-Dichloropropane	5	5	5	0.39			1 U	1 U
1,4-Dioxane	5.6	24		6.1			200 U	200 U
2-Butanone	4000	4000		7100			10 U	10 U
2-Hexanone							10 U	10 U
4-Methyl-2-Pentanone	190	410		2000			10 U	10 U
Acetone	3700	10000		22000			10 U	10 U
Acrylonitrile	0.63	2.7		0.045			20 U	20 U
Benzene	5	5	5	0.41			1 U	1 U
Bromochloromethane	90	90					1 U	1 U
Bromodichloromethane	100	100		0.12			1 U	1 U
Bromoform	80	80		8.5			1 U	1 U
Bromomethane	10	10		8.7			1 U	1 U
Carbon Disulfide	1900	4100		1000			1 U	1 U
Carbon Tetrachloride	5	5	5	0.2			1 U	1 U
Chlorobenzene	100	100	100	91			1 U	1 U
Chlorodibromomethane	80	80		0.15			1 U	1 U
Chloroethane	230	900		21000			1 U	1 U
Chloroform	80	80		0.19			0.91 J	0.84 J
Chloromethane	30	30		190			1 U	1 U
cis-1,2-Dichloroethene	70	70	70	370			1 U	1 U

Note
Blank results indicate analyte was not analyzed for.
U= Not detected.
J= Organics; estimated. Inorganics; blank contamination.
B= Organics; blank contamination. Inorganics; estimated.
E= Inorganics: matrix interference.

Table A-2
Groundwater Quality Analyses Summary
June 2009 Key Well Sampling Event
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	Spring at Bldg 14 S1 6/24/2009	Spring at Bldg 14 S2 6/24/2009	TATE (S-6) 6/26/2009	HERMAN (S-7) 6/26/2009
cis-1,3-Dichloropropene	6.6	26		0.43			1 U	1 U
Ethylbenzene	700	700	700	1.5			1 U	1 U
Methyl tert-butyl ether	20	20		12			1 U	1 U
Methylene chloride	5	5		4.8			1 U	1 U
Styrene	100	100	100	1600			1 U	1 U
Tetrachloroethene	5	5	5	0.11			1 U	1 U
Toluene	1000	1000	1000	2300			1 U	1 U
trans-1,2-Dichloroethene	100	100	100	110			1 U	1 U
trans-1,3-Dichloropropene	6.6	26		0.43			1 U	1 U
Trichloroethene	5	5	5	1.7			1 U	1 U
Vinyl Chloride	2	2	2	0.016			1 U	1 U
Xylenes (Total)	10000	10000	10000	200			3 U	3 U

Note
Blank results indicate analyte was not analyzed for.
U= Not detected.
J= Organics; estimated. Inorganics; blank contamination.
B= Organics; blank contamination. Inorganics; estimated.
E= Inorganics: matrix interference.

Table A-3
Groundwater Data Summary - VOC Analyses
2009 Collection Well Sampling Summary
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-1 6/15/2009	CW-1 12/16/2009	CW-1A 6/15/2009	CW-1A 12/16/2009	CW-2 6/15/2009	CW-2 2/3/2010	CW-3 6/15/2009	CW-3 12/16/2009	CW-4 6/15/2009	CW-4 12/16/2009	CW-5 6/15/2009	CW-5 12/16/2009	CW-6 6/16/2009
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	70	70		0.52	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
1,1,1-Trichloroethane	200	200	200	9100	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
1,1,2,2-Tetrachloroethane	0.3	0.3		0.067	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
1,1,2-Trichloroethane	5	5	5	0.24	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
1,1-Dichloroethane	27	110		2.4	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
1,1-Dichloroethene	7	7	7	340	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
1,2-Dichloroethane	5	5	5	0.15	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
1,2-Dichloropropane	5	5	5	0.39	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
1,4-Dioxane	5.6	24		6.1	400 U	400 U	400 U	200 U	200 U	200 U	200 U	200 U	600 U	400 U	200 U	200 U	400 U
2-Butanone	4000	4000		7100	20 U	20 U	20 U	10 U	10 U	10 U	10 U	10 U	30 U	20 U	10 U	10 U	20 U
2-Hexanone					20 U	20 U	20 U	10 U	10 U	10 U	10 U	10 U	30 U	20 U	10 U	10 U	20 U
4-Methyl-2-Pentanone	190	410		2000	20 U	20 U	20 U	10 U	10 U	10 U	10 U	10 U	30 U	20 U	10 U	10 U	20 U
Acetone	3700	10000		22000	20 U	20 U	20 U	10 U	10 U	10 U	10 U	10 U	30 U	20 U	10 U	10 U	20 U
Acrylonitrile	0.63	2.7		0.045	40 U	40 U	40 U	20 U	20 U	20 U	20 U	20 U	60 U	40 U	20 U	20 U	40 U
Benzene	5	5	5	0.41	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
Bromochloromethane	90	90			2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
Bromodichloromethane	100	100		0.12	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
Bromoform	80	80		8.5	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
Bromomethane	10	10		8.7	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
Carbon Disulfide	1900	4100		1000	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
Carbon Tetrachloride	5	5	5	0.2	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
Chlorobenzene	100	100	100	91	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
Chlorodibromomethane	80	80		0.15	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
Chloroethane	230	900		21000	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
Chloroform	80	80		0.19	2 U	2 U	2 U	0.19 J	1 U	1 U	1 U	1 U	3 U	2 U	0.22 J	1 U	2 U
Chloromethane	30	30		190	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
cis-1,2-Dichloroethene	70	70	70	370	12	9.4	0.83 J	0.5 J	3.8	5	27	28	28	27	3.6	1.5	30
cis-1,3-Dichloropropene	6.6	26		0.43	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
Ethylbenzene	700	700	700	1.5	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
Methyl tert-butyl ether	20	20		12	2 U	2 U	2 U	1 U	1 U	0.22 J	1 U	1 U	3 U	2 U	1 U	1 U	2 U
Methylene chloride	5	5		4.8	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	0.72 J B
Styrene	100	100	100	1600	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
Tetrachloroethene	5	5	5	0.11	2 U	2 U	0.75 J	0.57 J	0.46 J	0.44 J	1.4	2.1	5.8	4.9	3.2	4	64
Toluene	1000	1000	1000	2300	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
trans-1,2-Dichloroethene	100	100	100	110	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
trans-1,3-Dichloropropene	6.6	26		0.43	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
Trichloroethene	5	5	5	1.7	66	41	51	33	19	26	22	24	72	58	3.8	2.7	18
Vinyl Chloride	2	2	2	0.016	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	3 U	2 U	1 U	1 U	2 U
Xylenes (Total)	10000	10000	10000	200	6 U	6 U	6 U	3 U	3 U	3 U	3 U	3 U	9 U	6 U	3 U	3 U	6 U

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table A-3
Groundwater Data Summary - VOC Analyses
2009 Collection Well Sampling Summary
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-6 1/13/2010	CW-7 6/16/2009	CW-7 12/16/2009	CW-7A 6/16/2009	CW-7A 12/16/2009	CW-8 6/16/2009	CW-8 1/13/2010	CW-9 6/15/2009	CW-9 12/16/2009	CW-13 6/15/2009	CW-13 12/16/2009	CW-15A 6/15/2009
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U	10 U	10 U	11	20	66	31	14 J	10 J	6300
1,1,2,2-Tetrachloroethane	0.3	0.3		0.067	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
1,1-Dichloroethane	27	110		2.4	1 U	1 U	1 U	10 U	10 U	2.9 J	20 U	6.9 J	25 U	25 U	25 U	110 J
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U	10 U	10 U	7.9 J	16 J	16 J	8.3 J	12 J	8.6 J	1500
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
1,4-Dioxane	5.6	24		6.1	200 U	200 U	200 U	2000 U	2000 U	2000 U	4000 U	5000 U	5000 U	5000 U	5000 U	50000 U
2-Butanone	4000	4000		7100	10 U	10 U	10 U	100 U	100 U	100 U	200 U	250 U	250 U	250 U	250 U	2500 U
2-Hexanone					10 U	10 U	10 U	100 U	100 U	100 U	200 U	250 U	250 U	250 U	250 U	2500 U
4-Methyl-2-Pentanone	190	410		2000	10 U	10 U	10 U	100 U	100 U	100 U	200 U	250 U	250 U	250 U	250 U	2500 U
Acetone	3700	10000		22000	3.2 J	10 U	10 U	100 U	100 U	100 U	200 U	250 U	250 U	250 U	250 U	2500 U
Acrylonitrile	0.63	2.7		0.045	20 U	20 U	20 U	200 U	200 U	200 U	400 U	500 U	500 U	500 U	500 U	5000 U
Benzene	5	5	5	0.41	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
Bromochloromethane	90	90			1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
Bromodichloromethane	100	100		0.12	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
Bromoform	80	80		8.5	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
Bromomethane	10	10		8.7	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
Carbon Disulfide	1900	4100		1000	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
Carbon Tetrachloride	5	5	5	0.2	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
Chlorobenzene	100	100	100	91	1 UJ	1 U	1 U	10 U	10 U	10 U	20 UJ	25 U	25 U	25 U	25 U	250 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
Chloroethane	230	900		21000	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
Chloroform	80	80		0.19	1 U	0.67 J	1	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
Chloromethane	30	30		190	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
cis-1,2-Dichloroethene	70	70	70	370	19	0.29 J	0.26 J	10 U	10 U	95	170	94	57	500	430	5600
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
Methyl tert-butyl ether	20	20		12	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
Methylene chloride	5	5		4.8	1 U	1 U	1 U	5.5 J B	10 U	4.5 J B	20 U	11 J	25 U	8.8 J	25 U	250 U
Styrene	100	100	100	1600	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
Tetrachloroethene	5	5	5	0.11	32	0.19 J	1 U	3.6 J	3.8 J	21	36	950	540	220	160	1600
Toluene	1000	1000	1000	2300	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
trans-1,2-Dichloroethene	100	100	100	110	0.2 J	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	25 U	25 U	250 U
Trichloroethene	5	5	5	1.7	7.9 J	7.4	7.6	180	190	260	540 J	560	340	600	420	4800
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U	10 U	10 U	10 U	20 U	25 U	25 U	16 J	12 J	250 U
Xylenes (Total)	10000	10000	10000	200	3 U	3 U	3 U	30 U	30 U	30 U	60 U	75 U	75 U	75 U	75 U	750 U

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table A-3
Groundwater Data Summary - VOC Analyses
2009 Collection Well Sampling Summary
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-15A 12/16/2009	CW-17 6/15/2009	CW-17 2/3/2010
Volatile Organic Compound							
1,1,1,2-Tetrachloroethane	70	70		0.52	250 U	10 U	10 U
1,1,1-Trichloroethane	200	200	200	9100	3700	11	13
1,1,2,2-Tetrachloroethane	0.3	0.3		0.067	250 U	10 U	10 U
1,1,2-Trichloroethane	5	5	5	0.24	250 U	10 U	10 U
1,1-Dichloroethane	27	110		2.4	81 J	3.2 J	6.3 J
1,1-Dichloroethene	7	7	7	340	890	10 U	8.8 J
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	250 U	10 U	10 U
1,2-Dichloroethane	5	5	5	0.15	250 U	10 U	10 U
1,2-Dichloropropane	5	5	5	0.39	250 U	10 U	10 U
1,4-Dioxane	5.6	24		6.1	50000 U	2000 U	2000 U
2-Butanone	4000	4000		7100	2500 U	100 U	100 U
2-Hexanone					2500 U	100 U	100 U
4-Methyl-2-Pentanone	190	410		2000	2500 U	100 U	100 U
Acetone	3700	10000		22000	2500 U	100 U	100 U
Acrylonitrile	0.63	2.7		0.045	5000 U	200 U	200 U
Benzene	5	5	5	0.41	250 U	10 U	10 U
Bromochloromethane	90	90			250 U	10 U	10 U
Bromodichloromethane	100	100		0.12	250 U	10 U	10 U
Bromoform	80	80		8.5	250 U	10 U	10 U
Bromomethane	10	10		8.7	250 U	10 U	10 U
Carbon Disulfide	1900	4100		1000	250 U	10 U	10 U
Carbon Tetrachloride	5	5	5	0.2	250 U	10 U	10 U
Chlorobenzene	100	100	100	91	250 U	10 U	10 U
Chlorodibromomethane	80	80		0.15	250 U	10 U	10 U
Chloroethane	230	900		21000	250 U	10 U	10 U
Chloroform	80	80		0.19	250 U	10 U	10 U
Chloromethane	30	30		190	250 U	10 U	10 U
cis-1,2-Dichloroethene	70	70	70	370	4300	51	97
cis-1,3-Dichloropropene	6.6	26		0.43	250 U	10 U	10 U
Ethylbenzene	700	700	700	1.5	250 U	10 U	10 U
Methyl tert-butyl ether	20	20		12	250 U	10 U	10 U
Methylene chloride	5	5		4.8	250 U	3.8 J B	10 U
Styrene	100	100	100	1600	250 U	10 U	10 U
Tetrachloroethene	5	5	5	0.11	950	41	37
Toluene	1000	1000	1000	2300	250 U	10 U	10 U
trans-1,2-Dichloroethene	100	100	100	110	250 U	10 U	10 U
trans-1,3-Dichloropropene	6.6	26		0.43	250 U	10 U	10 U
Trichloroethene	5	5	5	1.7	3000	110	180
Vinyl Chloride	2	2	2	0.016	250 U	10 U	10 U
Xylenes (Total)	10000	10000	10000	200	750 U	30 U	30 U

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

Table A-3
Groundwater Data Summary - Metal Analyses
2009 Collection Well Sampling Summary
Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date Parameter	MSC Used Aquifer R (ug/L)	MSC Used Aquifer NR (ug/L)	Federal MCL (ug/L)	EPA RSL Tap Water (ug/L)	CW-17 6/15/2009	CW-17 12/16/2009
METAL						
Lead	5	5	15		1.1	0.56 B
METAL (Dissolved)						
Lead	5	5	15		0.58 B	0.54 B

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference.

TABLE A-4
WATER QUALITY ANALYSES
PACKED TOWER AERATOR SAMPLES (January 1, 2009 - December 31, 2009)
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Sample ID Lab ID Sample Date Parameter	Units	Outfall #003 GWTS 9770398001 1/8/2009 Result	Outfall #003 GWTS 9782565001 4/1/2009 Result	Outfall #003 GWTS 9798373001 7/9/2009 Result	Outfall #003 GWTS 9814142001 10/16/2009 Result
1,1-DICHLOROETHENE	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1
TETRACHLOROETHENE	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1
TRICHLOROETHENE	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1
METHYLENE CHLORIDE	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1
VINYL CHLORIDE	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1
TOTAL VOCs	µg/l	0	0	0	0

Sample ID Lab ID Sample Date Parameter	Units	Influent to #003 GWTS 9770398001 1/8/2009 Result	Influent to #003 GWTS 9782565001 04/01/09 Result	Influent to #003 GWTS 9798373001 07/09/09 Result	Influent to #003 GWTS 9814142001 10/16/09 Result
1,1,1-TRICHLOROETHANE	µg/l	85.4	75.8	74.4	86.5
1,1-DICHLOROETHANE	µg/l	5.6	5.4	6.0	6.5
1,1-DICHLOROETHENE	µg/l	19.8	20.3	17.4	30.5
1,2-DICHLOROETHANE	µg/l	N.D.@1	N.D.@1	N.D.@5	N.D.@5
CHLOROBENZENE	µg/l	N.D.@1	N.D.@1	N.D.@5	N.D.@5
CHLOROFORM	µg/l	N.D.@1	N.D.@1	N.D.@5	N.D.@5
METHYLENE CHLORIDE	µg/l	N.D.@1	N.D.@1	N.D.@5	N.D.@5
TETRACHLOROETHENE	µg/l	315	421	239	338
TRICHLOROETHENE	µg/l	466	501	427	506
VINYL CHLORIDE	µg/l	N.D.@1	N.D.@5	N.D.@5	3.3
CIS 1,2-DICHLOROETHENE	µg/l	244	241	260	277
TRANS 1,2-DICHLOROETHENE	µg/l	5.7	10.4	12.1	1.2
TOTAL VOCs	µg/l	1142	1275	1036	1249

ALL ANALYSES PERFORMED BY ANALYTICAL LABORATORY SERVICES, INC - MIDDLETOWN, PA
µg/l - micrograms per liter
N.D.@1 - not detected at indicated concentration
N.A. - not analyzed
PTA Infl. - Official sample name is "influent to #003 GWTS"
PTA Effl. - Official sample name is "outfall #003 GWTS"

TABLE A-5
GROUNDWATER QUALITY ANALYSES
OFF-SITE SAMPLES (January 1, 2009 - December 31, 2009)
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Sample ID	RW-4 Folk	RW-2	S-6 Tate	S-7 Herman	RW-5
Lab Sample Number	C9F190314002	C9G170222001	C9F270171002	C9F270171001	C9G090231001
Sampling Date	6/18/09	7/16/09	6/26/09	6/26/09	7/8/09
Matrix	WATER	WATER	WATER	WATER	WATER
Dilution Factor	1	1	1	1	1
Units	mg/L	mg/L	mg/L	mg/L	mg/L
VOLATILE COMPOUNDS (GC/MS)					
1,1,1,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	200 U	200 U	200 U	200 U	200 U
2-Butanone	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	10 U
Acetone	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	20 U	20 U	20 U	20 U	20 U
Benzene	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Chloroform	0.18 J	1.3	0.91 J	0.84 J	1 U
Chloromethane	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1.4
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	1 U	1 U	1 U	1 U	1 U
Methylene chloride	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	1 U	0.18 J	1 U	1 U	0.23 J
Toluene	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	3.9	1 U	1 U	1.3
Vinyl Chloride	1 U	1 U	1 U	1 U	1 U
Xylenes (Total)	3 U	3 U	3 U	3 U	3 U
Total Confident Conc. VOAs (s)	0	5.2	0	0	2.7
WET CHEMISTRY					
Free Cyanide - mg/l	0.0023 BJ	N.A.	0.0023 BJ	0.0018 BJ	N.A.
TotalCyanide - mg/l	10 U	N.A.	10 U	10 U	N.A.
TOTAL AND DISSOLVED LEAD					
Total Lead	6.1 J	N.A.	N.A.	N.A.	N.A.
Dissolved Lead	2.3 J	N.A.	N.A.	N.A.	N.A.

JUNE/JULY ANALYSES PERFORMED BY TEST AMERICA LABORATORIES -PITTSBURGH.

mg/l - micrograms per liter
U - not detected at indicated concentration
B - method blanks has analytes detected at concentrations between the MDL and reporting limit
N.A. - not analyzed
J - Data indicates the presence of a compound that meets the identification criteria.
The result is less than the quantization limit but greater than zero.
The concentration given is an approximate value.