Appendix C

Validated Surface Water Analytical Results
North Plant

TABLE C-1
SURFACE WATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES, GREENVILLE, PA

		Location:	Pennsylvania Surface Water Criteria		SW-N1			SW-N1			SW-N1			SW-N1			SW-N2			SW-N2		
		Sample Date:			6/10/2008			6/10/2008			6/10/2008			6/10/2008			6/10/2008			6/10/2008		
		Sample Type Code:	Criteria Continuous Concentration (CCC)	Criteria Maximum Concentration (CMC)	FD			FD			N			N			N			N		
		Matrix Code:			WS			WS			WS			WS			WS			WS		
		Fraction:			D			T			D			T			D			T		
Chemical Name	**cas_rn**	**Units**			**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**
Water Quality Parameters																						
Hardness, Calcium Carbonate	HARDCA	mg/l	N.S.	N.S.	NA	NA	NA	300		1.5	NA	NA	NA	330		7.7	NA	NA	NA	178		1.5
Total Dissolved Solids	TDS	mg/l	N.S.	N.S.	NA	NA	NA	387		10	NA	NA	NA	435		10	NA	NA	NA	414		10
Total Suspended Solids	TSS	mg/l	N.S.	N.S.	NA	NA	NA	9.6	J	4	NA	NA	NA	18.8	J	4	NA	NA	NA	< 4	U	4
Total Organic Carbon	TOC	mg/l	N.S.	N.S.	NA	NA	NA	4.2		0.14	NA	NA	NA	4.2		0.14	NA	NA	NA	0.78	J	0.14
Inorganics																						
Aluminum	7429-90-5	ug/l	N.S.	750	< 4.3	B	4.3	340		1.2	< 1.2	U	1.2	557		1.2	2.9	J	1.2	8.4	J	1.2
Antimony	7440-36-0	ug/l	220	1,100	< 1	B	1	1.8	J	0.047	< 1.1	B	1.1	1.5	J	0.047	< 0.31	B	0.31	0.18	J	0.047
Arsenic	7440-38-2	ug/l	150	340	0.56	J	0.14	1.3		0.14	< 0.14	U	0.14	1.3		0.14	0.69	J	0.14	0.19	J	0.14
Barium	7440-39-3	ug/l	4,100	21,000	52		0.076	67.9		0.076	52.4		0.076	78.5		0.076	19.6		0.076	18.4		0.076
Beryllium	7440-41-7	ug/l	N.S.	N.S.	< 0.068	U	0.068	< 0.068	U	0.068	< 0.068	U	0.068	0.07	J	0.068	< 0.068	U	0.068	< 0.068	U	0.068
Cadmium	7440-43-9	ug/l	calc	calc	< 0.11	U	0.11	**0.57**	J	0.11	< 0.11	U	0.11	**1.3**		0.11	< 0.11	U	0.11	< 0.11	U	0.11
Calcium	7440-70-2	ug/l	N.S.	N.S.	90,500		6.3	91,300		6.3	89,000		6.3	97,600		6.3	52,100		6.3	50,700		6.3
Chromium	7440-47-3	ug/l	calc	calc	< 2.8	B	2.8	34.6		0.11	< 2.7	B	2.7	43.2		0.11	< 2.7	B	2.7	< 2.2	B	2.2
Cobalt	7440-48-4	ug/l	19	95	0.76		0.017	2		0.017	0.69		0.017	2.9		0.017	0.14	J	0.017	0.14	J	0.017
Copper	7440-50-8	ug/l	calc	calc	< 1.2	B	1.2	**29.1**	J	0.14	< 1.3	B	1.3	***49.8***	J	0.14	< 2.1	B	2.1	0.69	J	0.14
Iron	7439-89-6	ug/l	N.S.	N.S.	320		7.4	7,370		7.4	300		7.4	5,850		7.4	< 25.3	B	25.3	168		7.4
Lead	7439-92-1	ug/l	calc	calc	< 0.12	B	0.12	**106**	J	0.02	< 0.14	B	0.14	**193**	J	0.02	< 0.32	B	0.32	0.57	J	0.02
Magnesium	7439-95-4	ug/l	N.S.	N.S.	12,400		3.4	12,600		3.4	12,300		3.4	13,400		3.4	7,020		3.4	6,930		3.4
Manganese	7439-96-5	ug/l	N.S.	N.S.	250		0.047	468		0.047	248		0.047	584		0.047	39.1		0.047	40.4		0.047
Nickel	7440-02-0	ug/l	calc	calc	7.7		0.073	10.1		0.073	5.9		0.073	12		0.073	< 0.53	B	0.53	0.32	J	0.073
Potassium	7440-09-7	ug/l	N.S.	N.S.	7,540		5.6	7,700		5.6	7,430		5.6	8,040		5.6	4,840		5.6	4,680		5.6
Selenium	7782-49-2	ug/l	4.6	N.S.	0.92	J	0.21	0.77	J	0.21	0.98	J	0.21	0.81	J	0.21	1.6	J	0.21	1.2	J	0.21
Silver	7440-22-4	ug/l	N.S.	calc	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077
Sodium	7440-23-5	ug/l	N.S.	N.S.	43,500		7	42,600		7	43,100		7	43,800		7	75,000		7	73,200		7
Thallium	7440-28-0	ug/l	13	65	< 0.1	B	0.1	0.1	J	0.018	< 0.16	B	0.16	0.19	J	0.018	< 0.12	B	0.12	0.12	J	0.018
Vanadium	7440-62-2	ug/l	100	510	< 0.097	U	0.097	0.62	J	0.097	0.6	J	0.097	1.3		0.097	0.26	J	0.097	< 0.097	U	0.097
Zinc	7440-66-6	ug/l	calc	calc	63.2		0.6	***295***	J	0.6	58.6		0.6	***558***	J	0.6	< 22.2	B	22.2	4.1	J	0.6
Mercury	7439-97-6	ug/l	0.77	1.4	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055
Cyanide	57-12-5	ug/l	5.2	22	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7
Pesticides																						
4,4-DDD	72-54-8	ug/l	0.001	1.1	NA	NA	NA	< 0.0076	U	0.0076	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0077	U	0.0077
4,4-DDE	72-55-9	ug/l	0.001	1.1	NA	NA	NA	< 0.0066	U	0.0066	NA	NA	NA	< 0.007	U	0.007	NA	NA	NA	< 0.0068	U	0.0068
4,4-DDT	50-29-3	ug/l	0.001	1.1	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014
Aldrin	309-00-2	ug/l	0.1	3	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA	< 0.012	U	0.012	NA	NA	NA	< 0.011	U	0.011
alpha-BHC	319-84-6	ug/l	N.S.	N.S.	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA	< 0.016	U	0.016	NA	NA	NA	< 0.015	U	0.015
alpha-Chlordane	5103-71-9	ug/l	0.0043	2.4	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA	< 0.012	U	0.012	NA	NA	NA	< 0.011	U	0.011
alpha-Endosulfan	959-98-8	ug/l	0.056	0.22	NA	NA	NA	< 0.0073	U	0.0073	NA	NA	NA	< 0.0077	U	0.0077	NA	NA	NA	< 0.0074	U	0.0074
beta-BHC	319-85-7	ug/l	N.S.	N.S.	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA	< 0.014	U	0.014
beta-Endosulfan	33213-65-9	ug/l	0.056	0.22	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA	< 0.016	U	0.016	NA	NA	NA	< 0.015	U	0.015
delta-BHC	319-86-8	ug/l	N.S.	N.S.	NA	NA	NA	< 0.0093	U	0.0093	NA	NA	NA	< 0.0098	U	0.0098	NA	NA	NA	< 0.0095	U	0.0095
Dieldrin	60-57-1	ug/l	0.056	0.24	NA	NA	NA	< 0.0078	U	0.0078	NA	NA	NA	< 0.0083	U	0.0083	NA	NA	NA	< 0.008	U	0.008

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NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES, GREENVILLE, PA

		Location:	Pennsylvania Surface Water Criteria		SW-N1			SW-N1			SW-N1			SW-N1			SW-N2			SW-N2		
		Sample Date:			6/10/2008			6/10/2008			6/10/2008			6/10/2008			6/10/2008			6/10/2008		
		Sample Type Code:	Criteria Continuous Concentration (CCC)	Criteria Maximum Concentration (CMC)	FD			FD			N			N			N			N		
		Matrix Code:			WS			WS			WS			WS			WS			WS		
		Fraction:			D			T			D			T			D			T		
Chemical Name	**cas_rn**	**Units**			**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**
Endosulfan Sulfate	1031-07-8	ug/l	N.S.	N.S.	NA	NA	NA	< 0.016	U	0.016	NA	NA	NA	< 0.017	U	0.017	NA	NA	NA	< 0.016	U	0.016
Endrin	72-20-8	ug/l	0.036	0.086	NA	NA	NA	< 0.0075	U	0.0075	NA	NA	NA	< 0.0079	U	0.0079	NA	NA	NA	< 0.0076	U	0.0076
Endrin Aldehyde	7421-93-4	ug/l	N.S.	N.S.	NA	NA	NA	< 0.012	U	0.012	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA	< 0.012	U	0.012
Endrin Ketone	53494-70-5	ug/l	N.S.	N.S.	NA	NA	NA	< 0.0098	U	0.0098	NA	NA	NA	< 0.010	U	0.01	NA	NA	NA	< 0.010	U	0.01
gamma-BHC	58-89-9	ug/l	N.S.	0.95	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA	< 0.016	U	0.016	NA	NA	NA	< 0.015	U	0.015
gamma-Chlordane	5566-34-7	ug/l	0.0043	2.4	NA	NA	NA	< 0.0074	U	0.0074	NA	NA	NA	< 0.0079	U	0.0079	NA	NA	NA	< 0.0076	U	0.0076
Heptachlor	76-44-8	ug/l	0.0038	0.52	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014
Heptachlor Epoxide	1024-57-3	ug/l	0.0038	0.5	NA	NA	NA	< 0.0097	U	0.0097	NA	NA	NA	< 0.010	U	0.01	NA	NA	NA	< 0.0099	U	0.0099
Methoxychlor	72-43-5	ug/l	N.S.	N.S.	NA	NA	NA	< 0.018	U	0.018	NA	NA	NA	< 0.019	U	0.019	NA	NA	NA	< 0.018	U	0.018
Toxaphene	8001-35-2	ug/l	0.0002	0.73	NA	NA	NA	< 0.4	U	0.4	NA	NA	NA	< 0.43	U	0.43	NA	NA	NA	< 0.41	U	0.41
PCBs																						
Aroclor 1016	12674-11-2	ug/l	0.014	N.S.	NA	NA	NA	< 0.099	U	0.099	NA	NA	NA	< 0.1	U	0.1	NA	NA	NA	< 0.1	U	0.1
Aroclor 1221	11104-28-2	ug/l	0.014	N.S.	NA	NA	NA	< 0.098	U	0.098	NA	NA	NA	< 0.1	U	0.1	NA	NA	NA	< 0.1	U	0.1
Aroclor 1232	11141-16-5	ug/l	0.014	N.S.	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.12	U	0.12	NA	NA	NA	< 0.12	U	0.12
Aroclor 1242	53469-21-9	ug/l	0.014	N.S.	NA	NA	NA	< 0.073	U	0.073	NA	NA	NA	< 0.077	U	0.077	NA	NA	NA	< 0.074	U	0.074
Aroclor 1248	12672-29-6	ug/l	0.014	N.S.	NA	NA	NA	< 0.089	U	0.089	NA	NA	NA	< 0.095	U	0.095	NA	NA	NA	< 0.091	U	0.091
Aroclor 1254	11097-69-1	ug/l	0.014	N.S.	NA	NA	NA	< 0.09	U	0.09	NA	NA	NA	< 0.095	U	0.095	NA	NA	NA	< 0.092	U	0.092
Aroclor 1260	11096-82-5	ug/l	0.014	N.S.	NA	NA	NA	< 0.053	U	0.053	NA	NA	NA	< 0.056	U	0.056	NA	NA	NA	< 0.054	U	0.054
Volatile Organic Compounds																						
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	N.S.	N.S.	NA	NA	NA	< 0.0029	U	0.0029	NA	NA	NA	< 0.0029	U	0.0029	NA	NA	NA	< 0.0029	U	0.0029
1,2-Dibromoethane	106-93-4	ug/l	N.S.	N.S.	NA	NA	NA	< 0.0021	U	0.0021	NA	NA	NA	< 0.0021	U	0.0021	NA	NA	NA	< 0.0021	U	0.0021
1,1,1-Trichloroethane	71-55-6	ug/l	610	3,000	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	210	1,000	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.22	U	0.22
1,1,2-Trichloroethane	79-00-5	ug/l	680	3,400	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11
1,1-Dichloroethane	75-34-3	ug/l	N.S.	N.S.	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.19	U	0.19
1,1-Dichloroethene	75-35-4	ug/l	1,500	7,500	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA	< 0.17	U	0.17
1,2,4-Trichlorobenzene	120-82-1	ug/l	26	130	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11
1,2-Dichlorobenzene	95-50-1	ug/l	160	820	NA	NA	NA	< 0.086	U	0.086	NA	NA	NA	< 0.086	U	0.086	NA	NA	NA	< 0.086	U	0.086
1,2-Dichloroethane	107-06-2	ug/l	3,100	15,000	NA	NA	NA	< 0.076	U	0.076	NA	NA	NA	< 0.076	U	0.076	NA	NA	NA	< 0.076	U	0.076
1,2-Dichloropropane	78-87-5	ug/l	2,200	11,000	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA	< 0.24	U	0.24
1,3-Dichlorobenzene	541-73-1	ug/l	69	350	NA	NA	NA	< 0.1	U	0.1	NA	NA	NA	< 0.1	U	0.1	NA	NA	NA	< 0.1	U	0.1
1,4-Dichlorobenzene	106-46-7	ug/l	150	730	NA	NA	NA	< 0.1	U	0.1	NA	NA	NA	< 0.1	U	0.1	NA	NA	NA	< 0.1	U	0.1
2-Butanone	78-93-3	ug/l	32,000	230,000	NA	NA	NA	< 0.65	U	0.65	NA	NA	NA	0.82	J	0.65	NA	NA	NA	< 0.65	U	0.65
2-Hexanone	591-78-6	ug/l	4,300	21,000	NA	NA	NA	< 0.55	U	0.55	NA	NA	NA	< 0.55	U	0.55	NA	NA	NA	< 0.55	U	0.55
4-Methyl-2-pentanone	108-10-1	ug/l	5,000	26,000	NA	NA	NA	< 0.61	U	0.61	NA	NA	NA	< 0.61	U	0.61	NA	NA	NA	< 0.61	U	0.61
Acetone	67-64-1	ug/l	86,000	450,000	NA	NA	NA	< 2.5	U	2.5	NA	NA	NA	7.2		2.5	NA	NA	NA	2.9	J	2.5
Benzene	71-43-2	ug/l	130	640	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.19	U	0.19
Bromodichloromethane	75-27-4	ug/l	N.S.	N.S.	NA	NA	NA	< 0.099	U	0.099	NA	NA	NA	< 0.099	U	0.099	NA	NA	NA	< 0.099	U	0.099
Bromoform	75-25-2	ug/l	370	1,800	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.27	U	0.27
Bromomethane	74-83-9	ug/l	N.S.	550	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.18	U	0.18
Carbon Disulfide	75-15-0	ug/l	N.S.	N.S.	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11
Carbon Tetrachloride	56-23-5	ug/l	560	2,800	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.22	U	0.22

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NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES, GREENVILLE, PA

		Location:	Pennsylvania Surface Water Criteria		SW-N1			SW-N1			SW-N1			SW-N1			SW-N2			SW-N2		
		Sample Date:			6/10/2008			6/10/2008			6/10/2008			6/10/2008			6/10/2008			6/10/2008		
		Sample Type Code:			FD			FD			N			N			N			N		
		Matrix Code:	Criteria Continuous Concentration (CCC)	Criteria Maximum Concentration (CMC)	WS			WS			WS			WS			WS			WS		
		Fraction:			D			T			D			T			D			T		
Chemical Name	**cas_rn**	**Units**			**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**
Chlorobenzene	108-90-7	ug/l	240	1,200	NA	NA	NA	< 0.33	U	0.33	NA	NA	NA	< 0.33	U	0.33	NA	NA	NA	< 0.33	U	0.33
Chloroethane	75-00-3	ug/l	N.S.	N.S.	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11
Chloroform	67-66-3	ug/l	390	1,900	NA	NA	NA	< 0.068	U	0.068	NA	NA	NA	< 0.068	U	0.068	NA	NA	NA	< 0.068	U	0.068
Chloromethane	74-87-3	ug/l	N.S.	28,000	NA	NA	NA	< 0.14	U	0.14	NA	NA	NA	< 0.14	U	0.14	NA	NA	NA	< 0.14	U	0.14
cis-1,2-Dichloroethene	156-59-2	ug/l	N.S.	N.S.	NA	NA	NA	< 0.09	U	0.09	NA	NA	NA	< 0.09	U	0.09	NA	NA	NA	< 0.09	U	0.09
cis-1,3-Dichloropropene	10061-01-5	ug/l	N.S.	310	NA	NA	NA	< 0.13	U	0.13	NA	NA	NA	< 0.13	U	0.13	NA	NA	NA	< 0.13	U	0.13
Cyclohexane	110-82-7	ug/l	N.S.	N.S.	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11
Dibromochloromethane	124-48-1	ug/l	N.S.	N.S.	NA	NA	NA	< 0.2	U	0.2	NA	NA	NA	< 0.2	U	0.2	NA	NA	NA	< 0.2	U	0.2
Dichlorodifluoromethane	75-71-8	ug/l	N.S.	N.S.	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA	< 0.23	U	0.23
Ethylbenzene	100-41-4	ug/l	580	2,900	NA	NA	NA	< 0.066	U	0.066	NA	NA	NA	< 0.066	U	0.066	NA	NA	NA	< 0.066	U	0.066
Freon 113	76-13-1	ug/l	N.S.	N.S.	NA	NA	NA	< 0.14	U	0.14	NA	NA	NA	< 0.14	U	0.14	NA	NA	NA	< 0.14	U	0.14
Isopropylbenzene	98-82-8	ug/l	N.S.	N.S.	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.27	U	0.27
Methyl Acetate	79-20-9	ug/l	N.S.	N.S.	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA	< 0.17	U	0.17
Methyl Cyclohexane	108-87-2	ug/l	N.S.	N.S.	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.18	U	0.18
Methyl tert-Butyl Ether	1634-04-4	ug/l	N.S.	N.S.	NA	NA	NA	< 0.13	U	0.13	NA	NA	NA	< 0.13	U	0.13	NA	NA	NA	< 0.13	U	0.13
Methylene Chloride	75-09-2	ug/l	2,400	12,000	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.21	B	0.21
Styrene	100-42-5	ug/l	N.S.	N.S.	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA	< 0.25	U	0.25
Tetrachloroethene	127-18-4	ug/l	140	700	NA	NA	NA	1.9		0.088	NA	NA	NA	1.8		0.088	NA	NA	NA	< 0.088	U	0.088
Toluene	108-88-3	ug/l	330	1,700	NA	NA	NA	< 0.21	U	0.21	NA	NA	NA	< 0.21	U	0.21	NA	NA	NA	< 0.21	U	0.21
trans-1,2-Dichloroethene	156-60-5	ug/l	1,400	6,800	NA	NA	NA	< 0.097	U	0.097	NA	NA	NA	< 0.097	U	0.097	NA	NA	NA	< 0.097	U	0.097
trans-1,3-Dichloropropene	10061-02-6	ug/l	N.S.	310	NA	NA	NA	< 0.16	U	0.16	NA	NA	NA	< 0.16	U	0.16	NA	NA	NA	< 0.16	U	0.16
Trichloroethene	79-01-6	ug/l	450	2,300	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.22	U	0.22
Trichlorofluoromethane	75-69-4	ug/l	N.S.	N.S.	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA	< 0.17	U	0.17
Vinyl Chloride	75-01-4	ug/l	N.S.	N.S.	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11
Xylenes, Total	1330-20-7	ug/l	210	1,100	NA	NA	NA	< 0.2	U	0.2	NA	NA	NA	< 0.2	U	0.2	NA	NA	NA	< 0.2	U	0.2
Semivolatile Organic Compounds																						
2,4,5-Trichlorophenol	95-95-4	ug/l	N.S.	N.S.	NA	NA	NA	< 0.063	U	0.063	NA	NA	NA	< 0.061	U	0.061	NA	NA	NA	< 0.06	U	0.06
2,4,6-Trichlorophenol	88-06-2	ug/l	91	460	NA	NA	NA	< 0.057	U	0.057	NA	NA	NA	< 0.056	U	0.056	NA	NA	NA	< 0.055	U	0.055
2,4-Dichlorophenol	120-83-2	ug/l	340	1,700	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA	< 0.047	U	0.047
2,4-Dimethylphenol	105-67-9	ug/l	130	660	NA	NA	NA	0.21	J	0.052	NA	NA	NA	0.24	J	0.051	NA	NA	NA	< 0.05	U	0.05
2,4-Dinitrophenol	51-28-5	ug/l	130	660	NA	NA	NA	< 1.3	U	1.3	NA	NA	NA	< 1.3	U	1.3	NA	NA	NA	< 1.2	U	1.2
2,4-Dinitrotoluene	121-14-2	ug/l	320	1,600	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.043	U	0.043
2,6-Dinitrotoluene	606-20-2	ug/l	200	990	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	< 0.05	U	0.05	NA	NA	NA	< 0.049	U	0.049
2-Chloronaphthalene	91-58-7	ug/l	N.S.	N.S.	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.042	U	0.042
2-Chlorophenol	95-57-8	ug/l	110	560	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.044	U	0.044
2-Methylnaphthalene	91-57-6	ug/l	N.S.	N.S.	NA	NA	NA	0.066	J	0.047	NA	NA	NA	0.054	J	0.046	NA	NA	NA	< 0.045	U	0.045
2-Methylphenol	95-48-7	ug/l	N.S.	N.S.	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	< 0.05	U	0.05	NA	NA	NA	< 0.049	U	0.049
2-Nitroaniline	88-74-4	ug/l	N.S.	N.S.	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA	< 0.046	U	0.046
2-Nitrophenol	88-75-5	ug/l	1,600	8,000	NA	NA	NA	< 0.054	U	0.054	NA	NA	NA	< 0.053	U	0.053	NA	NA	NA	< 0.052	U	0.052
3,3'-Dichlorobenzidine	91-94-1	ug/l	N.S.	N.S.	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.04	U	0.04	NA	NA	NA	< 0.039	U	0.039
3-Nitroaniline	99-09-2	ug/l	N.S.	N.S.	NA	NA	NA	< 0.04	U	0.04	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA	< 0.039	U	0.039
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	N.S.	80	NA	NA	NA	< 1.4	U	1.4	NA	NA	NA	< 1.4	U	1.4	NA	NA	NA	< 1.4	U	1.4

TABLE C-1
SURFACE WATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES, GREENVILLE, PA

		Location:	Pennsylvania Surface Water Criteria		SW-N1			SW-N1			SW-N1			SW-N1			SW-N2			SW-N2		
		Sample Date:			6/10/2008			6/10/2008			6/10/2008			6/10/2008			6/10/2008			6/10/2008		
		Sample Type Code:	Criteria Continuous Concentration (CCC)	Criteria Maximum Concentration (CMC)	FD			FD			N			N			N			N		
		Matrix Code:			WS			WS			WS			WS			WS			WS		
		Fraction:			D			T			D			T			D			T		
Chemical Name	**cas_rn**	**Units**			**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**
4-Bromophenyl Phenyl Ether	101-55-3	ug/l	54	270	NA	NA	NA	< 0.05	U	0.05	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	< 0.048	U	0.048
4-Chloro-3-methylphenol	59-50-7	ug/l	N.S.	160	NA	NA	NA	< 0.059	U	0.059	NA	NA	NA	< 0.058	U	0.058	NA	NA	NA	< 0.057	U	0.057
4-Chloroaniline	106-47-8	ug/l	N.S.	N.S.	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.044	U	0.044
4-Chlorophenyl-phenylether	7005-72-3	ug/l	N.S.	N.S.	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.041	U	0.041
4-Methylphenol	106-44-5	ug/l	N.S.	800	NA	NA	NA	0.13	J	0.074	NA	NA	NA	< 0.072	U	0.072	NA	NA	NA	< 0.071	U	0.071
4-Nitroaniline	100-01-6	ug/l	N.S.	N.S.	NA	NA	NA	< 0.025	U	0.025	NA	NA	NA	< 0.025	U	0.025	NA	NA	NA	< 0.024	U	0.024
4-Nitrophenol	100-02-7	ug/l	470	2,300	NA	NA	NA	< 0.07	U	0.07	NA	NA	NA	< 0.069	U	0.069	NA	NA	NA	< 0.067	U	0.067
Acenaphthene	83-32-9	ug/l	17	83	NA	NA	NA	0.058	J	0.052	NA	NA	NA	0.051	J	0.051	NA	NA	NA	< 0.05	U	0.05
Acenaphthylene	208-96-8	ug/l	N.S.	N.S.	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.044	U	0.044
Acetophenone	98-86-2	ug/l	N.S.	N.S.	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.044	U	0.044
Anthracene	120-12-7	ug/l	N.S.	N.S.	NA	NA	NA	0.1	J	0.051	NA	NA	NA	0.06	J	0.05	NA	NA	NA	< 0.049	U	0.049
Atrazine	1912-24-9	ug/l	N.S.	N.S.	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA	< 0.038	U	0.038	NA	NA	NA	< 0.037	U	0.037
Benzaldehyde	100-52-7	ug/l	N.S.	N.S.	NA	NA	NA	< 0.054	U	0.054	NA	NA	NA	< 0.053	U	0.053	NA	NA	NA	< 0.052	U	0.052
Benzo[a]anthracene	56-55-3	ug/l	0.1	0.5	NA	NA	NA	***0.52***		0.041	NA	NA	NA	**0.15**	J	0.04	NA	NA	NA	< 0.039	U	0.039
Benzo[a]pyrene	50-32-8	ug/l	N.S.	N.S.	NA	NA	NA	0.33		0.044	NA	NA	NA	0.12	J	0.043	NA	NA	NA	< 0.042	U	0.042
Benzo[b]fluoranthene	205-99-2	ug/l	N.S.	N.S.	NA	NA	NA	0.43		0.031	NA	NA	NA	0.13	J	0.031	NA	NA	NA	< 0.03	U	0.03
Benzo[g,h,i]perylene	191-24-2	ug/l	N.S.	N.S.	NA	NA	NA	0.56	J	0.027	NA	NA	NA	0.058	J	0.027	NA	NA	NA	< 0.026	U	0.026
Benzo[k]fluoranthene	207-08-9	ug/l	N.S.	N.S.	NA	NA	NA	0.56	J	0.039	NA	NA	NA	0.1	J	0.039	NA	NA	NA	< 0.038	U	0.038
Biphenyl	92-52-4	ug/l	N.S.	N.S.	NA	NA	NA	< 0.06	U	0.06	NA	NA	NA	< 0.059	U	0.059	NA	NA	NA	< 0.058	U	0.058
Bis(2-chloroethoxy)methane	111-91-1	ug/l	N.S.	N.S.	NA	NA	NA	< 0.12	U	0.12	NA	NA	NA	< 0.12	U	0.12	NA	NA	NA	< 0.12	U	0.12
Bis(2-chloroethyl) Ether	111-44-4	ug/l	6,000	30,000	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.044	U	0.044
Bis(2-chloroisopropyl) Ether	108-60-1	ug/l	N.S.	N.S.	NA	NA	NA	< 0.026	U	0.026	NA	NA	NA	< 0.025	U	0.025	NA	NA	NA	< 0.025	U	0.025
Bis(2-ethylhexyl) Phthalate	117-81-7	ug/l	910	4,500	NA	NA	NA	0.96	J	0.12	NA	NA	NA	0.76	J	0.12	NA	NA	NA	< 0.11	U	0.11
Butylbenzyl Phthalate	85-68-7	ug/l	35	140	NA	NA	NA	< 0.14	U	0.14	NA	NA	NA	< 0.14	U	0.14	NA	NA	NA	< 0.13	U	0.13
Caprolactum	105-60-2	ug/l	N.S.	N.S.	NA	NA	NA	1		0.19	NA	NA	NA	2		0.18	NA	NA	NA	1.4		0.18
Carbazole	86-74-8	ug/l	N.S.	N.S.	NA	NA	NA	0.12	J	0.052	NA	NA	NA	0.088	J	0.051	NA	NA	NA	< 0.05	U	0.05
Chrysene	218-01-9	ug/l	N.S.	N.S.	NA	NA	NA	0.52		0.036	NA	NA	NA	0.15	J	0.035	NA	NA	NA	< 0.034	U	0.034
Dibenzo[a,h]anthracene	53-70-3	ug/l	N.S.	N.S.	NA	NA	NA	0.83	J	0.035	NA	NA	NA	0.27	J	0.034	NA	NA	NA	< 0.033	U	0.033
Dibenzofuran	132-64-9	ug/l	N.S.	N.S.	NA	NA	NA	0.092	J	0.053	NA	NA	NA	0.064	J	0.052	NA	NA	NA	< 0.051	U	0.051
Diethyl Phthalate	84-66-2	ug/l	800	4,000	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA	< 0.23	U	0.23
Dimethyl Phthalate	131-11-3	ug/l	500	2,500	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.041	U	0.041
Di-n-Butyl Phthalate	84-74-2	ug/l	21	110	NA	NA	NA	0.29	J	0.046	NA	NA	NA	0.22	J	0.045	NA	NA	NA	0.079	J	0.045
Di-n-octyl Phthalate	117-84-0	ug/l	N.S.	N.S.	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.041	U	0.041
Fluoranthene	206-44-0	ug/l	40	200	NA	NA	NA	0.37		0.049	NA	NA	NA	0.15	J	0.048	NA	NA	NA	< 0.048	U	0.048
Fluorene	86-73-7	ug/l	N.S.	N.S.	NA	NA	NA	0.087	J	0.054	NA	NA	NA	0.064	J	0.053	NA	NA	NA	< 0.052	U	0.052
Hexachlorobenzene	118-74-1	ug/l	N.S.	N.S.	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.042	U	0.042
Hexachlorobutadiene	87-68-3	ug/l	2	10	NA	NA	NA	< 0.038	U	0.038	NA	NA	NA	< 0.037	U	0.037	NA	NA	NA	< 0.036	U	0.036
Hexachlorocyclopentadiene	77-47-4	ug/l	1	5	NA	NA	NA	< 0.08	U	0.08	NA	NA	NA	< 0.078	U	0.078	NA	NA	NA	< 0.077	U	0.077
Hexachloroethane	67-72-1	ug/l	12	60	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.042	U	0.042
Indeno[1,2,3-cd]pyrene	193-39-5	ug/l	N.S.	N.S.	NA	NA	NA	0.7	J	0.048	NA	NA	NA	0.27	J	0.047	NA	NA	NA	< 0.046	U	0.046
Isophorone	78-59-1	ug/l	2,100	10,000	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.045	U	0.045
Naphthalene	91-20-3	ug/l	43	140	NA	NA	NA	0.067	J	0.043	NA	NA	NA	0.063	J	0.042	NA	NA	NA	0.051	J	0.041

TABLE C-1
SURFACE WATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES, GREENVILLE, PA

		Location:	Pennsylvania Surface Water Criteria		SW-N1			SW-N1			SW-N1			SW-N1			SW-N2			SW-N2		
		Sample Date:			6/10/2008			6/10/2008			6/10/2008			6/10/2008			6/10/2008			6/10/2008		
		Sample Type Code:			FD			FD			N			N			N			N		
		Matrix Code:			WS			WS			WS			WS			WS			WS		
		Fraction:	Criteria Continuous Concentration (CCC)	Criteria Maximum Concentration (CMC)	D			T			D			T			D			T		
Chemical Name	**cas_rn**	**Units**			**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**	**Result**	**Qual**	**RDL**
Nitrobenzene	98-95-3	ug/l	810	4,000	NA	NA	NA	< 0.064	U	0.064	NA	NA	NA	< 0.063	U	0.063	NA	NA	NA	< 0.061	U	0.061
N-Nitroso-di-n-propylamine	621-64-7	ug/l	N.S.	N.S.	NA	NA	NA	< 0.059	U	0.059	NA	NA	NA	< 0.058	U	0.058	NA	NA	NA	< 0.057	U	0.057
N-Nitrosodiphenylamine	86-30-6	ug/l	59	300	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA	< 0.047	U	0.047
Pentachlorophenol	87-86-5	ug/l	calc	calc	NA	NA	NA	< 0.083	U	0.083	NA	NA	NA	< 0.081	U	0.081	NA	NA	NA	< 0.08	U	0.08
Phenanthrene	85-01-8	ug/l	1	5	NA	NA	NA	0.34		0.055	NA	NA	NA	0.21		0.054	NA	NA	NA	0.14	J	0.053
Phenol	108-95-2	ug/l	N.S.	N.S.	NA	NA	NA	< 0.022	U	0.022	NA	NA	NA	< 0.022	U	0.022	NA	NA	NA	< 0.021	U	0.021
Pyrene	129-00-0	ug/l	N.S.	N.S.	NA	NA	NA	0.39		0.057	NA	NA	NA	0.18	J	0.055	NA	NA	NA	< 0.054	U	0.054

Notes
1) N.S. = No Standard
2) N = Primary sample
3) FD = Field Duplicate
4) NA = Not analyzed
5) WS = Surface water
6) RDL = Reporting Detection Limit
7) SWQS = Surface Water Quality Standard
8) Calc = Calculated SWQS value
9) Results above the SWQS Criteria Continuous Concentrations are shown in **bold.**
10) Results above the SWQS Criteria Maximum Concentration are shown in *italics.*
11) Alpha and beta-chlordane concentrations screened against the Non-Residential Direct Contact and Soil-to-Groundwater concentrations for chlordane (CASRN #57-74-9).

Appendix D

Validated Sediment Analytical Results North Plant

TABLE D-1
SEDIMENT RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

	Sample Location:		PADEP MSCs Non-Residential				SS-N1		
	Sample Date:						6/10/2008		
	Sample Type Code:						N		
	Start Depth:						0		
	End Depth:		Direct Contact	Soil to Groundwater			0.1		
	Matrix Code:		Surface Soil	Used Aquifer,TDS<=2500 mg/l			SE		
Chemical Name	cas_rn	Units	0-2 feet	100 X GW MSC	Generic Value	Max	Result	Qual	RDL
Inorganics									
Aluminum	7429-90-5	mg/kg	190,000	N.S.	N.S.	N.S.	5,150		0.31
Antimony	7440-36-0	mg/kg	1,100	0.6	27	27	6.2		0.0044
Arsenic	7440-38-2	mg/kg	53	5	150	150	16.7	K	0.022
Barium	7440-39-3	mg/kg	190,000	200	8,200	8,200	376	K	0.01
Beryllium	7440-41-7	mg/kg	5,600	0.4	320	320	0.52	J	0.0049
Cadmium	7440-43-9	mg/kg	210	0.5	38	38	3.9		0.012
Calcium	7440-70-2	mg/kg	N.S.	N.S.	N.S.	N.S.	69,200		2.4
Chromium	7440-47-3	mg/kg	190,000	10	190,000	190,000	3,910		0.11
Cobalt	7440-48-4	mg/kg	56,000	200	22	200	76.2	L	0.0033
Copper	7440-50-8	mg/kg	100,000	100	36,000	36,000	423		0.011
Iron	7439-89-6	mg/kg	190,000	N.S.	N.S.	N.S.	164,000		3.9
Lead	7439-92-1	mg/kg	1,000	0.5	450	450	***7,300***		0.045
Magnesium	7439-95-4	mg/kg	N.S.	N.S.	N.S.	N.S.	5,380	L	0.51
Manganese	7439-96-5	mg/kg	190,000	N.S.	N.S.	N.S.	5,190		0.19
Nickel	7440-02-0	mg/kg	56,000	10	650	650	77.9	K	0.0091
Potassium	7440-09-7	mg/kg	N.S.	N.S.	N.S.	N.S.	1,550		1.3
Selenium	7782-49-2	mg/kg	14,000	5	26	26	0.77	L	0.054
Silver	7440-22-4	mg/kg	14,000	10	84	84	0.47	J	0.0032
Sodium	7440-23-5	mg/kg	N.S.	N.S.	N.S.	N.S.	522		0.97
Thallium	7440-28-0	mg/kg	200	0.2	14	14	0.14		0.0027
Vanadium	7440-62-2	mg/kg	20,000	72	72,000	72,000	< 0.077	U	0.077
Zinc	7440-66-6	mg/kg	190,000	200	12,000	12,000	6,620		0.16
Mercury	7439-97-6	mg/kg	840	0.2	10	10	0.12		0.0095
Cyanide	57-12-5	mg/kg	56,000	20	200	200	0.42	J	0.13
Total Organic Carbon	TOC	mg/kg	N.S.	N.S.	N.S.	N.S.	22,200		89.4
Pesticides									
4,4-DDD	72-54-8	ug/kg	330,000	270	30,000	30,000	< 5	U	5
4,4-DDE	72-55-9	ug/kg	230,000	760	170,000	170,000	< 3.3	U	3.3
4,4-DDT	50-29-3	ug/kg	230,000	550	330,000	330,000	< 7.6	U	7.6
Aldrin	309-00-2	ug/kg	4,700	3.7	440	440	< 5.9	U	5.9
alpha-BHC	319-84-6	ug/kg	13,000	41	190	190	< 8.5	U	8.5
alpha-Chlordane	5103-71-9	ug/kg	230,000	200	49,000	49,000	< 3.5	U	3.5
alpha-Endosulfan	959-98-8	ug/kg	17,000,000	50,000	260,000	260,000	< 5.8	U	5.8
beta-BHC	319-85-7	ug/kg	44,000	140	820	820	< 6.5	U	6.5
beta-Endosulfan	33213-65-9	ug/kg	17,000,000	45,000	260,000	260,000	< 13	U	13
delta-BHC	319-86-8	ug/kg	1,700,000	6,100	30,000	30,000	NA	NA	NA
Dieldrin	60-57-1	ug/kg	5,000	16	440	440	< 4.1	U	4.1
Endosulfan Sulfate	1031-07-8	ug/kg	17,000,000	12,000	70,000	70,000	< 9	U	9
Endrin	72-20-8	ug/kg	840,000	200	5,500	5,500	< 4.4	U	4.4

TABLE D-1
SEDIMENT RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

	Sample Location:		PADEP MSCs Non-Residential				SS-N1		
	Sample Date:						6/10/2008		
	Sample Type Code:						N		
	Start Depth:						0		
	End Depth:		Direct Contact	Soil to Groundwater			0.1		
	Matrix Code:		Surface Soil	Used Aquifer,TDS<=2500 mg/l			SE		
Chemical Name	cas_rn	Units	0-2 feet	100 X GW MSC	Generic Value	Max	Result	Qual	RDL
Endrin Aldehyde	7421-93-4	ug/kg	N.S.	N.S.	N.S.	N.S.	< 7.1	U	7.1
Endrin Ketone	53494-70-5	ug/kg	N.S.	N.S.	N.S.	N.S.	< 6.5	U	6.5
gamma-BHC	58-89-9	ug/kg	61,000	20	72	72	30	J	7.7
gamma-Chlordane	5566-34-7	ug/kg	230,000	200	49,000	49,000	< 19	B	19
Heptachlor	76-44-8	ug/kg	18,000	40	680	680	< 7.1	U	7.1
Heptachlor Epoxide	1024-57-3	ug/kg	8,700	20	1,100	1,100	< 5.6	U	5.6
Methoxychlor	72-43-5	ug/kg	14,000,000	4,000	630,000	630,000	< 23	U	23
Toxaphene	8001-35-2	ug/kg	72,000	300	1,200	1,200	< 390	U	390
PCBs									
Aroclor 1016	12674-11-2	ug/kg	200,000	720	200,000	200,000	< 17	U	17
Aroclor 1221	11104-28-2	ug/kg	160,000	520	2,500	2,500	< 21	U	21
Aroclor 1232	11141-16-5	ug/kg	160,000	520	2,000	2,000	*2,600*		19
Aroclor 1242	53469-21-9	ug/kg	160,000	520	62,000	62,000	< 18	U	18
Aroclor 1248	12672-29-6	ug/kg	44,000	140	67,000	67,000	< 11	U	11
Aroclor 1254	11097-69-1	ug/kg	44,000	140	280,000	280,000	640		16
Aroclor 1260	11096-82-5	ug/kg	130,000	430	1,900,000	1,900,000	350		16
Volatile Organic Compounds									
1,1,1-Trichloroethane	71-55-6	ug/kg	10,000,000	20,000	7,200	20,000	< 0.58	U	0.58
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	28,000	30	9.3	30	< 0.85	U	0.85
1,1,2-Trichloroethane	79-00-5	ug/kg	100,000	500	150	500	< 0.99	U	0.99
1,1-Dichloroethane	75-34-3	ug/kg	1,000,000	11,000	2,700	11,000	< 0.68	U	0.68
1,1-Dichloroethene	75-35-4	ug/kg	33,000	700	190	700	< 1	U	1
1,2,4-Trichlorobenzene	120-82-1	ug/kg	10,000,000	7,000	27,000	27,000	< 1	U	1
1,2-Dibromo-3-chloropropane	96-12-8	ug/kg	11,000	20	9.2	20	< 0.89	U	0.89
1,2-Dibromoethane	106-93-4	ug/kg	930	5	1.2	5	< 1	U	1
1,2-Dichlorobenzene	95-50-1	ug/kg	10,000,000	60,000	59,000	60,000	< 0.95	U	0.95
1,2-Dichloroethane	107-06-2	ug/kg	63,000	500	100	500	< 0.73	U	0.73
1,2-Dichloropropane	78-87-5	ug/kg	160,000	500	110	500	< 0.64	U	0.64
1,3-Dichlorobenzene	541-73-1	ug/kg	10,000,000	60,000	61,000	61,000	< 0.78	U	0.78
1,4-Dichlorobenzene	106-46-7	ug/kg	3,300,000	7,500	10,000	10,000	< 0.76	U	0.76
2-Butanone	78-93-3	ug/kg	10,000,000	580,000	110,000	580,000	< 1	U	1
2-Hexanone	591-78-6	ug/kg	N.S.	N.S.	N.S.	N.S.	< 0.82	U	0.82
4-Methyl-2-pentanone	108-10-1	ug/kg	4,300,000	41,000	6,300	41,000	< 0.77	U	0.77
Acetone	67-64-1	ug/kg	10,000,000	1,000,000	110,000	1,000,000	6.9	J	5.9
Benzene	71-43-2	ug/kg	210,000	500	130	500	< 0.8	U	0.8
Bromodichloromethane	75-27-4	ug/kg	45,000	10,000	3,400	10,000	< 0.67	U	0.67
Bromoform	75-25-2	ug/kg	1,500,000	10,000	4,400	10,000	< 0.53	U	0.53
Bromomethane	74-83-9	ug/kg	270,000	1,000	540	1,000	< 0.88	U	0.88
Carbon Disulfide	75-15-0	ug/kg	10,000,000	410,000	350,000	410,000	< 0.61	U	0.61
Carbon Tetrachloride	56-23-5	ug/kg	110,000	500	260	500	< 0.53	U	0.53

TABLE D-1
SEDIMENT RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

	Sample Location:		PADEP MSCs Non-Residential				SS-N1		
	Sample Date:						6/10/2008		
	Sample Type Code:						N		
	Start Depth:						0		
	End Depth:		Direct Contact	Soil to Groundwater			0.1		
	Matrix Code:		Surface Soil	Used Aquifer,TDS<=2500 mg/l			SE		
Chemical Name	cas_rn	Units	0-2 feet	100 X GW MSC	Generic Value	Max	Result	Qual	RDL
Chlorobenzene	108-90-7	ug/kg	10,000,000	10,000	6,100	10,000	< 0.9	U	0.9
Chloroethane	75-00-3	ug/kg	10,000,000	90,000	19,000	90,000	< 1.8	U	1.8
Chloroform	67-66-3	ug/kg	17,000	10,000	2,500	10,000	< 0.69	U	0.69
Chloromethane	74-87-3	ug/kg	920,000	300	38	300	< 1	U	1
cis-1,2-Dichloroethene	156-59-2	ug/kg	1,900,000	7,000	1,600	7,000	< 0.84	U	0.84
cis-1,3-Dichloropropene	10061-01-5	ug/kg	N.S.	N.S.	N.S.	N.S.	< 0.8	U	0.8
Cyclohexane	110-82-7	ug/kg	N.S.	N.S.	N.S.	N.S.	< 0.44	U	0.44
Dibromochloromethane	124-48-1	ug/kg	61,000	10,000	3,200	10,000	< 0.84	U	0.84
Dichlorodifluoromethane	75-71-8	ug/kg	10,000,000	100,000	100,000	100,000	< 0.79	U	0.79
Ethylbenzene	100-41-4	ug/kg	10,000,000	70,000	46,000	70,000	< 0.76	U	0.76
Freon 113	76-13-1	ug/kg	190,000,000	17,000,000	53,000,000	53,000,000	< 1.3	U	1.3
Isopropylbenzene	98-82-8	ug/kg	10,000,000	230,000	1,600,000	1,600,000	< 0.81	U	0.81
Methyl Acetate	79-20-9	ug/kg	10,000,000	10,000,000	1,900,000	10,000,000	< 1.1	U	1.1
Methyl Cyclohexane	108-87-2	ug/kg	N.S.	N.S.	N.S.	N.S.	< 0.86	U	0.86
Methyl tert-Butyl Ether	1634-04-4	ug/kg	3,200,000	2,000	280	2,000	< 0.89	U	0.89
Methylene Chloride	75-09-2	ug/kg	3,500,000	500	76	500	< 0.8	U	0.8
Styrene	100-42-5	ug/kg	10,000,000	10,000	24,000	24,000	< 0.63	U	0.63
Tetrachloroethene	127-18-4	ug/kg	1,500,000	500	430	500	< 0.81	U	0.81
Toluene	108-88-3	ug/kg	10,000,000	100,000	44,000	100,000	< 0.87	U	0.87
trans-1,2-Dichloroethene	156-60-5	ug/kg	3,700,000	10,000	2,300	10,000	< 0.71	U	0.71
trans-1,3-Dichloropropene	10061-02-6	ug/kg	N.S.	N.S.	N.S.	N.S.	< 0.71	U	0.71
Trichloroethene	79-01-6	ug/kg	970,000	500	170	500	< 0.78	U	0.78
Trichlorofluoromethane	75-69-4	ug/kg	10,000,000	200,000	87,000	200,000	< 1.1	U	1.1
Vinyl Chloride	75-01-4	ug/kg	53,000	200	27	200	< 0.56	U	0.56
Xylenes, Total	1330-20-7	ug/kg	10,000,000	1,000,000	990,000	1,000,000	< 2.7	U	2.7
Semivolatile Organic Compounds									
2,4,5-Trichlorophenol	95-95-4	ug/kg	190,000,000	1,000,000	6,100,000	6,100,000	< 73	U	73
2,4,6-Trichlorophenol	88-06-2	ug/kg	840,000	3,100	8,900	8,900	< 71	U	71
2,4-Dichlorophenol	120-83-2	ug/kg	8,400,000	2,000	1,000	2,000	< 26	U	26
2,4-Dimethylphenol	105-67-9	ug/kg	10,000,000	200,000	87,000	200,000	< 38	U	38
2,4-Dinitrophenol	51-28-5	ug/kg	5,600,000	4,100	460	4,100	< 1000	U	1000
2,4-Dinitrotoluene	121-14-2	ug/kg	260,000	840	200	840	< 46	U	46
2,6-Dinitrotoluene	606-20-2	ug/kg	2,800,000	10,000	3,000	10,000	< 57	U	57
2-Chloronaphthalene	91-58-7	ug/kg	190,000,000	820,000	18,000,000	18,000,000	< 51	U	51
2-Chlorophenol	95-57-8	ug/kg	920,000	4,000	4,400	4,400	< 45	U	45
2-Methylnaphthalene	91-57-6	ug/kg	10,000,000	200,000	8,000,000	8,000,000	140	J	49
2-Methylphenol	95-48-7	ug/kg	10,000,000	510,000	180,000	510,000	< 55	U	55
2-Nitroaniline	88-74-4	ug/kg	160,000	580	100	580	< 53	U	53
2-Nitrophenol	88-75-5	ug/kg	22,000,000	82,000	17,000	82,000	< 70	U	70
3,3'-Dichlorobenzidine	91-94-1	ug/kg	180,000	580	32,000	32,000	< 200	U	200

TABLE D-1
SEDIMENT RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

	Sample Location:		PADEP MSCs Non-Residential				SS-N1		
	Sample Date:						6/10/2008		
	Sample Type Code:						N		
	Start Depth:						0		
	End Depth:		Direct Contact	Soil to Groundwater			0.1		
	Matrix Code:		Surface Soil	Used Aquifer,TDS<=2500 mg/l			SE		
Chemical Name	cas_rn	Units	0-2 feet	100 X GW MSC	Generic Value	Max	Result	Qual	RDL
3-Nitroaniline	99-09-2	ug/kg	160,000	580	91	580	< 76	U	76
4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	N.S.	N.S.	N.S.	N.S.	< 620	U	620
4-Bromophenyl Phenyl Ether	101-55-3	ug/kg	N.S.	N.S.	N.S.	N.S.	< 40	U	40
4-Chloro-3-methylphenol	59-50-7	ug/kg	14,000,000	51,000	110,000	110,000	< 54	U	54
4-Chloroaniline	106-47-8	ug/kg	11,000,000	41,000	52,000	52,000	< 76	U	76
4-Chlorophenyl-phenylether	7005-72-3	ug/kg	N.S.	N.S.	N.S.	N.S.	< 44	U	44
4-Methylphenol	106-44-5	ug/kg	14,000,000	51,000	12,000	51,000	< 55	U	55
4-Nitroaniline	100-01-6	ug/kg	160,000	580	86	580	< 37	U	37
4-Nitrophenol	100-02-7	ug/kg	22,000,000	6,000	4,100	6,000	< 69	U	69
Acenaphthene	83-32-9	ug/kg	170,000,000	380,000	4,700,000	4,700,000	100	J	46
Acenaphthylene	208-96-8	ug/kg	170,000,000	610,000	6,900,000	6,900,000	62	J	51
Acetophenone	98-86-2	ug/kg	10,000,000	1,000,000	540,000	1,000,000	530	J	54
Anthracene	120-12-7	ug/kg	190,000,000	6,600	350,000	350,000	110	J	50
Atrazine	1912-24-9	ug/kg	360,000	300	130	300	< 61	U	61
Benzaldehyde	100-52-7	ug/kg	N.S.	N.S.	N.S.	N.S.	150	J	94
Benzo[a]anthracene	56-55-3	ug/kg	110,000	360	320,000	320,000	210		35
Benzo[a]pyrene	50-32-8	ug/kg	11,000	20	46,000	46,000	170	J	27
Benzo[b]fluoranthene	205-99-2	ug/kg	110,000	120	170,000	170,000	400		34
Benzo[g,h,i]perylene	191-24-2	ug/kg	170,000,000	26	180,000	180,000	230		30
Benzo[k]fluoranthene	207-08-9	ug/kg	1,100,000	55	610,000	610,000	< 28	U	28
Biphenyl	92-52-4	ug/kg	140,000,000	510,000	2,200,000	2,200,000	< 49	U	49
Bis(2-chloroethoxy)methane	111-91-1	ug/kg	N.S.	N.S.	N.S.	N.S.	< 41	U	41
Bis(2-chloroethyl) Ether	111-44-4	ug/kg	5,000	55	17	55	< 20	U	20
Bis(2-chloroisopropyl) Ether	108-60-1	ug/kg	160,000	30,000	8,000	30,000	< 53	U	53
Bis(2-ethylhexyl) Phthalate	117-81-7	ug/kg	5,700,000	600	130,000	130,000	2,600		68
Butylbenzyl Phthalate	85-68-7	ug/kg	10,000,000	270,000	10,000,000	10,000,000	4,900		71
Caprolactum	105-60-2	ug/kg	N.S.	N.S.	N.S.	N.S.	< 170	U	170
Carbazole	86-74-8	ug/kg	4,000,000	13,000	83,000	83,000	69	J	36
Chrysene	218-01-9	ug/kg	11,000,000	190	230,000	230,000	350		35
Dibenzo[a,h]anthracene	53-70-3	ug/kg	11,000	36	160,000	160,000	180		56
Dibenzofuran	132-64-9	ug/kg	N.S.	N.S.	N.S.	N.S.	110	J	49
Diethyl Phthalate	84-66-2	ug/kg	10,000,000	500,000	160,000	500,000	< 79	U	79
Dimethyl Phthalate	131-11-3	ug/kg	N.S.	N.S.	N.S.	N.S.	< 50	U	50
Di-n-Butyl Phthalate	84-74-2	ug/kg	10,000,000	1,000,000	4,100,000	4,100,000	< 150	U	150
Di-n-octyl Phthalate	117-84-0	ug/kg	10,000,000	200,000	10,000,000	10,000,000	< 62	U	62
Fluoranthene	206-44-0	ug/kg	110,000,000	26,000	3,200,000	3,200,000	610		57
Fluorene	86-73-7	ug/kg	110,000,000	190,000	3,800,000	3,800,000	98	J	43
Hexachlorobenzene	118-74-1	ug/kg	50,000	100	960	960	< 53	U	53
Hexachlorobutadiene	87-68-3	ug/kg	560,000	100	1,200	1,200	< 54	U	54
Hexachlorocyclopentadiene	77-47-4	ug/kg	10,000,000	5,000	91,000	91,000	< 41	U	41

TABLE D-1
SEDIMENT RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

	Sample Location:		PADEP MSCs Non-Residential				SS-N1		
	Sample Date:						6/10/2008		
	Sample Type Code:						N		
	Start Depth:						0		
	End Depth:		Direct Contact	Soil to Groundwater			0.1		
	Matrix Code:		Surface Soil	Used Aquifer,TDS<=2500 mg/l			SE		
Chemical Name	cas_rn	Units	0-2 feet	100 X GW MSC	Generic Value	Max	Result	Qual	RDL
Hexachloroethane	67-72-1	ug/kg	2,800,000	100	560	560	< 40	U	40
Indeno[1,2,3-cd]pyrene	193-39-5	ug/kg	110,000	360	28,000,000	28,000,000	290		31
Isophorone	78-59-1	ug/kg	10,000,000	10,000	1,900	10,000	< 49	U	49
Naphthalene	91-20-3	ug/kg	56,000,000	10,000	25,000	25,000	130	J	43
Nitrobenzene	98-95-3	ug/kg	1,400,000	5,100	2,200	5,100	< 22	U	22
N-Nitroso-di-n-propylamine	621-64-7	ug/kg	11,000	37	5.1	37	< 22	U	22
N-Nitrosodiphenylamine	86-30-6	ug/kg	16,000,000	53,000	83,000	83,000	< 48	U	48
Pentachlorophenol	87-86-5	ug/kg	660,000	100	5,000	5,000	< 66	U	66
Phenanthrene	85-01-8	ug/kg	190,000,000	110,000	10,000,000	10,000,000	620		42
Phenol	108-95-2	ug/kg	190,000,000	400,000	66,000	400,000	80	J	53
Pyrene	129-00-0	ug/kg	84,000,000	13,000	2,200,000	2,200,000	550		54

Notes
1) N.S. = No Standard
2) N = Primary sample
3) NA = Results not available.
4) SE = Sediment sample
5) RDL = Reporting Detection Limit
6) Results above the PA Non-Residential Direct Contact (0-2 ft) Values are shown in **bold**.
7) Results above the PA Non-Residential Soil to Groundwater (Used Aquifer, TDS <= 2500mg/L) Max MSCs are shown in *italics*.
8) Alpha and beta-chlordane concentrations screened against the Non-Residential Direct Contact and Soil-to-Groundwater concentrations for chlordane (CASRN #57-74-9).
9) Chromium concentrations screened against the Non-Residential Direct Contact and Soil-to-Groundwater concentrations for Chromium III (CASRN 1606-58-31).

Appendix E

Validated Groundwater Analytical Results
North Plant

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs		MW-N1			MW-N1			MW-N1			MW-N1			MW-N2		
		Sample Date:	Used Aquifers		07/08/2008			07/08/2008			09/10/2008			09/10/2008			07/08/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			D			T			D			T			D		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Inorganics																			
Aluminum	7429-90-5	ug/l	N.S.	N.S.	< 3.1	B	3.1	< 48.3	B	48.3	< 5.1	B	5.1	< 40	B	40	< 1.3	B	1.3
Antimony	7440-36-0	ug/l	6	6	0.57	J	0.047	< 0.51	B	0.51	0.38	J	0.047	0.38	J	0.047	< 0.047	U	0.047
Arsenic	7440-38-2	ug/l	10	10	8.6	J	0.14	7.9		0.14	***11.1***		0.14	***12.3***		0.14	0.85	J	0.14
Barium	7440-39-3	ug/l	2,000	2,000	99.1		0.076	98.6		0.076	151		0.076	158		0.076	36.2		0.076
Beryllium	7440-41-7	ug/l	4	4	< 0.068	U	0.068	< 0.068	U	0.068	< 0.068	U	0.068	< 0.068	U	0.068	< 0.068	U	0.068
Cadmium	7440-43-9	ug/l	5	5	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11
Calcium	7440-70-2	ug/l	N.S.	N.S.	136,000		6.3	137,000		6.3	163,000		6.3	163,000		6.3	99,300		6.3
Chromium	7440-47-3	ug/l	100	100	< 2.9	B	2.9	< 2.9	B	2.9	< 3.6	B	3.6	< 4.2	B	4.2	< 3.2	B	3.2
Cobalt	7440-48-4	ug/l	730	2,000	1.4		0.017	1.4		0.017	1.7		0.017	1.8		0.017	0.48	J	0.017
Copper	7440-50-8	ug/l	1,000	1,000	< 0.83	B	0.83	< 1.6	B	1.6	< 0.81	B	0.81	< 1.2	B	1.2	< 0.7	B	0.7
Iron	7439-89-6	ug/l	N.S.	N.S.	13,800		7.4	13,800		7.4	20,400		7.4	22,500		7.4	< 252	B	252
Lead	7439-92-1	ug/l	5	5	< 0.27	B	0.27	< 3.3	B	3.3	0.41	J	0.02	1.8		0.02	< 0.31	B	0.31
Magnesium	7439-95-4	ug/l	N.S.	N.S.	17,200		3.4	16,800		3.4	16,400		3.4	16,800		3.4	17,500		3.4
Manganese	7439-96-5	ug/l	300	300	***834***		0.047	***843***		0.047	***832***		0.047	***860***		0.047	***495***		0.047
Nickel	7440-02-0	ug/l	100	100	< 3.5	B	3.5	< 3.3	B	3.3	3.9		0.073	4.2		0.073	< 1	B	1
Potassium	7440-09-7	ug/l	N.S.	N.S.	14,800		5.6	15,100		5.6	17,400	J	5.6	16,900	J	5.6	4,170		5.6
Selenium	7782-49-2	ug/l	50	50	< 0.21	U	0.21	0.23	J	0.21	< 0.32	B	0.32	< 0.27	B	0.27	< 0.21	U	0.21
Silver	7440-22-4	ug/l	100	100	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077
Sodium	7440-23-5	ug/l	N.S.	N.S.	17,000		7	17,300		7	13,500		7	13,900		7	61,000		7
Thallium	7440-28-0	ug/l	2	2	< 0.033	B	0.033	< 0.042	B	0.042	< 0.14	B	0.14	0.15	J	0.018	< 0.018	U	0.018
Vanadium	7440-62-2	ug/l	260	720	< 0.16	B	0.16	< 0.14	B	0.14	< 0.35	B	0.35	< 1.5	B	1.5	< 0.47	B	0.47
Zinc	7440-66-6	ug/l	2,000	2,000	< 7.3	B	7.3	< 6.9	B	6.9	< 8	B	8	< 6.6	B	6.6	< 5.6	B	5.6
Mercury	7439-97-6	ug/l	2	2	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055
Cyanide	57-12-5	ug/l	200	200	< 1.7	U	1.7	1.7	J	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7
Total Dissolved Solids	TDS	mg/l	N.S.	N.S.	NA	NA	NA	602		10	NA	NA	NA	722		10	NA	NA	NA
Pesticides																			
4,4-DDD	72-54-8	ug/l	0.62	2.7	NA	NA	NA	< 0.0076	U	0.0076	NA	NA	NA	< 0.0073	U	0.0073	NA	NA	NA
4,4-DDE	72-55-9	ug/l	1.9	7.6	NA	NA	NA	< 0.0066	U	0.0066	NA	NA	NA	< 0.0064	U	0.0064	NA	NA	NA
4,4-DDT	50-29-3	ug/l	1.9	5.5	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA
Aldrin	309-00-2	ug/l	0.0087	0.037	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA
alpha-BHC	319-84-6	ug/l	0.1	0.41	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA
alpha-Chlordane	5103-71-9	ug/l	2	2	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA
alpha-Endosulfan	959-98-8	ug/l	220	500	NA	NA	NA	< 0.0073	U	0.0073	NA	NA	NA	< 0.0070	U	0.007	NA	NA	NA
beta-BHC	319-85-7	ug/l	0.37	1.4	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA
beta-Endosulfan	33213-65-9	ug/l	220	450	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA
delta-BHC	319-86-8	ug/l	22	61	NA	NA	NA	< 0.0093	U	0.0093	NA	NA	NA	< 0.0090	U	0.009	NA	NA	NA
Dieldrin	60-57-1	ug/l	0.041	0.16	NA	NA	NA	< 0.0078	U	0.0078	NA	NA	NA	< 0.0076	U	0.0076	NA	NA	NA
Endosulfan Sulfate	1031-07-8	ug/l	120	120	NA	NA	NA	< 0.016	U	0.016	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA
Endrin	72-20-8	ug/l	2	2	NA	NA	NA	< 0.0075	U	0.0075	NA	NA	NA	< 0.0072	U	0.0072	NA	NA	NA
Endrin Aldehyde	7421-93-4	ug/l	N.S.	N.S.	NA	NA	NA	< 0.012	U	0.012	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA
Endrin Ketone	53494-70-5	ug/l	N.S.	N.S.	NA	NA	NA	< 0.0098	U	0.0098	NA	NA	NA	< 0.0095	U	0.0095	NA	NA	NA

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs Used Aquifers		MW-N1			MW-N1			MW-N1			MW-N1			MW-N2		
		Sample Date:			07/08/2008			07/08/2008			09/10/2008			09/10/2008			07/08/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			D			T			D			T			D		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
gamma-BHC	58-89-9	ug/l	0.2	0.2	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA
gamma-Chlordane	5566-34-7	ug/l	2	2	NA	NA	NA	< 0.0074	U	0.0074	NA	NA	NA	< 0.0072	U	0.0072	NA	NA	NA
Heptachlor	76-44-8	ug/l	0.4	0.4	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA
Heptachlor Epoxide	1024-57-3	ug/l	0.2	0.2	NA	NA	NA	< 0.0097	U	0.0097	NA	NA	NA	< 0.0094	U	0.0094	NA	NA	NA
Methoxychlor	72-43-5	ug/l	40	40	NA	NA	NA	< 0.018	U	0.018	NA	NA	NA	< 0.017	U	0.017	NA	NA	NA
Toxaphene	8001-35-2	ug/l	3	3	NA	NA	NA	< 0.4	U	0.4	NA	NA	NA	< 0.39	U	0.39	NA	NA	NA
PCBs																			
Aroclor 1016	12674-11-2	ug/l	2.6	7.2	NA	NA	NA	< 0.099	U	0.099	NA	NA	NA	< 0.10	U	0.1	NA	NA	NA
Aroclor 1221	11104-28-2	ug/l	1.3	5.2	NA	NA	NA	< 0.098	U	0.098	NA	NA	NA	< 0.10	U	0.1	NA	NA	NA
Aroclor 1232	11141-16-5	ug/l	1.3	5.2	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.12	U	0.12	NA	NA	NA
Aroclor 1242	53469-21-9	ug/l	1.3	5.2	NA	NA	NA	< 0.073	U	0.073	NA	NA	NA	< 0.074	U	0.074	NA	NA	NA
Aroclor 1248	12672-29-6	ug/l	0.37	1.4	NA	NA	NA	< 0.089	U	0.089	NA	NA	NA	< 0.091	U	0.091	NA	NA	NA
Aroclor 1254	11097-69-1	ug/l	0.37	1.4	NA	NA	NA	< 0.09	U	0.09	NA	NA	NA	< 0.092	U	0.092	NA	NA	NA
Aroclor 1260	11096-82-5	ug/l	1.1	4.3	NA	NA	NA	< 0.053	U	0.053	NA	NA	NA	< 0.054	U	0.054	NA	NA	NA
Volatile Organic Compounds																			
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.2	0.2	NA	NA	NA	< 0.0029	U	0.0029	NA	NA	NA	< 0.0029	U	0.0029	NA	NA	NA
1,2-Dibromoethane	106-93-4	ug/l	0.05	0.05	NA	NA	NA	< 0.0021	U	0.0021	NA	NA	NA	< 0.0021	U	0.0021	NA	NA	NA
1,1,1-Trichloroethane	71-55-6	ug/l	200	200	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.3	0.3	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.15	U	0.15	NA	NA	NA
1,1,2-Trichloroethane	79-00-5	ug/l	5	5	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.20	U	0.2	NA	NA	NA
1,1-Dichloroethane	75-34-3	ug/l	27	110	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA
1,1-Dichloroethene	75-35-4	ug/l	7	7	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA	< 0.28	U	0.28	NA	NA	NA
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	70	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.15	U	0.15	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	ug/l	600	600	NA	NA	NA	< 0.086	U	0.086	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA
1,2-Dichloroethane	107-06-2	ug/l	5	5	NA	NA	NA	< 0.076	U	0.076	NA	NA	NA	< 0.21	U	0.21	NA	NA	NA
1,2-Dichloropropane	78-87-5	ug/l	5	5	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	ug/l	600	600	NA	NA	NA	< 0.1	U	0.1	NA	NA	NA	< 0.16	U	0.16	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	ug/l	75	75	NA	NA	NA	< 0.1	U	0.1	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA
2-Butanone	78-93-3	ug/l	4,000	4,000	NA	NA	NA	< 0.65	U	0.65	NA	NA	NA	1.3	J	0.5	NA	NA	NA
2-Hexanone	591-78-6	ug/l	N.S.	N.S.	NA	NA	NA	< 0.55	U	0.55	NA	NA	NA	< 0.53	U	0.53	NA	NA	NA
4-Methyl-2-pentanone	108-10-1	ug/l	190	410	NA	NA	NA	< 0.61	U	0.61	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA
Acetone	67-64-1	ug/l	3,700	10,000	NA	NA	NA	< 2.5	U	2.5	NA	NA	NA	< 9	B	9	NA	NA	NA
Benzene	71-43-2	ug/l	5	5	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA
Bromodichloromethane	75-27-4	ug/l	100	100	NA	NA	NA	< 0.099	U	0.099	NA	NA	NA	< 0.20	U	0.2	NA	NA	NA
Bromoform	75-25-2	ug/l	80	80	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA
Bromomethane	74-83-9	ug/l	10	10	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.30	U	0.3	NA	NA	NA
Carbon Disulfide	75-15-0	ug/l	1,900	4,100	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.20	U	0.2	NA	NA	NA
Carbon Tetrachloride	56-23-5	ug/l	5	5	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.30	U	0.3	NA	NA	NA
Chlorobenzene	108-90-7	ug/l	100	100	NA	NA	NA	< 0.33	U	0.33	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA
Chloroethane	75-00-3	ug/l	230	900	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA
Chloroform	67-66-3	ug/l	80	80	NA	NA	NA	< 0.068	U	0.068	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA
Chloromethane	74-87-3	ug/l	30	30	NA	NA	NA	< 0.14	U	0.14	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs		MW-N1			MW-N1			MW-N1			MW-N1			MW-N2		
		Sample Date:	Used Aquifers		07/08/2008			07/08/2008			09/10/2008			09/10/2008			07/08/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			D			T			D			T			D		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
cis-1,2-Dichloroethene	156-59-2	ug/l	70	70	NA	NA	NA	< 0.09	U	0.09	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA
cis-1,3-Dichloropropene	10061-01-5	ug/l	N.S.	N.S.	NA	NA	NA	< 0.13	U	0.13	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA
Cyclohexane	110-82-7	ug/l	N.S.	N.S.	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.30	U	0.3	NA	NA	NA
Dibromochloromethane	124-48-1	ug/l	80	80	NA	NA	NA	< 0.2	U	0.2	NA	NA	NA	< 0.16	U	0.16	NA	NA	NA
Dichlorodifluoromethane	75-71-8	ug/l	1,000	1,000	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA	< 0.26	U	0.26	NA	NA	NA
Ethylbenzene	100-41-4	ug/l	700	700	NA	NA	NA	< 0.066	U	0.066	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA
Freon 113	76-13-1	ug/l	83,000	170,000	NA	NA	NA	< 0.14	U	0.14	NA	NA	NA	< 0.30	U	0.3	NA	NA	NA
Isopropylbenzene	98-82-8	ug/l	1,100	2,300	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA
Methyl Acetate	79-20-9	ug/l	37,000	100,000	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA	< 0.10	U	0.1	NA	NA	NA
Methyl Cyclohexane	108-87-2	ug/l	N.S.	N.S.	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.32	U	0.32	NA	NA	NA
Methyl tert-Butyl Ether	1634-04-4	ug/l	20	20	NA	NA	NA	< 0.13	U	0.13	NA	NA	NA	< 0.20	U	0.2	NA	NA	NA
Methylene Chloride	75-09-2	ug/l	5	5	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.32	U	0.32	NA	NA	NA
Styrene	100-42-5	ug/l	100	100	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA
Tetrachloroethene	127-18-4	ug/l	5	5	NA	NA	NA	0.11	J	0.088	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA
Toluene	108-88-3	ug/l	1,000	1,000	NA	NA	NA	0.23	J	0.21	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA
trans-1,2-Dichloroethene	156-60-5	ug/l	100	100	NA	NA	NA	< 0.097	U	0.097	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA
trans-1,3-Dichloropropene	10061-02-6	ug/l	N.S.	N.S.	NA	NA	NA	< 0.16	U	0.16	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA
Trichloroethene	79-01-6	ug/l	5	5	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.29	U	0.29	NA	NA	NA
Trichlorofluoromethane	75-69-4	ug/l	2,000	2,000	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA	< 0.080	U	0.08	NA	NA	NA
Vinyl Chloride	75-01-4	ug/l	2	2	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.29	U	0.29	NA	NA	NA
Xylenes, Total	1330-20-7	ug/l	10,000	10,000	NA	NA	NA	< 0.2	U	0.2	NA	NA	NA	< 0.62	U	0.62	NA	NA	NA
1,2,4-Trimethylbenzene	95-63-6	ug/l	16	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA
1,3,5-Trimethylbenzene	108-67-8	ug/l	16	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA
n-Butylbenzene	104-51-8	ug/l	1,500	4,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA
n-Propylbenzene	103-65-1	ug/l	1,500	4,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA
Semivolatile Organic Compounds																			
2,4,5-Trichlorophenol	95-95-4	ug/l	3,700	10,000	NA	NA	NA	< 0.06	U	0.06	NA	NA	NA	< 0.059	U	0.059	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	ug/l	11	31	NA	NA	NA	< 0.055	U	0.055	NA	NA	NA	< 0.054	U	0.054	NA	NA	NA
2,4-Dichlorophenol	120-83-2	ug/l	20	20	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA
2,4-Dimethylphenol	105-67-9	ug/l	730	2,000	NA	NA	NA	< 0.05	U	0.05	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA
2,4-Dinitrophenol	51-28-5	ug/l	19	41	NA	NA	NA	< 1.2	U	1.2	NA	NA	NA	< 1.2	U	1.2	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	ug/l	2.1	8.4	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	ug/l	37	100	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA
2-Chloronaphthalene	91-58-7	ug/l	2,900	8,200	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA
2-Chlorophenol	95-57-8	ug/l	40	40	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA
2-Methylnaphthalene	91-57-6	ug/l	730	2,000	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA
2-Methylphenol	95-48-7	ug/l	1,800	5,100	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA
2-Nitroaniline	88-74-4	ug/l	2.1	5.8	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA
2-Nitrophenol	88-75-5	ug/l	290	820	NA	NA	NA	< 0.052	U	0.052	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	ug/l	1.5	5.8	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA
3-Nitroaniline	99-09-2	ug/l	2.1	5.8	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA	< 0.038	U	0.038	NA	NA	NA
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	N.S.	N.S.	NA	NA	NA	< 1.4	U	1.4	NA	NA	NA	< 1.3	U	1.3	NA	NA	NA

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

			Sample Location:		MW-N1			MW-N1			MW-N1			MW-N1			MW-N2		
			Sample Date:	PADEP MSCs Used Aquifers	07/08/2008			07/08/2008			09/10/2008			09/10/2008			07/08/2008		
			Matrix Code:		WG			WG			WG			WG			WG		
			Sample Typ Code:	TDS<=2500	N			N			N			N			N		
			Fraction:		D			T			D			T			D		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
4-Bromophenyl Phenyl Ether	101-55-3	ug/l	N.S.	N.S.	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA
4-Chloro-3-methylphenol	59-50-7	ug/l	180	510	NA	NA	NA	< 0.057	U	0.057	NA	NA	NA	< 0.056	U	0.056	NA	NA	NA
4-Chloroaniline	106-47-8	ug/l	150	410	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA
4-Chlorophenyl-phenylether	7005-72-3	ug/l	N.S.	N.S.	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.040	U	0.04	NA	NA	NA
4-Methylphenol	106-44-5	ug/l	180	510	NA	NA	NA	< 0.071	U	0.071	NA	NA	NA	< 0.070	U	0.07	NA	NA	NA
4-Nitroaniline	100-01-6	ug/l	2.1	5.8	NA	NA	NA	< 0.024	U	0.024	NA	NA	NA	< 0.024	U	0.024	NA	NA	NA
4-Nitrophenol	100-02-7	ug/l	60	60	NA	NA	NA	< 0.067	U	0.067	NA	NA	NA	< 0.067	U	0.067	NA	NA	NA
Acenaphthene	83-32-9	ug/l	2,200	3,800	NA	NA	NA	< 0.05	U	0.05	NA	NA	NA	< 0.050	U	0.05	NA	NA	NA
Acenaphthylene	208-96-8	ug/l	2,200	6,100	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA
Acetophenone	98-86-2	ug/l	3,700	10,000	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA
Anthracene	120-12-7	ug/l	66	66	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA
Atrazine	1912-24-9	ug/l	3	3	NA	NA	NA	< 0.037	U	0.037	NA	NA	NA	< 0.037	U	0.037	NA	NA	NA
Benzaldehyde	100-52-7	ug/l	N.S.	N.S.	NA	NA	NA	< 0.052	U	0.052	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA
Benzo[a]anthracene	56-55-3	ug/l	0.9	3.6	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA
Benzo[a]pyrene	50-32-8	ug/l	0.2	0.2	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA
Benzo[b]fluoranthene	205-99-2	ug/l	0.9	1.2	NA	NA	NA	< 0.03	U	0.03	NA	NA	NA	< 0.030	U	0.03	NA	NA	NA
Benzo[g,h,i]perylene	191-24-2	ug/l	0.26	0.26	NA	NA	NA	< 0.026	U	0.026	NA	NA	NA	< 0.026	U	0.026	NA	NA	NA
Benzo[k]fluoranthene	207-08-9	ug/l	0.55	0.55	NA	NA	NA	< 0.038	U	0.038	NA	NA	NA	< 0.037	U	0.037	NA	NA	NA
Biphenyl	92-52-4	ug/l	1,800	5,100	NA	NA	NA	< 0.058	U	0.058	NA	NA	NA	< 0.057	U	0.057	NA	NA	NA
Bis(2-chloroethoxy)methane	111-91-1	ug/l	N.S.	N.S.	NA	NA	NA	< 0.12	U	0.12	NA	NA	NA	< 0.12	U	0.12	NA	NA	NA
Bis(2-chloroethyl) Ether	111-44-4	ug/l	0.13	0.55	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA
Bis(2-chloroisopropyl) Ether	108-60-1	ug/l	300	300	NA	NA	NA	< 0.025	U	0.025	NA	NA	NA	< 0.025	U	0.025	NA	NA	NA
Bis(2-ethylhexyl) Phthalate	117-81-7	ug/l	6	6	NA	NA	NA	< 8	B	8	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA
Butylbenzyl Phthalate	85-68-7	ug/l	2,700	2,700	NA	NA	NA	< 1.3	B	1.3	NA	NA	NA	< 0.13	U	0.13	NA	NA	NA
Caprolactum	105-60-2	ug/l	N.S.	N.S.	NA	NA	NA	< 3.1	B	3.1	NA	NA	NA	< 4.2	B	4.2	NA	NA	NA
Carbazole	86-74-8	ug/l	33	130	NA	NA	NA	< 0.05	U	0.05	NA	NA	NA	< 0.050	U	0.05	NA	NA	NA
Chrysene	218-01-9	ug/l	1.9	1.9	NA	NA	NA	< 0.034	U	0.034	NA	NA	NA	< 0.034	U	0.034	NA	NA	NA
Dibenzo[a,h]anthracene	53-70-3	ug/l	0.09	0.36	NA	NA	NA	< 0.033	U	0.033	NA	NA	NA	< 0.033	U	0.033	NA	NA	NA
Dibenzofuran	132-64-9	ug/l	N.S.	N.S.	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	0.067	J	0.051	NA	NA	NA
Diethyl Phthalate	84-66-2	ug/l	5,000	5,000	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA
Dimethyl Phthalate	131-11-3	ug/l	N.S.	N.S.	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.040	U	0.04	NA	NA	NA
Di-n-Butyl Phthalate	84-74-2	ug/l	3,700	10,000	NA	NA	NA	< 0.51	B	0.51	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA
Di-n-octyl Phthalate	117-84-0	ug/l	730	2,000	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA
Fluoranthene	206-44-0	ug/l	260	260	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA
Fluorene	86-73-7	ug/l	1,500	1,900	NA	NA	NA	< 0.052	U	0.052	NA	NA	NA	0.061	J	0.051	NA	NA	NA
Hexachlorobenzene	118-74-1	ug/l	1	1	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA
Hexachlorobutadiene	87-68-3	ug/l	1	1	NA	NA	NA	< 0.036	U	0.036	NA	NA	NA	< 0.036	U	0.036	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	ug/l	50	50	NA	NA	NA	< 0.077	U	0.077	NA	NA	NA	< 0.076	U	0.076	NA	NA	NA
Hexachloroethane	67-72-1	ug/l	1	1	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA
Indeno[1,2,3-cd]pyrene	193-39-5	ug/l	0.9	3.6	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA
Isophorone	78-59-1	ug/l	100	100	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA
Naphthalene	91-20-3	ug/l	100	100	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	0.05	J	0.041	NA	NA	NA

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

			Sample Location:		MW-N1			MW-N1			MW-N1			MW-N1			MW-N2		
			Sample Date:	PADEP MSCs Used Aquifers	07/08/2008			07/08/2008			09/10/2008			09/10/2008			07/08/2008		
			Matrix Code:		WG			WG			WG			WG			WG		
			Sample Typ Code:	TDS<=2500	N			N			N			N			N		
			Fraction:		D			T			D			T			D		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Nitrobenzene	98-95-3	ug/l	18	51	NA	NA	NA	< 0.061	U	0.061	NA	NA	NA	< 0.061	U	0.061	NA	NA	NA
N-Nitroso-di-n-propylamine	621-64-7	ug/l	0.094	0.37	NA	NA	NA	< 0.057	U	0.057	NA	NA	NA	< 0.056	U	0.056	NA	NA	NA
N-Nitrosodiphenylamine	86-30-6	ug/l	130	530	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA
Pentachlorophenol	87-86-5	ug/l	1	1	NA	NA	NA	< 0.08	U	0.08	NA	NA	NA	< 0.079	U	0.079	NA	NA	NA
Phenanthrene	85-01-8	ug/l	1,100	1,100	NA	NA	NA	< 0.1	B	0.1	NA	NA	NA	0.12	J	0.052	NA	NA	NA
Phenol	108-95-2	ug/l	4,000	4,000	NA	NA	NA	< 0.021	U	0.021	NA	NA	NA	< 0.021	U	0.021	NA	NA	NA
Pyrene	129-00-0	ug/l	130	130	NA	NA	NA	< 0.054	U	0.054	NA	NA	NA	< 0.054	U	0.054	NA	NA	NA

Notes:
1) N.S. = No Standard
2) N = Primary Sample
3) FD = Field Duplicate
4) NA = Results not available.
5) T = Total Results
6) D = Dissolved Results
7) RDL = Reporting Detection Limit
8) WG = Groundwater
9) Results above the Residential PADEP MSCs (Used Aquifers, 2500 ug/L) are shown in *italics.*
10) Results above the Non-Residential PADEP MSCs (Used Aquifers, 2500 ug/L) are shown in **bold.**
11) Alpha and beta-chlordane concentrations screened against the Non-Residential Direct
Contact and Soil-to-Groundwater concentrations for chlordane (CASRN #57-74-9).

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs Used Aquifers		MW-N2			MW-N2			MW-N2			MW-N3			MW-N3		
		Sample Date:			07/08/2008			09/10/2008			09/10/2008			07/08/2008			07/08/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2S00		N			N			N			N			N		
		Fraction:			T			D			T			D			T		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Inorganics																			
Aluminum	7429-90-5	ug/l	N.S.	N.S.	< 188	B	188	< 1.9	B	1.9	139		1.2	< 1.3	B	1.3	1,490		1.2
Antimony	7440-36-0	ug/l	6	6	< 0.07	B	0.07	0.086	J	0.047	0.078	J	0.047	< 0.047	U	0.047	< 0.14	B	0.14
Arsenic	7440-38-2	ug/l	10	10	1.5		0.14	< 1.4	B	1.4	< 1.1	B	1.1	***15.9***	J	0.14	***22.2***		0.14
Barium	7440-39-3	ug/l	2,000	2,000	41		0.076	35.5		0.076	36.2		0.076	125		0.076	139		0.076
Beryllium	7440-41-7	ug/l	4	4	< 0.068	U	0.068	< 0.068	U	0.068	< 0.068	U	0.068	< 0.068	U	0.068	0.13	J	0.068
Cadmium	7440-43-9	ug/l	5	5	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11
Calcium	7440-70-2	ug/l	N.S.	N.S.	105,000		6.3	120,000		6.3	119,000		6.3	120,000		6.3	119,000		6.3
Chromium	7440-47-3	ug/l	100	100	< 3.8	B	3.8	< 4.8	B	4.8	< 7	B	7	< 2.8	B	2.8	< 6.3	B	6.3
Cobalt	7440-48-4	ug/l	730	2,000	0.66		0.017	0.42	J	0.017	0.74		0.017	0.56		0.017	2.2		0.017
Copper	7440-50-8	ug/l	1,000	1,000	< 2	B	2	< 0.74	B	0.74	< 1.4	B	1.4	< 0.69	B	0.69	< 4.3	B	4.3
Iron	7439-89-6	ug/l	N.S.	N.S.	958		7.4	170		7.4	521		7.4	8,000		7.4	12,400		7.4
Lead	7439-92-1	ug/l	5	5	< 2.4	B	2.4	< 0.17	B	0.17	0.82	J	0.02	< 0.099	B	0.099	< 8.7	B	8.7
Magnesium	7439-95-4	ug/l	N.S.	N.S.	18,500		3.4	17,600		3.4	17,400		3.4	25,700		3.4	26,200		3.4
Manganese	7439-96-5	ug/l	300	300	***573***		0.047	***308***		0.047	***307***		0.047	***1,160***		0.047	***1,260***		0.047
Nickel	7440-02-0	ug/l	100	100	< 1.5	B	1.5	1.5		0.073	2.7		0.073	< 0.4	B	0.4	< 3.8	B	3.8
Potassium	7440-09-7	ug/l	N.S.	N.S.	4,460		5.6	5,240	J	5.6	5,120	J	5.6	1,240		5.6	1,770		5.6
Selenium	7782-49-2	ug/l	50	50	< 0.21	U	0.21	< 0.38	B	0.38	< 0.48	B	0.48	< 0.21	U	0.21	< 0.21	U	0.21
Silver	7440-22-4	ug/l	100	100	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077
Sodium	7440-23-5	ug/l	N.S.	N.S.	65,200		7	53,100		7	52,100		7	6,070		7	5,860		7
Thallium	7440-28-0	ug/l	2	2	< 0.023	B	0.023	< 0.091	B	0.091	0.085	J	0.018	< 0.018	U	0.018	< 0.044	B	0.044
Vanadium	7440-62-2	ug/l	260	720	< 0.5	B	0.5	< 0.097	U	0.097	< 1.1	B	1.1	< 0.097	U	0.097	3.8		0.097
Zinc	7440-66-6	ug/l	2,000	2,000	< 7.1	B	7.1	< 5	B	5	< 5.4	B	5.4	< 11.9	B	11.9	< 95.7	B	95.7
Mercury	7439-97-6	ug/l	2	2	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055
Cyanide	57-12-5	ug/l	200	200	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7
Total Dissolved Solids	TDS	mg/l	N.S.	N.S.	619		10	NA	NA	NA	624		10	NA	NA	NA	529		10
Pesticides																			
4,4-DDD	72-54-8	ug/l	0.62	2.7	< 0.0073	U	0.0073	NA	NA	NA	< 0.0073	U	0.0073	NA	NA	NA	< 0.0073	U	0.0073
4,4-DDE	72-55-9	ug/l	1.9	7.6	< 0.0064	U	0.0064	NA	NA	NA	< 0.0064	U	0.0064	NA	NA	NA	< 0.0064	U	0.0064
4,4-DDT	50-29-3	ug/l	1.9	5.5	< 0.013	U	0.013	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA	< 0.013	U	0.013
Aldrin	309-00-2	ug/l	0.0087	0.037	< 0.011	U	0.011	NA	NA	NA	< 0.010	U	0.01	NA	NA	NA	< 0.011	U	0.011
alpha-BHC	319-84-6	ug/l	0.1	0.41	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014
alpha-Chlordane	5103-71-9	ug/l	2	2	< 0.011	U	0.011	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA	< 0.011	U	0.011
alpha-Endosulfan	959-98-8	ug/l	220	500	< 0.007	U	0.007	NA	NA	NA	< 0.0070	U	0.007	NA	NA	NA	< 0.007	U	0.007
beta-BHC	319-85-7	ug/l	0.37	1.4	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014
beta-Endosulfan	33213-65-9	ug/l	220	450	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014
delta-BHC	319-86-8	ug/l	22	61	< 0.009	U	0.009	NA	NA	NA	< 0.0089	U	0.0089	NA	NA	NA	< 0.009	U	0.009
Dieldrin	60-57-1	ug/l	0.041	0.16	< 0.0076	U	0.0076	NA	NA	NA	< 0.0075	U	0.0075	NA	NA	NA	< 0.0076	U	0.0076
Endosulfan Sulfate	1031-07-8	ug/l	120	120	< 0.015	U	0.015	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA	< 0.015	U	0.015
Endrin	72-20-8	ug/l	2	2	< 0.0072	U	0.0072	NA	NA	NA	< 0.0072	U	0.0072	NA	NA	NA	< 0.0072	U	0.0072
Endrin Aldehyde	7421-93-4	ug/l	N.S.	N.S.	< 0.011	U	0.011	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA	< 0.011	U	0.011
Endrin Ketone	53494-70-5	ug/l	N.S.	N.S.	< 0.0095	U	0.0095	NA	NA	NA	< 0.0094	U	0.0094	NA	NA	NA	< 0.0095	U	0.0095

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs		MW-N2			MW-N2			MW-N2			MW-N3			MW-N3		
		Sample Date:	Used Aquifers		07/08/2008			09/10/2008			09/10/2008			07/08/2008			07/08/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			T			D			T			D			T		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
gamma-BHC	58-89-9	ug/l	0.2	0.2	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014
gamma-Chlordane	5566-34-7	ug/l	2	2	< 0.0072	U	0.0072	NA	NA	NA	< 0.0071	U	0.0071	NA	NA	NA	< 0.0072	U	0.0072
Heptachlor	76-44-8	ug/l	0.4	0.4	< 0.013	U	0.013	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA	< 0.013	U	0.013
Heptachlor Epoxide	1024-57-3	ug/l	0.2	0.2	< 0.0094	U	0.0094	NA	NA	NA	< 0.0093	U	0.0093	NA	NA	NA	< 0.0094	U	0.0094
Methoxychlor	72-43-5	ug/l	40	40	< 0.017	U	0.017	NA	NA	NA	< 0.017	U	0.017	NA	NA	NA	< 0.017	U	0.017
Toxaphene	8001-35-2	ug/l	3	3	< 0.39	U	0.39	NA	NA	NA	< 0.39	U	0.39	NA	NA	NA	< 0.39	U	0.39
PCBs																			
Aroclor 1016	12674-11-2	ug/l	2.6	7.2	< 0.096	U	0.096	NA	NA	NA	< 0.10	U	0.1	NA	NA	NA	< 0.096	U	0.096
Aroclor 1221	11104-28-2	ug/l	1.3	5.2	< 0.095	U	0.095	NA	NA	NA	< 0.10	U	0.1	NA	NA	NA	< 0.095	U	0.095
Aroclor 1232	11141-16-5	ug/l	1.3	5.2	< 0.11	U	0.11	NA	NA	NA	< 0.12	U	0.12	NA	NA	NA	< 0.11	U	0.11
Aroclor 1242	53469-21-9	ug/l	1.3	5.2	< 0.071	U	0.071	NA	NA	NA	< 0.074	U	0.074	NA	NA	NA	< 0.071	U	0.071
Aroclor 1248	12672-29-6	ug/l	0.37	1.4	< 0.086	U	0.086	NA	NA	NA	< 0.091	U	0.091	NA	NA	NA	< 0.086	U	0.086
Aroclor 1254	11097-69-1	ug/l	0.37	1.4	< 0.087	U	0.087	NA	NA	NA	< 0.092	U	0.092	NA	NA	NA	< 0.087	U	0.087
Aroclor 1260	11096-82-5	ug/l	1.1	4.3	< 0.051	U	0.051	NA	NA	NA	< 0.054	U	0.054	NA	NA	NA	< 0.051	U	0.051
Volatile Organic Compounds																			
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.2	0.2	< 0.0029	U	0.0029	NA	NA	NA	< 0.0029	U	0.0029	NA	NA	NA	< 0.0029	U	0.0029
1,2-Dibromoethane	106-93-4	ug/l	0.05	0.05	< 0.0021	U	0.0021	NA	NA	NA	< 0.0021	U	0.0021	NA	NA	NA	< 0.0021	U	0.0021
1,1,1-Trichloroethane	71-55-6	ug/l	200	200	1.3		0.11	NA	NA	NA	1.3		0.25	NA	NA	NA	< 0.11	U	0.11
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.3	0.3	< 0.22	U	0.22	NA	NA	NA	< 0.15	U	0.15	NA	NA	NA	< 0.22	U	0.22
1,1,2-Trichloroethane	79-00-5	ug/l	5	5	< 0.11	U	0.11	NA	NA	NA	< 0.20	U	0.2	NA	NA	NA	< 0.11	U	0.11
1,1-Dichloroethane	75-34-3	ug/l	27	110	1.2		0.19	NA	NA	NA	1.1		0.24	NA	NA	NA	< 0.19	U	0.19
1,1-Dichloroethene	75-35-4	ug/l	7	7	< 0.17	U	0.17	NA	NA	NA	< 0.28	U	0.28	NA	NA	NA	< 0.17	U	0.17
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	70	< 0.11	U	0.11	NA	NA	NA	< 0.15	U	0.15	NA	NA	NA	< 0.11	U	0.11
1,2-Dichlorobenzene	95-50-1	ug/l	600	600	< 0.086	U	0.086	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.086	U	0.086
1,2-Dichloroethane	107-06-2	ug/l	5	5	< 0.076	U	0.076	NA	NA	NA	< 0.21	U	0.21	NA	NA	NA	< 0.076	U	0.076
1,2-Dichloropropane	78-87-5	ug/l	5	5	< 0.24	U	0.24	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.24	U	0.24
1,3-Dichlorobenzene	541-73-1	ug/l	600	600	< 0.1	U	0.1	NA	NA	NA	< 0.16	U	0.16	NA	NA	NA	< 0.1	U	0.1
1,4-Dichlorobenzene	106-46-7	ug/l	75	75	< 0.1	U	0.1	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.1	U	0.1
2-Butanone	78-93-3	ug/l	4,000	4,000	< 0.65	U	0.65	NA	NA	NA	< 0.50	U	0.5	NA	NA	NA	< 0.65	U	0.65
2-Hexanone	591-78-6	ug/l	N.S.	N.S.	< 0.55	U	0.55	NA	NA	NA	< 0.53	U	0.53	NA	NA	NA	< 0.55	U	0.55
4-Methyl-2-pentanone	108-10-1	ug/l	190	410	< 0.61	U	0.61	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA	< 0.61	U	0.61
Acetone	67-64-1	ug/l	3,700	10,000	< 2.5	U	2.5	NA	NA	NA	< 2.5	B	2.5	NA	NA	NA	< 2.5	U	2.5
Benzene	71-43-2	ug/l	5	5	< 0.19	U	0.19	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.19	U	0.19
Bromodichloromethane	75-27-4	ug/l	100	100	< 0.099	U	0.099	NA	NA	NA	< 0.20	U	0.2	NA	NA	NA	< 0.099	U	0.099
Bromoform	75-25-2	ug/l	80	80	< 0.27	U	0.27	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA	< 0.27	U	0.27
Bromomethane	74-83-9	ug/l	10	10	< 0.18	U	0.18	NA	NA	NA	< 0.30	U	0.3	NA	NA	NA	< 0.18	U	0.18
Carbon Disulfide	75-15-0	ug/l	1,900	4,100	< 0.11	U	0.11	NA	NA	NA	< 0.20	U	0.2	NA	NA	NA	< 0.11	U	0.11
Carbon Tetrachloride	56-23-5	ug/l	5	5	< 0.22	U	0.22	NA	NA	NA	< 0.30	U	0.3	NA	NA	NA	< 0.22	U	0.22
Chlorobenzene	108-90-7	ug/l	100	100	< 0.33	U	0.33	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA	< 0.33	U	0.33
Chloroethane	75-00-3	ug/l	230	900	< 0.11	U	0.11	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA	< 0.11	U	0.11
Chloroform	67-66-3	ug/l	80	80	< 0.068	U	0.068	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA	< 0.068	U	0.068
Chloromethane	74-87-3	ug/l	30	30	< 0.14	U	0.14	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.14	U	0.14

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs Used Aquifers		MW-N2			MW-N2			MW-N2			MW-N3			MW-N3		
		Sample Date:			07/08/2008			09/10/2008			09/10/2008			07/08/2008			07/08/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			T			D			T			D			T		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
cis-1,2-Dichloroethene	156-59-2	ug/l	70	70	16		0.09	NA	NA	NA	15		0.27	NA	NA	NA	< 0.09	U	0.09
cis-1,3-Dichloropropene	10061-01-5	ug/l	N.S.	N.S.	< 0.13	U	0.13	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.13	U	0.13
Cyclohexane	110-82-7	ug/l	N.S.	N.S.	< 0.11	U	0.11	NA	NA	NA	< 0.30	U	0.3	NA	NA	NA	< 0.11	U	0.11
Dibromochloromethane	124-48-1	ug/l	80	80	< 0.2	U	0.2	NA	NA	NA	< 0.16	U	0.16	NA	NA	NA	< 0.2	U	0.2
Dichlorodifluoromethane	75-71-8	ug/l	1,000	1,000	< 0.23	U	0.23	NA	NA	NA	< 0.26	U	0.26	NA	NA	NA	< 0.23	U	0.23
Ethylbenzene	100-41-4	ug/l	700	700	< 0.066	U	0.066	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.066	U	0.066
Freon 113	76-13-1	ug/l	83,000	170,000	< 0.14	U	0.14	NA	NA	NA	< 0.30	U	0.3	NA	NA	NA	< 0.14	U	0.14
Isopropylbenzene	98-82-8	ug/l	1,100	2,300	< 0.27	U	0.27	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.27	U	0.27
Methyl Acetate	79-20-9	ug/l	37,000	100,000	< 0.17	U	0.17	NA	NA	NA	< 0.10	U	0.1	NA	NA	NA	< 0.17	U	0.17
Methyl Cyclohexane	108-87-2	ug/l	N.S.	N.S.	< 0.18	U	0.18	NA	NA	NA	< 0.32	U	0.32	NA	NA	NA	< 0.18	U	0.18
Methyl tert-Butyl Ether	1634-04-4	ug/l	20	20	0.15	J	0.13	NA	NA	NA	< 0.20	U	0.2	NA	NA	NA	< 0.13	U	0.13
Methylene Chloride	75-09-2	ug/l	5	5	< 0.19	U	0.19	NA	NA	NA	< 0.32	U	0.32	NA	NA	NA	< 0.19	U	0.19
Styrene	100-42-5	ug/l	100	100	< 0.25	U	0.25	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.25	U	0.25
Tetrachloroethene	127-18-4	ug/l	5	5	***24***		0.088	NA	NA	NA	***23***		0.24	NA	NA	NA	< 0.088	U	0.088
Toluene	108-88-3	ug/l	1,000	1,000	< 0.21	U	0.21	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA	0.35	J	0.21
trans-1,2-Dichloroethene	156-60-5	ug/l	100	100	0.47	J	0.097	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.097	U	0.097
trans-1,3-Dichloropropene	10061-02-6	ug/l	N.S.	N.S.	< 0.16	U	0.16	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.16	U	0.16
Trichloroethene	79-01-6	ug/l	5	5	3		0.22	NA	NA	NA	2.8		0.29	NA	NA	NA	< 0.22	U	0.22
Trichlorofluoromethane	75-69-4	ug/l	2,000	2,000	< 0.17	U	0.17	NA	NA	NA	< 0.080	U	0.08	NA	NA	NA	< 0.17	U	0.17
Vinyl Chloride	75-01-4	ug/l	2	2	***12***		0.11	NA	NA	NA	***14***		0.29	NA	NA	NA	< 0.11	U	0.11
Xylenes, Total	1330-20-7	ug/l	10,000	10,000	< 0.2	U	0.2	NA	NA	NA	< 0.62	U	0.62	NA	NA	NA	0.34	J	0.2
1,2,4-Trimethylbenzene	95-63-6	ug/l	16	35	NA	NA	NA	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	108-67-8	ug/l	16	35	NA	NA	NA	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	NA	NA	NA
n-Butylbenzene	104-51-8	ug/l	1,500	4,100	NA	NA	NA	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	NA	NA	NA
n-Propylbenzene	103-65-1	ug/l	1,500	4,100	NA	NA	NA	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	NA	NA	NA
Semivolatile Organic Compounds																			
2,4,5-Trichlorophenol	95-95-4	ug/l	3,700	10,000	< 0.06	U	0.06	NA	NA	NA	< 0.059	U	0.059	NA	NA	NA	< 0.059	U	0.059
2,4,6-Trichlorophenol	88-06-2	ug/l	11	31	< 0.055	U	0.055	NA	NA	NA	< 0.054	U	0.054	NA	NA	NA	< 0.053	U	0.053
2,4-Dichlorophenol	120-83-2	ug/l	20	20	< 0.047	U	0.047	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.046	U	0.046
2,4-Dimethylphenol	105-67-9	ug/l	730	2,000	< 0.05	U	0.05	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	< 0.049	U	0.049
2,4-Dinitrophenol	51-28-5	ug/l	19	41	< 1.2	U	1.2	NA	NA	NA	< 1.2	U	1.2	NA	NA	NA	< 1.2	U	1.2
2,4-Dinitrotoluene	121-14-2	ug/l	2.1	8.4	< 0.043	U	0.043	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.042	U	0.042
2,6-Dinitrotoluene	606-20-2	ug/l	37	100	< 0.049	U	0.049	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA	< 0.048	U	0.048
2-Chloronaphthalene	91-58-7	ug/l	2,900	8,200	< 0.042	U	0.042	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.042	U	0.042
2-Chlorophenol	95-57-8	ug/l	40	40	< 0.044	U	0.044	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.043	U	0.043
2-Methylnaphthalene	91-57-6	ug/l	730	2,000	0.056	J	0.045	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.044	U	0.044
2-Methylphenol	95-48-7	ug/l	1,800	5,100	< 0.049	U	0.049	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	< 0.048	U	0.048
2-Nitroaniline	88-74-4	ug/l	2.1	5.8	< 0.046	U	0.046	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.045	U	0.045
2-Nitrophenol	88-75-5	ug/l	290	820	< 0.052	U	0.052	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	< 0.051	U	0.051
3,3'-Dichlorobenzidine	91-94-1	ug/l	1.5	5.8	< 0.039	U	0.039	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA	< 0.039	U	0.039
3-Nitroaniline	99-09-2	ug/l	2.1	5.8	0.61	J	0.039	NA	NA	NA	< 0.038	U	0.038	NA	NA	NA	< 0.038	U	0.038
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	N.S.	N.S.	< 1.4	U	1.4	NA	NA	NA	< 1.3	U	1.3	NA	NA	NA	< 1.3	U	1.3

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs		MW-N2			MW-N2			MW-N2			MW-N3			MW-N3		
		Sample Date:	Used Aquifers		07/08/2008			09/10/2008			09/10/2008			07/08/2008			07/08/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			T			D			T			D			T		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
4-Bromophenyl Phenyl Ether	101-55-3	ug/l	N.S.	N.S.	< 0.048	U	0.048	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA	< 0.047	U	0.047
4-Chloro-3-methylphenol	59-50-7	ug/l	180	510	< 0.057	U	0.057	NA	NA	NA	< 0.056	U	0.056	NA	NA	NA	< 0.055	U	0.055
4-Chloroaniline	106-47-8	ug/l	150	410	< 0.044	U	0.044	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.043	U	0.043
4-Chlorophenyl-phenylether	7005-72-3	ug/l	N.S.	N.S.	< 0.041	U	0.041	NA	NA	NA	< 0.040	U	0.04	NA	NA	NA	< 0.04	U	0.04
4-Methylphenol	106-44-5	ug/l	180	510	< 0.071	U	0.071	NA	NA	NA	< 0.070	U	0.07	NA	NA	NA	< 0.069	U	0.069
4-Nitroaniline	100-01-6	ug/l	2.1	5.8	0.42	J	0.024	NA	NA	NA	< 0.024	U	0.024	NA	NA	NA	< 0.024	U	0.024
4-Nitrophenol	100-02-7	ug/l	60	60	< 0.067	U	0.067	NA	NA	NA	< 0.067	U	0.067	NA	NA	NA	< 0.066	U	0.066
Acenaphthene	83-32-9	ug/l	2,200	3,800	0.07	J	0.05	NA	NA	NA	< 0.050	U	0.05	NA	NA	NA	< 0.049	U	0.049
Acenaphthylene	208-96-8	ug/l	2,200	6,100	0.045	J	0.044	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.043	U	0.043
Acetophenone	98-86-2	ug/l	3,700	10,000	< 0.044	U	0.044	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.044	U	0.044
Anthracene	120-12-7	ug/l	66	66	0.13	J	0.049	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA	< 0.048	U	0.048
Atrazine	1912-24-9	ug/l	3	3	< 0.037	U	0.037	NA	NA	NA	< 0.037	U	0.037	NA	NA	NA	< 0.037	U	0.037
Benzaldehyde	100-52-7	ug/l	N.S.	N.S.	< 0.052	U	0.052	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	< 0.051	U	0.051
Benzo[a]anthracene	56-55-3	ug/l	0.9	3.6	0.19		0.039	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA	< 0.039	U	0.039
Benzo[a]pyrene	50-32-8	ug/l	0.2	0.2	0.15	J	0.042	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.041	U	0.041
Benzo[b]fluoranthene	205-99-2	ug/l	0.9	1.2	0.16	J	0.03	NA	NA	NA	< 0.030	U	0.03	NA	NA	NA	< 0.029	U	0.029
Benzo[g,h,i]perylene	191-24-2	ug/l	0.26	0.26	0.17	J	0.026	NA	NA	NA	< 0.026	U	0.026	NA	NA	NA	< 0.026	U	0.026
Benzo[k]fluoranthene	207-08-9	ug/l	0.55	0.55	0.15	J	0.038	NA	NA	NA	< 0.037	U	0.037	NA	NA	NA	< 0.037	U	0.037
Biphenyl	92-52-4	ug/l	1,800	5,100	< 0.058	U	0.058	NA	NA	NA	< 0.057	U	0.057	NA	NA	NA	< 0.057	U	0.057
Bis(2-chloroethoxy)methane	111-91-1	ug/l	N.S.	N.S.	< 0.12	U	0.12	NA	NA	NA	< 0.12	U	0.12	NA	NA	NA	< 0.11	U	0.11
Bis(2-chloroethyl) Ether	111-44-4	ug/l	0.13	0.55	< 0.044	U	0.044	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.043	U	0.043
Bis(2-chloroisopropyl) Ether	108-60-1	ug/l	300	300	< 0.025	U	0.025	NA	NA	NA	< 0.025	U	0.025	NA	NA	NA	< 0.024	U	0.024
Bis(2-ethylhexyl) Phthalate	117-81-7	ug/l	6	6	< 7.2	B	7.2	NA	NA	NA	< 0.41	B	0.41	NA	NA	NA	< 5.8	B	5.8
Butylbenzyl Phthalate	85-68-7	ug/l	2,700	2,700	< 1.3	B	1.3	NA	NA	NA	< 0.13	U	0.13	NA	NA	NA	< 1.5	B	1.5
Caprolactum	105-60-2	ug/l	N.S.	N.S.	< 3.2	B	3.2	NA	NA	NA	< 0.49	B	0.49	NA	NA	NA	< 3.4	B	3.4
Carbazole	86-74-8	ug/l	33	130	0.24		0.05	NA	NA	NA	< 0.050	U	0.05	NA	NA	NA	< 0.049	U	0.049
Chrysene	218-01-9	ug/l	1.9	1.9	0.18	J	0.034	NA	NA	NA	< 0.034	U	0.034	NA	NA	NA	< 0.033	U	0.033
Dibenzo[a,h]anthracene	53-70-3	ug/l	0.09	0.36	*0.14*	J	0.033	NA	NA	NA	< 0.033	U	0.033	NA	NA	NA	< 0.033	U	0.033
Dibenzofuran	132-64-9	ug/l	N.S.	N.S.	0.1	J	0.051	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	< 0.05	U	0.05
Diethyl Phthalate	84-66-2	ug/l	5,000	5,000	< 0.23	U	0.23	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA	< 0.23	U	0.23
Dimethyl Phthalate	131-11-3	ug/l	N.S.	N.S.	< 0.041	U	0.041	NA	NA	NA	< 0.040	U	0.04	NA	NA	NA	< 0.04	U	0.04
Di-n-Butyl Phthalate	84-74-2	ug/l	3,700	10,000	< 0.69	B	0.69	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.48	B	0.48
Di-n-octyl Phthalate	117-84-0	ug/l	730	2,000	0.18	J	0.041	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.04	U	0.04
Fluoranthene	206-44-0	ug/l	260	260	0.24		0.048	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA	< 0.047	U	0.047
Fluorene	86-73-7	ug/l	1,500	1,900	< 0.052	U	0.052	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	< 0.051	U	0.051
Hexachlorobenzene	118-74-1	ug/l	1	1	< 0.042	U	0.042	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.041	U	0.041
Hexachlorobutadiene	87-68-3	ug/l	1	1	< 0.036	U	0.036	NA	NA	NA	< 0.036	U	0.036	NA	NA	NA	< 0.035	U	0.035
Hexachlorocyclopentadiene	77-47-4	ug/l	50	50	< 0.077	U	0.077	NA	NA	NA	< 0.076	U	0.076	NA	NA	NA	< 0.075	U	0.075
Hexachloroethane	67-72-1	ug/l	1	1	< 0.042	U	0.042	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.041	U	0.041
Indeno[1,2,3-cd]pyrene	193-39-5	ug/l	0.9	3.6	0.13	J	0.046	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.045	U	0.045
Isophorone	78-59-1	ug/l	100	100	< 0.045	U	0.045	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.045	U	0.045
Naphthalene	91-20-3	ug/l	100	100	< 0.041	U	0.041	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.04	U	0.04

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs Used Aquifers		MW-N2			MW-N2			MW-N2			MW-N3			MW-N3		
		Sample Date:			07/08/2008			09/10/2008			09/10/2008			07/08/2008			07/08/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			T			D			T			D			T		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Nitrobenzene	98-95-3	ug/l	18	51	< 0.061	U	0.061	NA	NA	NA	< 0.061	U	0.061	NA	NA	NA	< 0.06	U	0.06
N-Nitroso-di-n-propylamine	621-64-7	ug/l	0.094	0.37	< 0.057	U	0.057	NA	NA	NA	< 0.056	U	0.056	NA	NA	NA	< 0.056	U	0.056
N-Nitrosodiphenylamine	86-30-6	ug/l	130	530	0.11	J	0.047	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.046	U	0.046
Pentachlorophenol	87-86-5	ug/l	1	1	< 0.08	U	0.08	NA	NA	NA	< 0.079	U	0.079	NA	NA	NA	< 0.078	U	0.078
Phenanthrene	85-01-8	ug/l	1,100	1,100	< 0.28	B	0.28	NA	NA	NA	0.081	J	0.052	NA	NA	NA	< 0.12	B	0.12
Phenol	108-95-2	ug/l	4,000	4,000	< 0.021	U	0.021	NA	NA	NA	< 0.021	U	0.021	NA	NA	NA	< 0.021	U	0.021
Pyrene	129-00-0	ug/l	130	130	0.18	J	0.054	NA	NA	NA	< 0.054	U	0.054	NA	NA	NA	< 0.053	U	0.053

Notes:
1) N.S. = No Standard
2) N = Primary Sample
3) FD = Field Duplicate
4) NA = Results not available.
5) T = Total Results
6) D = Dissolved Results
7) RDL = Reporting Detection Limit
8) WG = Groundwater
9) Results above the Residential PADEP MSCs (Used Aquifers, 2500 ug/L) are shown in *italics*.
10) Results above the Non-Residential PADEP MSCs (Used Aquifers, 2500 ug/L) are shown in **bold.**
11) Alpha and beta-chlordane concentrations screened against the Non-Residential Direct Contact and Soil-to-Groundwater concentrations for chlordane (CASRN #57-74-9).

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

			Sample Location:		MW-N3			MW-N3			MW-N4			MW-N4			MW-N4		
			Sample Date:	PADEP MSCs Used Aquifers	09/10/2008			09/10/2008			07/08/2008			07/08/2008			09/10/2008		
			Matrix Code:		WG			WG			WG			WG			WG		
			Sample Typ Code:	TDS<=2500	N			N			N			N			N		
			Fraction:	-	D			T			D			T			D		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Inorganics																			
Aluminum	7429-90-5	ug/l	N.S.	N.S.	< 2.8	B	2.8	4,180		1.2	< 2.8	B	2.8	< 143	B	143	< 2.1	B	2.1
Antimony	7440-36-0	ug/l	6	6	0.12	J	0.047	0.2	J	0.047	0.62	J	0.047	< 0.23	B	0.23	0.12	J	0.047
Arsenic	7440-38-2	ug/l	10	10	***40.7***		0.14	***69.8***		0.14	1.6	J	0.14	1.6		0.14	< 2.2	B	2.2
Barium	7440-39-3	ug/l	2,000	2,000	130		0.076	132		0.076	53		0.076	54.5		0.076	46.5		0.076
Beryllium	7440-41-7	ug/l	4	4	< 0.068	U	0.068	0.23	J	0.068	< 0.068	U	0.068	< 0.068	U	0.068	< 0.068	U	0.068
Cadmium	7440-43-9	ug/l	5	5	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11
Calcium	7440-70-2	ug/l	N.S.	N.S.	124,000		6.3	130,000		6.3	77,000		6.3	76,200		6.3	85,900		6.3
Chromium	7440-47-3	ug/l	100	100	< 6.9	B	6.9	43.2		0.11	< 2.5	B	2.5	< 3.4	B	3.4	< 4.7	B	4.7
Cobalt	7440-48-4	ug/l	730	2,000	0.58		0.017	4.8		0.017	0.72		0.017	0.75		0.017	0.37	J	0.017
Copper	7440-50-8	ug/l	1,000	1,000	< 0.46	B	0.46	11.7		0.14	< 0.5	B	0.5	< 0.91	B	0.91	< 0.34	B	0.34
Iron	7439-89-6	ug/l	N.S.	N.S.	9,440		7.4	23,200		7.4	405		7.4	731		7.4	513		7.4
Lead	7439-92-1	ug/l	5	5	< 0.063	B	0.063	***15.8***		0.02	< 0.15	B	0.15	< 0.54	B	0.54	< 0.04	B	0.04
Magnesium	7439-95-4	ug/l	N.S.	N.S.	25,900		3.4	29,500		3.4	14,900		3.4	14,200		3.4	12,700		3.4
Manganese	7439-96-5	ug/l	300	300	***729***		0.047	***1,380***		0.047	222		0.047	246		0.047	167		0.047
Nickel	7440-02-0	ug/l	100	100	3.7		0.073	32.3		0.073	< 1.3	B	1.3	< 1.3	B	1.3	1.3		0.073
Potassium	7440-09-7	ug/l	N.S.	N.S.	926	J	5.6	2,040	J	5.6	3,160		5.6	3,220		5.6	3,510	J	5.6
Selenium	7782-49-2	ug/l	50	50	< 0.38	B	0.38	< 0.79	B	0.79	< 0.21	U	0.21	< 0.21	U	0.21	< 0.5	B	0.5
Silver	7440-22-4	ug/l	100	100	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077
Sodium	7440-23-5	ug/l	N.S.	N.S.	4,590		7	4,240		7	56,000		7	55,700		7	44,200		7
Thallium	7440-28-0	ug/l	2	2	< 0.061	B	0.061	0.14	J	0.018	< 0.027	B	0.027	< 0.026	B	0.026	< 0.042	B	0.042
Vanadium	7440-62-2	ug/l	260	720	< 0.097	U	0.097	9.9		0.097	< 0.33	B	0.33	< 0.6	B	0.6	< 0.097	U	0.097
Zinc	7440-66-6	ug/l	2,000	2,000	< 11.6	B	11.6	114		0.6	< 5.8	B	5.8	< 6.9	B	6.9	< 5	B	5
Mercury	7439-97-6	ug/l	2	2	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055	< 0.064	B	0.064
Cyanide	57-12-5	ug/l	200	200	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7
Total Dissolved Solids	TDS	mg/l	N.S.	N.S.	NA	NA	NA	480		10	NA	NA	NA	460		10	NA	NA	NA
Pesticides																			
4,4-DDD	72-54-8	ug/l	0.62	2.7	NA	NA	NA	< 0.0073	U	0.0073	NA	NA	NA	< 0.0073	U	0.0073	NA	NA	NA
4,4-DDE	72-55-9	ug/l	1.9	7.6	NA	NA	NA	< 0.0064	U	0.0064	NA	NA	NA	< 0.0064	U	0.0064	NA	NA	NA
4,4-DDT	50-29-3	ug/l	1.9	5.5	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA
Aldrin	309-00-2	ug/l	0.0087	0.037	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA
alpha-BHC	319-84-6	ug/l	0.1	0.41	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA
alpha-Chlordane	5103-71-9	ug/l	2	2	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA
alpha-Endosulfan	959-98-8	ug/l	220	500	NA	NA	NA	< 0.0070	U	0.007	NA	NA	NA	< 0.007	U	0.007	NA	NA	NA
beta-BHC	319-85-7	ug/l	0.37	1.4	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA
beta-Endosulfan	33213-65-9	ug/l	220	450	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA
delta-BHC	319-86-8	ug/l	22	61	NA	NA	NA	< 0.0090	U	0.009	NA	NA	NA	< 0.009	U	0.009	NA	NA	NA
Dieldrin	60-57-1	ug/l	0.041	0.16	NA	NA	NA	< 0.0076	U	0.0076	NA	NA	NA	< 0.0076	U	0.0076	NA	NA	NA
Endosulfan Sulfate	1031-07-8	ug/l	120	120	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA
Endrin	72-20-8	ug/l	2	2	NA	NA	NA	< 0.0072	U	0.0072	NA	NA	NA	< 0.0072	U	0.0072	NA	NA	NA
Endrin Aldehyde	7421-93-4	ug/l	N.S.	N.S.	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA
Endrin Ketone	53494-70-5	ug/l	N.S.	N.S.	NA	NA	NA	< 0.0095	U	0.0095	NA	NA	NA	< 0.0095	U	0.0095	NA	NA	NA

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs		MW-N3			MW-N3			MW-N4			MW-N4			MW-N4		
		Sample Date:	Used Aquifers		09/10/2008			09/10/2008			07/08/2008			07/08/2008			09/10/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			D			T			D			T			D		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
gamma-BHC	58-89-9	ug/l	0.2	0.2	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA
gamma-Chlordane	5566-34-7	ug/l	2	2	NA	NA	NA	< 0.0072	U	0.0072	NA	NA	NA	< 0.0072	U	0.0072	NA	NA	NA
Heptachlor	76-44-8	ug/l	0.4	0.4	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA
Heptachlor Epoxide	1024-57-3	ug/l	0.2	0.2	NA	NA	NA	< 0.0094	U	0.0094	NA	NA	NA	< 0.0094	U	0.0094	NA	NA	NA
Methoxychlor	72-43-5	ug/l	40	40	NA	NA	NA	< 0.017	U	0.017	NA	NA	NA	< 0.017	U	0.017	NA	NA	NA
Toxaphene	8001-35-2	ug/l	3	3	NA	NA	NA	< 0.39	U	0.39	NA	NA	NA	< 0.39	U	0.39	NA	NA	NA
PCBs																			
Aroclor 1016	12674-11-2	ug/l	2.6	7.2	NA	NA	NA	< 0.10	U	0.1	NA	NA	NA	< 0.096	U	0.096	NA	NA	NA
Aroclor 1221	11104-28-2	ug/l	1.3	5.2	NA	NA	NA	< 0.10	U	0.1	NA	NA	NA	< 0.095	U	0.095	NA	NA	NA
Aroclor 1232	11141-16-5	ug/l	1.3	5.2	NA	NA	NA	< 0.12	U	0.12	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA
Aroclor 1242	53469-21-9	ug/l	1.3	5.2	NA	NA	NA	< 0.074	U	0.074	NA	NA	NA	< 0.071	U	0.071	NA	NA	NA
Aroclor 1248	12672-29-6	ug/l	0.37	1.4	NA	NA	NA	< 0.091	U	0.091	NA	NA	NA	< 0.086	U	0.086	NA	NA	NA
Aroclor 1254	11097-69-1	ug/l	0.37	1.4	NA	NA	NA	< 0.092	U	0.092	NA	NA	NA	< 0.087	U	0.087	NA	NA	NA
Aroclor 1260	11096-82-5	ug/l	1.1	4.3	NA	NA	NA	< 0.054	U	0.054	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA
Volatile Organic Compounds																			
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.2	0.2	NA	NA	NA	< 0.0029	U	0.0029	NA	NA	NA	< 0.0029	U	0.0029	NA	NA	NA
1,2-Dibromoethane	106-93-4	ug/l	0.05	0.05	NA	NA	NA	< 0.0021	U	0.0021	NA	NA	NA	< 0.0021	U	0.0021	NA	NA	NA
1,1,1-Trichloroethane	71-55-6	ug/l	200	200	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.3	0.3	NA	NA	NA	< 0.15	U	0.15	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA
1,1,2-Trichloroethane	79-00-5	ug/l	5	5	NA	NA	NA	< 0.20	U	0.2	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA
1,1-Dichloroethane	75-34-3	ug/l	27	110	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA
1,1-Dichloroethene	75-35-4	ug/l	7	7	NA	NA	NA	< 0.28	U	0.28	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	70	NA	NA	NA	< 0.15	U	0.15	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	ug/l	600	600	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.086	U	0.086	NA	NA	NA
1,2-Dichloroethane	107-06-2	ug/l	5	5	NA	NA	NA	< 0.21	U	0.21	NA	NA	NA	< 0.076	U	0.076	NA	NA	NA
1,2-Dichloropropane	78-87-5	ug/l	5	5	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	ug/l	600	600	NA	NA	NA	< 0.16	U	0.16	NA	NA	NA	< 0.1	U	0.1	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	ug/l	75	75	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.1	U	0.1	NA	NA	NA
2-Butanone	78-93-3	ug/l	4,000	4,000	NA	NA	NA	< 0.50	U	0.5	NA	NA	NA	< 0.65	U	0.65	NA	NA	NA
2-Hexanone	591-78-6	ug/l	N.S.	N.S.	NA	NA	NA	< 0.53	U	0.53	NA	NA	NA	< 0.55	U	0.55	NA	NA	NA
4-Methyl-2-pentanone	108-10-1	ug/l	190	410	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA	< 0.61	U	0.61	NA	NA	NA
Acetone	67-64-1	ug/l	3,700	10,000	NA	NA	NA	< 2.5	U	2.5	NA	NA	NA	< 2.5	U	2.5	NA	NA	NA
Benzene	71-43-2	ug/l	5	5	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA
Bromodichloromethane	75-27-4	ug/l	100	100	NA	NA	NA	< 0.20	U	0.2	NA	NA	NA	< 0.099	U	0.099	NA	NA	NA
Bromoform	75-25-2	ug/l	80	80	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA
Bromomethane	74-83-9	ug/l	10	10	NA	NA	NA	< 0.30	U	0.3	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA
Carbon Disulfide	75-15-0	ug/l	1,900	4,100	NA	NA	NA	< 0.20	U	0.2	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA
Carbon Tetrachloride	56-23-5	ug/l	5	5	NA	NA	NA	< 0.30	U	0.3	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA
Chlorobenzene	108-90-7	ug/l	100	100	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA	< 0.33	U	0.33	NA	NA	NA
Chloroethane	75-00-3	ug/l	230	900	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA
Chloroform	67-66-3	ug/l	80	80	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA	< 0.068	U	0.068	NA	NA	NA
Chloromethane	74-87-3	ug/l	30	30	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.14	U	0.14	NA	NA	NA

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs Used Aquifers		MW-N3			MW-N3			MW-N4			MW-N4			MW-N4		
		Sample Date:			09/10/2008			09/10/2008			07/08/2008			07/08/2008			09/10/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			D			T			D			T			D		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
cis-1,2-Dichloroethene	156-59-2	ug/l	70	70	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.09	U	0.09	NA	NA	NA
cis-1,3-Dichloropropene	10061-01-5	ug/l	N.S.	N.S.	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.13	U	0.13	NA	NA	NA
Cyclohexane	110-82-7	ug/l	N.S.	N.S.	NA	NA	NA	< 0.30	U	0.3	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA
Dibromochloromethane	124-48-1	ug/l	80	80	NA	NA	NA	< 0.16	U	0.16	NA	NA	NA	< 0.2	U	0.2	NA	NA	NA
Dichlorodifluoromethane	75-71-8	ug/l	1,000	1,000	NA	NA	NA	< 0.26	U	0.26	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA
Ethylbenzene	100-41-4	ug/l	700	700	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.066	U	0.066	NA	NA	NA
Freon 113	76-13-1	ug/l	83,000	170,000	NA	NA	NA	< 0.30	U	0.3	NA	NA	NA	< 0.14	U	0.14	NA	NA	NA
Isopropylbenzene	98-82-8	ug/l	1,100	2,300	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA
Methyl Acetate	79-20-9	ug/l	37,000	100,000	NA	NA	NA	< 0.10	U	0.1	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA
Methyl Cyclohexane	108-87-2	ug/l	N.S.	N.S.	NA	NA	NA	< 0.32	U	0.32	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA
Methyl tert-Butyl Ether	1634-04-4	ug/l	20	20	NA	NA	NA	< 0.20	U	0.2	NA	NA	NA	< 0.13	U	0.13	NA	NA	NA
Methylene Chloride	75-09-2	ug/l	5	5	NA	NA	NA	< 0.32	U	0.32	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA
Styrene	100-42-5	ug/l	100	100	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA
Tetrachloroethene	127-18-4	ug/l	5	5	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA	< 0.088	U	0.088	NA	NA	NA
Toluene	108-88-3	ug/l	1,000	1,000	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA	< 0.21	U	0.21	NA	NA	NA
trans-1,2-Dichloroethene	156-60-5	ug/l	100	100	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.097	U	0.097	NA	NA	NA
trans-1,3-Dichloropropene	10061-02-6	ug/l	N.S.	N.S.	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.16	U	0.16	NA	NA	NA
Trichloroethene	79-01-6	ug/l	5	5	NA	NA	NA	< 0.29	U	0.29	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA
Trichlorofluoromethane	75-69-4	ug/l	2,000	2,000	NA	NA	NA	< 0.080	U	0.08	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA
Vinyl Chloride	75-01-4	ug/l	2	2	NA	NA	NA	< 0.29	U	0.29	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA
Xylenes, Total	1330-20-7	ug/l	10,000	10,000	NA	NA	NA	< 0.62	U	0.62	NA	NA	NA	< 0.2	U	0.2	NA	NA	NA
1,2,4-Trimethylbenzene	95-63-6	ug/l	16	35	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	108-67-8	ug/l	16	35	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	104-51-8	ug/l	1,500	4,100	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	103-65-1	ug/l	1,500	4,100	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA
Semivolatile Organic Compounds																			
2,4,5-Trichlorophenol	95-95-4	ug/l	3,700	10,000	NA	NA	NA	< 0.061	U	0.061	NA	NA	NA	< 0.059	U	0.059	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	ug/l	11	31	NA	NA	NA	< 0.055	U	0.055	NA	NA	NA	< 0.053	U	0.053	NA	NA	NA
2,4-Dichlorophenol	120-83-2	ug/l	20	20	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA
2,4-Dimethylphenol	105-67-9	ug/l	730	2,000	NA	NA	NA	< 0.050	U	0.05	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA
2,4-Dinitrophenol	51-28-5	ug/l	19	41	NA	NA	NA	< 1.2	U	1.2	NA	NA	NA	< 1.2	U	1.2	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	ug/l	2.1	8.4	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	ug/l	37	100	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA
2-Chloronaphthalene	91-58-7	ug/l	2,900	8,200	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA
2-Chlorophenol	95-57-8	ug/l	40	40	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA
2-Methylnaphthalene	91-57-6	ug/l	730	2,000	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	0.067	J	0.044	NA	NA	NA
2-Methylphenol	95-48-7	ug/l	1,800	5,100	NA	NA	NA	< 0.050	U	0.05	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA
2-Nitroaniline	88-74-4	ug/l	2.1	5.8	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA
2-Nitrophenol	88-75-5	ug/l	290	820	NA	NA	NA	< 0.052	U	0.052	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	ug/l	1.5	5.8	NA	NA	NA	< 0.040	U	0.04	NA	NA	NA	0.15	J	0.039	NA	NA	NA
3-Nitroaniline	99-09-2	ug/l	2.1	5.8	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA	< 0.038	U	0.038	NA	NA	NA
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	N.S.	N.S.	NA	NA	NA	< 1.4	U	1.4	NA	NA	NA	< 1.3	U	1.3	NA	NA	NA

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs Used Aquifers		MW-N3			MW-N3			MW-N4			MW-N4			MW-N4		
		Sample Date:			09/10/2008			09/10/2008			07/08/2008			07/08/2008			09/10/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			D			T			D			T			D		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
4-Bromophenyl Phenyl Ether	101-55-3	ug/l	N.S.	N.S.	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA
4-Chloro-3-methylphenol	59-50-7	ug/l	180	510	NA	NA	NA	< 0.057	U	0.057	NA	NA	NA	< 0.055	U	0.055	NA	NA	NA
4-Chloroaniline	106-47-8	ug/l	150	410	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA
4-Chlorophenyl-phenylether	7005-72-3	ug/l	N.S.	N.S.	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.04	U	0.04	NA	NA	NA
4-Methylphenol	106-44-5	ug/l	180	510	NA	NA	NA	< 0.071	U	0.071	NA	NA	NA	< 0.069	U	0.069	NA	NA	NA
4-Nitroaniline	100-01-6	ug/l	2.1	5.8	NA	NA	NA	< 0.025	U	0.025	NA	NA	NA	< 0.024	U	0.024	NA	NA	NA
4-Nitrophenol	100-02-7	ug/l	60	60	NA	NA	NA	< 0.068	U	0.068	NA	NA	NA	< 0.066	U	0.066	NA	NA	NA
Acenaphthene	83-32-9	ug/l	2,200	3,800	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA
Acenaphthylene	208-96-8	ug/l	2,200	6,100	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	0.061	J	0.043	NA	NA	NA
Acetophenone	98-86-2	ug/l	3,700	10,000	NA	NA	NA	0.07	J	0.045	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA
Anthracene	120-12-7	ug/l	66	66	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	0.14	J	0.048	NA	NA	NA
Atrazine	1912-24-9	ug/l	3	3	NA	NA	NA	< 0.038	U	0.038	NA	NA	NA	< 0.037	U	0.037	NA	NA	NA
Benzaldehyde	100-52-7	ug/l	N.S.	N.S.	NA	NA	NA	< 0.052	U	0.052	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA
Benzo[a]anthracene	56-55-3	ug/l	0.9	3.6	NA	NA	NA	< 0.040	U	0.04	NA	NA	NA	0.25		0.039	NA	NA	NA
Benzo[a]pyrene	50-32-8	ug/l	0.2	0.2	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	***0.22***		0.041	NA	NA	NA
Benzo[b]fluoranthene	205-99-2	ug/l	0.9	1.2	NA	NA	NA	< 0.030	U	0.03	NA	NA	NA	0.25		0.029	NA	NA	NA
Benzo[g,h,i]perylene	191-24-2	ug/l	0.26	0.26	NA	NA	NA	< 0.027	U	0.027	NA	NA	NA	0.22		0.026	NA	NA	NA
Benzo[k]fluoranthene	207-08-9	ug/l	0.55	0.55	NA	NA	NA	< 0.038	U	0.038	NA	NA	NA	0.24		0.037	NA	NA	NA
Biphenyl	92-52-4	ug/l	1,800	5,100	NA	NA	NA	< 0.058	U	0.058	NA	NA	NA	< 0.057	U	0.057	NA	NA	NA
Bis(2-chloroethoxy)methane	111-91-1	ug/l	N.S.	N.S.	NA	NA	NA	< 0.12	U	0.12	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA
Bis(2-chloroethyl) Ether	111-44-4	ug/l	0.13	0.55	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA
Bis(2-chloroisopropyl) Ether	108-60-1	ug/l	300	300	NA	NA	NA	< 0.025	U	0.025	NA	NA	NA	< 0.024	U	0.024	NA	NA	NA
Bis(2-ethylhexyl) Phthalate	117-81-7	ug/l	6	6	NA	NA	NA	< 1.8	B	1.8	NA	NA	NA	< 36	B	36	NA	NA	NA
Butylbenzyl Phthalate	85-68-7	ug/l	2,700	2,700	NA	NA	NA	0.27	J	0.13	NA	NA	NA	< 1.3	B	1.3	NA	NA	NA
Caprolactum	105-60-2	ug/l	N.S.	N.S.	NA	NA	NA	< 2.8	B	2.8	NA	NA	NA	< 1.3	B	1.3	NA	NA	NA
Carbazole	86-74-8	ug/l	33	130	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	0.27		0.049	NA	NA	NA
Chrysene	218-01-9	ug/l	1.9	1.9	NA	NA	NA	< 0.034	U	0.034	NA	NA	NA	0.32		0.033	NA	NA	NA
Dibenzo[a,h]anthracene	53-70-3	ug/l	0.09	0.36	NA	NA	NA	< 0.034	U	0.034	NA	NA	NA	*0.28*		0.033	NA	NA	NA
Dibenzofuran	132-64-9	ug/l	N.S.	N.S.	NA	NA	NA	< 0.052	U	0.052	NA	NA	NA	0.09	J	0.05	NA	NA	NA
Diethyl Phthalate	84-66-2	ug/l	5,000	5,000	NA	NA	NA	0.26	J	0.24	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA
Dimethyl Phthalate	131-11-3	ug/l	N.S.	N.S.	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.04	U	0.04	NA	NA	NA
Di-n-Butyl Phthalate	84-74-2	ug/l	3,700	10,000	NA	NA	NA	0.14	J	0.045	NA	NA	NA	< 0.61	B	0.61	NA	NA	NA
Di-n-octyl Phthalate	117-84-0	ug/l	730	2,000	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	0.32	J	0.04	NA	NA	NA
Fluoranthene	206-44-0	ug/l	260	260	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA	0.27		0.047	NA	NA	NA
Fluorene	86-73-7	ug/l	1,500	1,900	NA	NA	NA	< 0.053	U	0.053	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA
Hexachlorobenzene	118-74-1	ug/l	1	1	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA
Hexachlorobutadiene	87-68-3	ug/l	1	1	NA	NA	NA	< 0.036	U	0.036	NA	NA	NA	< 0.035	U	0.035	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	ug/l	50	50	NA	NA	NA	< 0.078	U	0.078	NA	NA	NA	< 0.075	U	0.075	NA	NA	NA
Hexachloroethane	67-72-1	ug/l	1	1	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA
Indeno[1,2,3-cd]pyrene	193-39-5	ug/l	0.9	3.6	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	0.28		0.045	NA	NA	NA
Isophorone	78-59-1	ug/l	100	100	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA
Naphthalene	91-20-3	ug/l	100	100	NA	NA	NA	0.057	J	0.042	NA	NA	NA	< 0.04	U	0.04	NA	NA	NA

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs		MW-N3			MW-N3			MW-N4			MW-N4			MW-N4		
		Sample Date:	Used Aquifers		09/10/2008			09/10/2008			07/08/2008			07/08/2008			09/10/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			D			T			D			T			D		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Nitrobenzene	98-95-3	ug/l	18	51	NA	NA	NA	< 0.062	U	0.062	NA	NA	NA	< 0.06	U	0.06	NA	NA	NA
N-Nitroso-di-n-propylamine	621-64-7	ug/l	0.094	0.37	NA	NA	NA	< 0.058	U	0.058	NA	NA	NA	< 0.056	U	0.056	NA	NA	NA
N-Nitrosodiphenylamine	86-30-6	ug/l	130	530	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA	0.11	J	0.046	NA	NA	NA
Pentachlorophenol	87-86-5	ug/l	1	1	NA	NA	NA	< 0.081	U	0.081	NA	NA	NA	< 0.078	U	0.078	NA	NA	NA
Phenanthrene	85-01-8	ug/l	1,100	1,100	NA	NA	NA	0.14	J	0.053	NA	NA	NA	< 0.24	B	0.24	NA	NA	NA
Phenol	108-95-2	ug/l	4,000	4,000	NA	NA	NA	< 0.021	U	0.021	NA	NA	NA	< 0.021	U	0.021	NA	NA	NA
Pyrene	129-00-0	ug/l	130	130	NA	NA	NA	< 0.055	U	0.055	NA	NA	NA	0.2		0.053	NA	NA	NA

Notes:
1) N.S. = No Standard
2) N = Primary Sample
3) FD = Field Duplicate
4) NA = Results not available.
5) T = Total Results
6) D = Dissolved Results
7) RDL = Reporting Detection Limit
8) WG = Groundwater
9) Results above the Residential PADEP MSCs (Used Aquifers, 2500 ug/L) are shown in *italics*.
10) Results above the Non-Residential PADEP MSCs (Used Aquifers, 2500 ug/L) are shown in **bold.**
11) Alpha and beta-chlordane concentrations screened against the Non-Residential Direct
Contact and Soil-to-Groundwater concentrations for chlordane (CASRN #57-74-9).

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs		MW-N4			MW-N5			MW-N5			MW-N5			MW-N5		
		Sample Date:	Used Aquifers		09/10/2008			07/07/2008			07/07/2008			09/09/2008			09/09/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			T			D			T			D			T		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Inorganics																			
Aluminum	7429-90-5	ug/l	N.S.	N.S.	135		1.2	< 4.4	B	4.4	682		1.2	13.9	J	1.2	7,430		1.2
Antimony	7440-36-0	ug/l	6	6	0.11	J	0.047	0.27	J	0.047	0.13	J	0.047	0.16	J	0.047	0.39	J	0.047
Arsenic	7440-38-2	ug/l	10	10	< 1.9	B	1.9	0.84	J	0.14	< 0.98	B	0.98	< 1.2	B	1.2	9.5		0.14
Barium	7440-39-3	ug/l	2,000	2,000	46.9		0.076	43.9		0.076	30.1		0.076	24.6		0.076	57.8		0.076
Beryllium	7440-41-7	ug/l	4	4	< 0.068	U	0.068	< 0.068	U	0.068	0.098	J	0.068	< 0.068	U	0.068	0.34	J	0.068
Cadmium	7440-43-9	ug/l	5	5	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11
Calcium	7440-70-2	ug/l	N.S.	N.S.	84,200		6.3	64,300		6.3	41,400		6.3	56,400		6.3	58,600		6.3
Chromium	7440-47-3	ug/l	100	100	< 4.2	B	4.2	< 4	B	4	< 4	B	4	< 4.9	B	4.9	< 16.4	B	16.4
Cobalt	7440-48-4	ug/l	730	2,000	0.44	J	0.017	0.35	J	0.017	2.5		0.017	< 0.24	B	0.24	6.8		0.017
Copper	7440-50-8	ug/l	1,000	1,000	< 0.54	B	0.54	< 1.7	B	1.7	< 2.6	B	2.6	< 1.3	B	1.3	10.7		0.14
Iron	7439-89-6	ug/l	N.S.	N.S.	729		7.4	< 7.7	B	7.7	1,410		7.4	< 7.4	U	7.4	12,200		7.4
Lead	7439-92-1	ug/l	5	5	< 0.17	B	0.17	< 0.21	B	0.21	3.4		0.02	< 0.059	B	0.059	***10.4***		0.02
Magnesium	7439-95-4	ug/l	N.S.	N.S.	12,800		3.4	14,200		3.4	4,860		3.4	5,080		3.4	6,490		3.4
Manganese	7439-96-5	ug/l	300	300	169		0.047	158		0.047	242		0.047	21.9		0.047	***331***		0.047
Nickel	7440-02-0	ug/l	100	100	1.2		0.073	< 1.4	B	1.4	4.3		0.073	< 3.7	B	3.7	15.7		0.073
Potassium	7440-09-7	ug/l	N.S.	N.S.	3,420	J	5.6	11,600		5.6	3,010		5.6	3,900	J	5.6	5,860	J	5.6
Selenium	7782-49-2	ug/l	50	50	< 0.21	U	0.21	2.1	J	0.21	1.5	J	0.21	1.8	J	0.21	< 2.2	B	2.2
Silver	7440-22-4	ug/l	100	100	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077
Sodium	7440-23-5	ug/l	N.S.	N.S.	44,200		7	31,600		7	42,000		7	35,600		7	35,600		7
Thallium	7440-28-0	ug/l	2	2	0.041	J	0.018	< 0.018	U	0.018	< 0.14	B	0.14	0.17	J	0.018	0.33	J	0.018
Vanadium	7440-62-2	ug/l	260	720	< 0.46	B	0.46	< 0.51	B	0.51	< 1.1	B	1.1	< 0.097	U	0.097	12.6		0.097
Zinc	7440-66-6	ug/l	2,000	2,000	< 8.1	B	8.1	< 8.6	B	8.6	< 26.9	B	26.9	55.3		0.6	79.8		0.6
Mercury	7439-97-6	ug/l	2	2	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055
Cyanide	57-12-5	ug/l	200	200	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7
Total Dissolved Solids	TDS	mg/l	N.S.	N.S.	466		10	NA	NA	NA	355		10	NA	NA	NA	396		10
Pesticides																			
4,4-DDD	72-54-8	ug/l	0.62	2.7	< 0.0076	U	0.0076	NA	NA	NA	< 0.0073	U	0.0073	NA	NA	NA	< 0.0073	U	0.0073
4,4-DDE	72-55-9	ug/l	1.9	7.6	< 0.0066	U	0.0066	NA	NA	NA	< 0.0064	U	0.0064	NA	NA	NA	< 0.0064	U	0.0064
4,4-DDT	50-29-3	ug/l	1.9	5.5	< 0.014	U	0.014	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA	< 0.013	U	0.013
Aldrin	309-00-2	ug/l	0.0087	0.037	< 0.011	U	0.011	NA	NA	NA	< 0.010	U	0.01	NA	NA	NA	< 0.010	U	0.01
alpha-BHC	319-84-6	ug/l	0.1	0.41	< 0.015	U	0.015	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014
alpha-Chlordane	5103-71-9	ug/l	2	2	< 0.011	U	0.011	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA	< 0.011	U	0.011
alpha-Endosulfan	959-98-8	ug/l	220	500	< 0.0073	U	0.0073	NA	NA	NA	< 0.007	U	0.007	NA	NA	NA	< 0.0070	U	0.007
beta-BHC	319-85-7	ug/l	0.37	1.4	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014
beta-Endosulfan	33213-65-9	ug/l	220	450	< 0.015	U	0.015	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014
delta-BHC	319-86-8	ug/l	22	61	< 0.0093	U	0.0093	NA	NA	NA	< 0.0089	U	0.0089	NA	NA	NA	< 0.0089	U	0.0089
Dieldrin	60-57-1	ug/l	0.041	0.16	< 0.0078	U	0.0078	NA	NA	NA	< 0.0075	U	0.0075	NA	NA	NA	< 0.0075	U	0.0075
Endosulfan Sulfate	1031-07-8	ug/l	120	120	< 0.016	U	0.016	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA	< 0.015	U	0.015
Endrin	72-20-8	ug/l	2	2	< 0.0075	U	0.0075	NA	NA	NA	< 0.0072	U	0.0072	NA	NA	NA	< 0.0072	U	0.0072
Endrin Aldehyde	7421-93-4	ug/l	N.S.	N.S.	< 0.012	U	0.012	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA	< 0.011	U	0.011
Endrin Ketone	53494-70-5	ug/l	N.S.	N.S.	< 0.0098	U	0.0098	NA	NA	NA	< 0.0094	U	0.0094	NA	NA	NA	< 0.0094	U	0.0094

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

			Sample Location:		MW-N4			MW-N5			MW-N5			MW-N5			MW-N5		
			Sample Date:	PADEP MSCs Used Aquifers	09/10/2008			07/07/2008			07/07/2008			09/09/2008			09/09/2008		
			Matrix Code:		WG			WG			WG			WG			WG		
			Sample Typ Code:	TDS<=2500	N			N			N			N			N		
			Fraction:		T			D			T			D			T		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
gamma-BHC	58-89-9	ug/l	0.2	0.2	< 0.015	U	0.015	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014
gamma-Chlordane	5566-34-7	ug/l	2	2	< 0.0074	U	0.0074	NA	NA	NA	< 0.0071	U	0.0071	NA	NA	NA	< 0.0071	U	0.0071
Heptachlor	76-44-8	ug/l	0.4	0.4	< 0.014	U	0.014	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA	< 0.013	U	0.013
Heptachlor Epoxide	1024-57-3	ug/l	0.2	0.2	< 0.0097	U	0.0097	NA	NA	NA	< 0.0093	U	0.0093	NA	NA	NA	< 0.0093	U	0.0093
Methoxychlor	72-43-5	ug/l	40	40	< 0.018	U	0.018	NA	NA	NA	< 0.017	U	0.017	NA	NA	NA	< 0.017	U	0.017
Toxaphene	8001-35-2	ug/l	3	3	< 0.40	U	0.4	NA	NA	NA	< 0.39	U	0.39	NA	NA	NA	< 0.39	U	0.39
PCBs																			
Aroclor 1016	12674-11-2	ug/l	2.6	7.2	< 0.10	U	0.1	NA	NA	NA	< 0.095	U	0.095	NA	NA	NA	< 0.10	U	0.1
Aroclor 1221	11104-28-2	ug/l	1.3	5.2	< 0.10	U	0.1	NA	NA	NA	< 0.094	U	0.094	NA	NA	NA	< 0.10	U	0.1
Aroclor 1232	11141-16-5	ug/l	1.3	5.2	< 0.12	U	0.12	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.12	U	0.12
Aroclor 1242	53469-21-9	ug/l	1.3	5.2	< 0.074	U	0.074	NA	NA	NA	< 0.07	U	0.07	NA	NA	NA	< 0.074	U	0.074
Aroclor 1248	12672-29-6	ug/l	0.37	1.4	< 0.091	U	0.091	NA	NA	NA	< 0.085	U	0.085	NA	NA	NA	< 0.091	U	0.091
Aroclor 1254	11097-69-1	ug/l	0.37	1.4	< 0.092	U	0.092	NA	NA	NA	< 0.086	U	0.086	NA	NA	NA	< 0.092	U	0.092
Aroclor 1260	11096-82-5	ug/l	1.1	4.3	< 0.054	U	0.054	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	< 0.054	U	0.054
Volatile Organic Compounds																			
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.2	0.2	< 0.0029	U	0.0029	NA	NA	NA	< 0.0029	U	0.0029	NA	NA	NA	< 0.0029	U	0.0029
1,2-Dibromoethane	106-93-4	ug/l	0.05	0.05	< 0.0021	U	0.0021	NA	NA	NA	< 0.0021	U	0.0021	NA	NA	NA	< 0.0021	U	0.0021
1,1,1-Trichloroethane	71-55-6	ug/l	200	200	< 0.25	U	0.25	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.25	U	0.25
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.3	0.3	< 0.15	U	0.15	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.15	U	0.15
1,1,2-Trichloroethane	79-00-5	ug/l	5	5	< 0.20	U	0.2	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.20	U	0.2
1,1-Dichloroethane	75-34-3	ug/l	27	110	< 0.24	U	0.24	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.24	U	0.24
1,1-Dichloroethene	75-35-4	ug/l	7	7	< 0.28	U	0.28	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA	< 0.28	U	0.28
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	70	< 0.15	U	0.15	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.15	U	0.15
1,2-Dichlorobenzene	95-50-1	ug/l	600	600	< 0.22	U	0.22	NA	NA	NA	< 0.086	U	0.086	NA	NA	NA	< 0.22	U	0.22
1,2-Dichloroethane	107-06-2	ug/l	5	5	< 0.21	U	0.21	NA	NA	NA	< 0.076	U	0.076	NA	NA	NA	< 0.21	U	0.21
1,2-Dichloropropane	78-87-5	ug/l	5	5	< 0.18	U	0.18	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA	< 0.18	U	0.18
1,3-Dichlorobenzene	541-73-1	ug/l	600	600	< 0.16	U	0.16	NA	NA	NA	< 0.1	U	0.1	NA	NA	NA	< 0.16	U	0.16
1,4-Dichlorobenzene	106-46-7	ug/l	75	75	< 0.18	U	0.18	NA	NA	NA	< 0.1	U	0.1	NA	NA	NA	< 0.18	U	0.18
2-Butanone	78-93-3	ug/l	4,000	4,000	< 0.50	U	0.5	NA	NA	NA	< 0.65	U	0.65	NA	NA	NA	< 0.50	U	0.5
2-Hexanone	591-78-6	ug/l	N.S.	N.S.	< 0.53	U	0.53	NA	NA	NA	< 0.55	U	0.55	NA	NA	NA	< 0.53	U	0.53
4-Methyl-2-pentanone	108-10-1	ug/l	190	410	< 0.23	U	0.23	NA	NA	NA	< 0.61	U	0.61	NA	NA	NA	< 0.23	U	0.23
Acetone	67-64-1	ug/l	3,700	10,000	< 2.8	B	2.8	NA	NA	NA	< 2.5	U	2.5	NA	NA	NA	< 2.5	U	2.5
Benzene	71-43-2	ug/l	5	5	< 0.27	U	0.27	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.27	U	0.27
Bromodichloromethane	75-27-4	ug/l	100	100	< 0.20	U	0.2	NA	NA	NA	< 0.099	U	0.099	NA	NA	NA	< 0.20	U	0.2
Bromoform	75-25-2	ug/l	80	80	< 0.25	U	0.25	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.25	U	0.25
Bromomethane	74-83-9	ug/l	10	10	< 0.30	U	0.3	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.30	U	0.3
Carbon Disulfide	75-15-0	ug/l	1,900	4,100	< 0.20	U	0.2	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.20	U	0.2
Carbon Tetrachloride	56-23-5	ug/l	5	5	< 0.30	U	0.3	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.30	U	0.3
Chlorobenzene	108-90-7	ug/l	100	100	< 0.23	U	0.23	NA	NA	NA	< 0.33	U	0.33	NA	NA	NA	< 0.23	U	0.23
Chloroethane	75-00-3	ug/l	230	900	< 0.25	U	0.25	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.25	U	0.25
Chloroform	67-66-3	ug/l	80	80	< 0.24	U	0.24	NA	NA	NA	< 0.068	U	0.068	NA	NA	NA	< 0.24	U	0.24
Chloromethane	74-87-3	ug/l	30	30	< 0.27	U	0.27	NA	NA	NA	< 0.14	U	0.14	NA	NA	NA	< 0.27	U	0.27

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs Used Aquifers		MW-N4			MW-N5			MW-N5			MW-N5			MW-N5		
		Sample Date:			09/10/2008			07/07/2008			07/07/2008			09/09/2008			09/09/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			T			D			T			D			T		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
cis-1,2-Dichloroethene	156-59-2	ug/l	70	70	< 0.27	U	0.27	NA	NA	NA	< 0.09	U	0.09	NA	NA	NA	< 0.27	U	0.27
cis-1,3-Dichloropropene	10061-01-5	ug/l	N.S.	N.S.	< 0.19	U	0.19	NA	NA	NA	< 0.13	U	0.13	NA	NA	NA	< 0.19	U	0.19
Cyclohexane	110-82-7	ug/l	N.S.	N.S.	< 0.30	U	0.3	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.30	U	0.3
Dibromochloromethane	124-48-1	ug/l	80	80	< 0.16	U	0.16	NA	NA	NA	< 0.2	U	0.2	NA	NA	NA	< 0.16	U	0.16
Dichlorodifluoromethane	75-71-8	ug/l	1,000	1,000	< 0.26	U	0.26	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA	< 0.26	U	0.26
Ethylbenzene	100-41-4	ug/l	700	700	< 0.18	U	0.18	NA	NA	NA	< 0.066	U	0.066	NA	NA	NA	< 0.18	U	0.18
Freon 113	76-13-1	ug/l	83,000	170,000	< 0.30	U	0.3	NA	NA	NA	< 0.14	U	0.14	NA	NA	NA	< 0.30	U	0.3
Isopropylbenzene	98-82-8	ug/l	1,100	2,300	< 0.22	U	0.22	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.22	U	0.22
Methyl Acetate	79-20-9	ug/l	37,000	100,000	< 0.10	U	0.1	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA	< 0.10	U	0.1
Methyl Cyclohexane	108-87-2	ug/l	N.S.	N.S.	< 0.32	U	0.32	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.32	U	0.32
Methyl tert-Butyl Ether	1634-04-4	ug/l	20	20	< 0.20	U	0.2	NA	NA	NA	< 0.13	U	0.13	NA	NA	NA	< 0.20	U	0.2
Methylene Chloride	75-09-2	ug/l	5	5	< 0.32	U	0.32	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.32	U	0.32
Styrene	100-42-5	ug/l	100	100	< 0.22	U	0.22	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA	< 0.22	U	0.22
Tetrachloroethene	127-18-4	ug/l	5	5	< 0.24	U	0.24	NA	NA	NA	< 0.088	U	0.088	NA	NA	NA	< 0.24	U	0.24
Toluene	108-88-3	ug/l	1,000	1,000	< 0.23	U	0.23	NA	NA	NA	< 0.21	U	0.21	NA	NA	NA	< 0.23	U	0.23
trans-1,2-Dichloroethene	156-60-5	ug/l	100	100	< 0.27	U	0.27	NA	NA	NA	< 0.097	U	0.097	NA	NA	NA	< 0.27	U	0.27
trans-1,3-Dichloropropene	10061-02-6	ug/l	N.S.	N.S.	< 0.18	U	0.18	NA	NA	NA	< 0.16	U	0.16	NA	NA	NA	< 0.18	U	0.18
Trichloroethene	79-01-6	ug/l	5	5	< 0.29	U	0.29	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.29	U	0.29
Trichlorofluoromethane	75-69-4	ug/l	2,000	2,000	< 0.080	U	0.08	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA	< 0.080	U	0.08
Vinyl Chloride	75-01-4	ug/l	2	2	< 0.29	U	0.29	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.29	U	0.29
Xylenes, Total	1330-20-7	ug/l	10,000	10,000	< 0.62	U	0.62	NA	NA	NA	< 0.2	U	0.2	NA	NA	NA	< 0.62	U	0.62
1,2,4-Trimethylbenzene	95-63-6	ug/l	16	35	< 0.19	U	0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.22	U	0.22
1,3,5-Trimethylbenzene	108-67-8	ug/l	16	35	< 0.20	U	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.22	U	0.22
n-Butylbenzene	104-51-8	ug/l	1,500	4,100	< 0.21	U	0.21	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.22	U	0.22
n-Propylbenzene	103-65-1	ug/l	1,500	4,100	< 0.20	U	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.22	U	0.22
Semivolatile Organic Compounds																			
2,4,5-Trichlorophenol	95-95-4	ug/l	3,700	10,000	< 0.061	U	0.061	NA	NA	NA	< 0.059	U	0.059	NA	NA	NA	< 0.059	U	0.059
2,4,6-Trichlorophenol	88-06-2	ug/l	11	31	< 0.055	U	0.055	NA	NA	NA	< 0.053	U	0.053	NA	NA	NA	< 0.054	U	0.054
2,4-Dichlorophenol	120-83-2	ug/l	20	20	< 0.047	U	0.047	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.046	U	0.046
2,4-Dimethylphenol	105-67-9	ug/l	730	2,000	< 0.050	U	0.05	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	< 0.049	U	0.049
2,4-Dinitrophenol	51-28-5	ug/l	19	41	< 1.2	U	1.2	NA	NA	NA	< 1.2	U	1.2	NA	NA	NA	< 1.2	U	1.2
2,4-Dinitrotoluene	121-14-2	ug/l	2.1	8.4	< 0.044	U	0.044	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.043	U	0.043
2,6-Dinitrotoluene	606-20-2	ug/l	37	100	< 0.049	U	0.049	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA	< 0.048	U	0.048
2-Chloronaphthalene	91-58-7	ug/l	2,900	8,200	< 0.043	U	0.043	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.042	U	0.042
2-Chlorophenol	95-57-8	ug/l	40	40	< 0.044	U	0.044	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.043	U	0.043
2-Methylnaphthalene	91-57-6	ug/l	730	2,000	< 0.045	U	0.045	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	0.052	J	0.044
2-Methylphenol	95-48-7	ug/l	1,800	5,100	< 0.050	U	0.05	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA	< 0.049	U	0.049
2-Nitroaniline	88-74-4	ug/l	2.1	5.8	< 0.046	U	0.046	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.045	U	0.045
2-Nitrophenol	88-75-5	ug/l	290	820	< 0.052	U	0.052	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	< 0.051	U	0.051
3,3'-Dichlorobenzidine	91-94-1	ug/l	1.5	5.8	< 0.040	U	0.04	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA	< 0.039	U	0.039
3-Nitroaniline	99-09-2	ug/l	2.1	5.8	< 0.039	U	0.039	NA	NA	NA	< 0.038	U	0.038	NA	NA	NA	< 0.038	U	0.038
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	N.S.	N.S.	< 1.4	U	1.4	NA	NA	NA	< 1.3	U	1.3	NA	NA	NA	< 1.3	U	1.3

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs		MW-N4			MW-N5			MW-N5			MW-N5			MW-N5		
		Sample Date:	Used Aquifers		09/10/2008			07/07/2008			07/07/2008			09/09/2008			09/09/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			T			D			T			D			T		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
4-Bromophenyl Phenyl Ether	101-55-3	ug/l	N.S.	N.S.	< 0.048	U	0.048	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA	< 0.047	U	0.047
4-Chloro-3-methylphenol	59-50-7	ug/l	180	510	< 0.057	U	0.057	NA	NA	NA	< 0.055	U	0.055	NA	NA	NA	< 0.056	U	0.056
4-Chloroaniline	106-47-8	ug/l	150	410	< 0.045	U	0.045	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.044	U	0.044
4-Chlorophenyl-phenylether	7005-72-3	ug/l	N.S.	N.S.	< 0.041	U	0.041	NA	NA	NA	< 0.04	U	0.04	NA	NA	NA	< 0.040	U	0.04
4-Methylphenol	106-44-5	ug/l	180	510	< 0.071	U	0.071	NA	NA	NA	< 0.069	U	0.069	NA	NA	NA	< 0.070	U	0.07
4-Nitroaniline	100-01-6	ug/l	2.1	5.8	< 0.025	U	0.025	NA	NA	NA	< 0.024	U	0.024	NA	NA	NA	< 0.024	U	0.024
4-Nitrophenol	100-02-7	ug/l	60	60	< 0.068	U	0.068	NA	NA	NA	< 0.066	U	0.066	NA	NA	NA	< 0.067	U	0.067
Acenaphthene	83-32-9	ug/l	2,200	3,800	< 0.051	U	0.051	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	0.074	J	0.05
Acenaphthylene	208-96-8	ug/l	2,200	6,100	< 0.045	U	0.045	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.044	U	0.044
Acetophenone	98-86-2	ug/l	3,700	10,000	< 0.045	U	0.045	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.044	U	0.044
Anthracene	120-12-7	ug/l	66	66	< 0.049	U	0.049	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA	0.064	J	0.048
Atrazine	1912-24-9	ug/l	3	3	< 0.038	U	0.038	NA	NA	NA	< 0.037	U	0.037	NA	NA	NA	< 0.037	U	0.037
Benzaldehyde	100-52-7	ug/l	N.S.	N.S.	< 0.052	U	0.052	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	< 0.051	U	0.051
Benzo[a]anthracene	56-55-3	ug/l	0.9	3.6	0.041	J	0.04	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA	0.045	J	0.039
Benzo[a]pyrene	50-32-8	ug/l	0.2	0.2	< 0.042	U	0.042	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.042	U	0.042
Benzo[b]fluoranthene	205-99-2	ug/l	0.9	1.2	< 0.030	U	0.03	NA	NA	NA	< 0.029	U	0.029	NA	NA	NA	< 0.030	U	0.03
Benzo[g,h,i]perylene	191-24-2	ug/l	0.26	0.26	< 0.027	U	0.027	NA	NA	NA	< 0.026	U	0.026	NA	NA	NA	< 0.026	U	0.026
Benzo[k]fluoranthene	207-08-9	ug/l	0.55	0.55	< 0.038	U	0.038	NA	NA	NA	< 0.037	U	0.037	NA	NA	NA	< 0.037	U	0.037
Biphenyl	92-52-4	ug/l	1,800	5,100	< 0.058	U	0.058	NA	NA	NA	< 0.057	U	0.057	NA	NA	NA	< 0.057	U	0.057
Bis(2-chloroethoxy)methane	111-91-1	ug/l	N.S.	N.S.	< 0.12	U	0.12	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.12	U	0.12
Bis(2-chloroethyl) Ether	111-44-4	ug/l	0.13	0.55	< 0.045	U	0.045	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.044	U	0.044
Bis(2-chloroisopropyl) Ether	108-60-1	ug/l	300	300	< 0.025	U	0.025	NA	NA	NA	< 0.024	U	0.024	NA	NA	NA	< 0.025	U	0.025
Bis(2-ethylhexyl) Phthalate	117-81-7	ug/l	6	6	< 0.3	B	0.3	NA	NA	NA	< 2.9	B	2.9	NA	NA	NA	< 1.5	B	1.5
Butylbenzyl Phthalate	85-68-7	ug/l	2,700	2,700	0.16	J	0.13	NA	NA	NA	< 0.38	B	0.38	NA	NA	NA	< 0.13	U	0.13
Caprolactum	105-60-2	ug/l	N.S.	N.S.	< 1.2	B	1.2	NA	NA	NA	< 1.3	B	1.3	NA	NA	NA	< 2.1	B	2.1
Carbazole	86-74-8	ug/l	33	130	< 0.051	U	0.051	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	0.069	J	0.05
Chrysene	218-01-9	ug/l	1.9	1.9	0.038	J	0.034	NA	NA	NA	< 0.033	U	0.033	NA	NA	NA	0.041	J	0.034
Dibenzo[a,h]anthracene	53-70-3	ug/l	0.09	0.36	< 0.034	U	0.034	NA	NA	NA	< 0.033	U	0.033	NA	NA	NA	< 0.033	U	0.033
Dibenzofuran	132-64-9	ug/l	N.S.	N.S.	< 0.052	U	0.052	NA	NA	NA	< 0.05	U	0.05	NA	NA	NA	0.094	J	0.051
Diethyl Phthalate	84-66-2	ug/l	5,000	5,000	< 0.24	U	0.24	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA	0.23	J	0.23
Dimethyl Phthalate	131-11-3	ug/l	N.S.	N.S.	< 0.041	U	0.041	NA	NA	NA	< 0.04	U	0.04	NA	NA	NA	< 0.040	U	0.04
Di-n-Butyl Phthalate	84-74-2	ug/l	3,700	10,000	0.095	J	0.045	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.16	B	0.16
Di-n-octyl Phthalate	117-84-0	ug/l	730	2,000	< 0.041	U	0.041	NA	NA	NA	< 0.04	U	0.04	NA	NA	NA	< 0.041	U	0.041
Fluoranthene	206-44-0	ug/l	260	260	0.091	J	0.048	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA	0.068	J	0.047
Fluorene	86-73-7	ug/l	1,500	1,900	< 0.053	U	0.053	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	< 0.051	U	0.051
Hexachlorobenzene	118-74-1	ug/l	1	1	< 0.042	U	0.042	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.041	U	0.041
Hexachlorobutadiene	87-68-3	ug/l	1	1	< 0.036	U	0.036	NA	NA	NA	< 0.035	U	0.035	NA	NA	NA	< 0.036	U	0.036
Hexachlorocyclopentadiene	77-47-4	ug/l	50	50	< 0.078	U	0.078	NA	NA	NA	< 0.075	U	0.075	NA	NA	NA	< 0.076	U	0.076
Hexachloroethane	67-72-1	ug/l	1	1	< 0.042	U	0.042	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.041	U	0.041
Indeno[1,2,3-cd]pyrene	193-39-5	ug/l	0.9	3.6	< 0.046	U	0.046	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.045	U	0.045
Isophorone	78-59-1	ug/l	100	100	< 0.046	U	0.046	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.045	U	0.045
Naphthalene	91-20-3	ug/l	100	100	< 0.042	U	0.042	NA	NA	NA	< 0.04	U	0.04	NA	NA	NA	< 0.041	U	0.041

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

			Sample Location:		MW-N4			MW-N5			MW-N5			MW-N5			MW-N5		
			Sample Date:	PADEP MSCs Used Aquifers	09/10/2008			07/07/2008			07/07/2008			09/09/2008			09/09/2008		
			Matrix Code:		WG			WG			WG			WG			WG		
			Sample Typ Code:	TDS<=2500	N			N			N			N			N		
			Fraction:		T			D			T			D			T		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Nitrobenzene	98-95-3	ug/l	18	51	< 0.062	U	0.062	NA	NA	NA	< 0.06	U	0.06	NA	NA	NA	< 0.061	U	0.061
N-Nitroso-di-n-propylamine	621-64-7	ug/l	0.094	0.37	< 0.058	U	0.058	NA	NA	NA	< 0.056	U	0.056	NA	NA	NA	< 0.056	U	0.056
N-Nitrosodiphenylamine	86-30-6	ug/l	130	530	< 0.047	U	0.047	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.046	U	0.046
Pentachlorophenol	87-86-5	ug/l	1	1	< 0.081	U	0.081	NA	NA	NA	< 0.078	U	0.078	NA	NA	NA	< 0.079	U	0.079
Phenanthrene	85-01-8	ug/l	1,100	1,100	0.32		0.053	NA	NA	NA	< 0.14	B	0.14	NA	NA	NA	< 0.2	B	0.2
Phenol	108-95-2	ug/l	4,000	4,000	< 0.021	U	0.021	NA	NA	NA	< 0.021	U	0.021	NA	NA	NA	< 0.021	U	0.021
Pyrene	129-00-0	ug/l	130	130	< 0.055	U	0.055	NA	NA	NA	< 0.053	U	0.053	NA	NA	NA	< 0.054	U	0.054

Notes:
1) N.S. = No Standard
2) N = Primary Sample
3) FD = Field Duplicate
4) NA = Results not available.
5) T = Total Results
6) D = Dissolved Results
7) RDL = Reporting Detection Limit
8) WG = Groundwater
9) Results above the Residential PADEP MSCs (Used Aquifers, 2500 ug/L) are shown in *italics.*
10) Results above the Non-Residential PADEP MSCs (Used Aquifers, 2500 ug/L) are shown in **bold.**
11) Alpha and beta-chlordane concentrations screened against the Non-Residential Direct Contact and Soil-to-Groundwater concentrations for chlordane (CASRN #57-74-9).

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs		MW-N6			MW-N6			MW-N6			MW-N6			MW-N6		
		Sample Date:	Used Aquifers		07/08/2008			07/08/2008			09/09/2008			09/09/2008			09/09/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			FD			FD			N		
		Fraction:			D			T			D			T			D		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Inorganics																			
Aluminum	7429-90-5	ug/l	N.S.	N.S.	< 10.7	B	10.7	< 38.6	B	38.6	< 4.1	B	4.1	< 11	B	11	< 3.6	B	3.6
Antimony	7440-36-0	ug/l	6	6	< 0.077	B	0.077	< 0.58	B	0.58	0.33	J	0.047	0.26	J	0.047	0.3	J	0.047
Arsenic	7440-38-2	ug/l	10	10	0.32	J	0.14	0.83	J	0.14	< 1.4	B	1.4	< 1.9	B	1.9	< 1.9	B	1.9
Barium	7440-39-3	ug/l	2,000	2,000	21.7		0.076	40.7		0.076	41.6		0.076	42.6		0.076	40.9		0.076
Beryllium	7440-41-7	ug/l	4	4	< 0.068	U	0.068	< 0.068	U	0.068	< 0.068	U	0.068	< 0.068	U	0.068	< 0.068	U	0.068
Cadmium	7440-43-9	ug/l	5	5	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11
Calcium	7440-70-2	ug/l	N.S.	N.S.	40,500		6.3	59,500		6.3	74,200		6.3	75,400		6.3	74,000		6.3
Chromium	7440-47-3	ug/l	100	100	< 3.2	B	3.2	< 3.8	B	3.8	< 5.5	B	5.5	< 4.2	B	4.2	< 4.8	B	4.8
Cobalt	7440-48-4	ug/l	730	2,000	0.6		0.017	< 0.28	B	0.28	0.38	J	0.017	0.35	J	0.017	0.34	J	0.017
Copper	7440-50-8	ug/l	1,000	1,000	< 0.96	B	0.96	< 1.5	B	1.5	< 1.3	B	1.3	< 1.6	B	1.6	< 1.2	B	1.2
Iron	7439-89-6	ug/l	N.S.	N.S.	< 7.4	U	7.4	< 66.6	B	66.6	< 7.4	U	7.4	< 7.4	U	7.4	< 7.4	U	7.4
Lead	7439-92-1	ug/l	5	5	< 0.086	B	0.086	< 0.29	B	0.29	< 0.11	B	0.11	< 0.14	B	0.14	< 0.13	B	0.13
Magnesium	7439-95-4	ug/l	N.S.	N.S.	4,600		3.4	13,300		3.4	14,300		3.4	14,600		3.4	13,800		3.4
Manganese	7439-96-5	ug/l	300	300	146		0.047	137		0.047	***309***		0.047	***311***		0.047	***307***		0.047
Nickel	7440-02-0	ug/l	100	100	< 3.2	B	3.2	< 0.91	B	0.91	< 1	B	1	< 0.85	B	0.85	< 0.87	B	0.87
Potassium	7440-09-7	ug/l	N.S.	N.S.	2,820		5.6	10,800		5.6	13,900	J	5.6	14,000	J	5.6	14,200	J	5.6
Selenium	7782-49-2	ug/l	50	50	1.5	J	0.21	2.2	J	0.21	1.8	J	0.21	< 1.9	B	1.9	1.9	J	0.21
Silver	7440-22-4	ug/l	100	100	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077
Sodium	7440-23-5	ug/l	N.S.	N.S.	41,000		7	28,200		7	26,000		7	26,300		7	25,400		7
Thallium	7440-28-0	ug/l	2	2	< 0.018	U	0.018	< 0.035	B	0.035	< 0.043	B	0.043	< 0.028	B	0.028	< 0.1	B	0.1
Vanadium	7440-62-2	ug/l	260	720	< 0.097	U	0.097	< 0.82	B	0.82	< 0.26	B	0.26	0.71	J	0.097	< 0.097	U	0.097
Zinc	7440-66-6	ug/l	2,000	2,000	< 20.7	B	20.7	< 4.4	B	4.4	< 4.1	B	4.1	< 5.1	B	5.1	< 3.3	B	3.3
Mercury	7439-97-6	ug/l	2	2	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055
Cyanide	57-12-5	ug/l	200	200	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7
Total Dissolved Solids	TDS	mg/l	N.S.	N.S.	NA	NA	NA	410		10	NA	NA	NA	409		10	NA	NA	NA
Pesticides																			
4,4-DDD	72-54-8	ug/l	0.62	2.7	NA	NA	NA	< 0.0073	U	0.0073	NA	NA	NA	< 0.0076	U	0.0076	NA	NA	NA
4,4-DDE	72-55-9	ug/l	1.9	7.6	NA	NA	NA	< 0.0064	U	0.0064	NA	NA	NA	< 0.0066	U	0.0066	NA	NA	NA
4,4-DDT	50-29-3	ug/l	1.9	5.5	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA
Aldrin	309-00-2	ug/l	0.0087	0.037	NA	NA	NA	< 0.010	U	0.01	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA
alpha-BHC	319-84-6	ug/l	0.1	0.41	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA
alpha-Chlordane	5103-71-9	ug/l	2	2	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA
alpha-Endosulfan	959-98-8	ug/l	220	500	NA	NA	NA	< 0.007	U	0.007	NA	NA	NA	< 0.0073	U	0.0073	NA	NA	NA
beta-BHC	319-85-7	ug/l	0.37	1.4	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA
beta-Endosulfan	33213-65-9	ug/l	220	450	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA
delta-BHC	319-86-8	ug/l	22	61	NA	NA	NA	< 0.0089	U	0.0089	NA	NA	NA	< 0.0093	U	0.0093	NA	NA	NA
Dieldrin	60-57-1	ug/l	0.041	0.16	NA	NA	NA	< 0.0075	U	0.0075	NA	NA	NA	< 0.0078	U	0.0078	NA	NA	NA
Endosulfan Sulfate	1031-07-8	ug/l	120	120	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA	< 0.016	U	0.016	NA	NA	NA
Endrin	72-20-8	ug/l	2	2	NA	NA	NA	< 0.0072	U	0.0072	NA	NA	NA	< 0.0075	U	0.0075	NA	NA	NA
Endrin Aldehyde	7421-93-4	ug/l	N.S.	N.S.	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA	< 0.012	U	0.012	NA	NA	NA
Endrin Ketone	53494-70-5	ug/l	N.S.	N.S.	NA	NA	NA	< 0.0094	U	0.0094	NA	NA	NA	< 0.0098	U	0.0098	NA	NA	NA

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

	Sample Location:		PADEP MSCs		MW-N6			MW-N6			MW-N6			MW-N6			MW-N6		
	Sample Date:		Used Aquifers		07/08/2008			07/08/2008			09/09/2008			09/09/2008			09/09/2008		
	Matrix Code:				WG			WG			WG			WG			WG		
	Sample Typ Code:		TDS<=2500		N			N			FD			FD			N		
	Fraction:				D			T			D			T			D		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
gamma-BHC	58-89-9	ug/l	0.2	0.2	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA
gamma-Chlordane	5566-34-7	ug/l	2	2	NA	NA	NA	< 0.0071	U	0.0071	NA	NA	NA	< 0.0074	U	0.0074	NA	NA	NA
Heptachlor	76-44-8	ug/l	0.4	0.4	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA
Heptachlor Epoxide	1024-57-3	ug/l	0.2	0.2	NA	NA	NA	< 0.0093	U	0.0093	NA	NA	NA	< 0.0097	U	0.0097	NA	NA	NA
Methoxychlor	72-43-5	ug/l	40	40	NA	NA	NA	< 0.017	U	0.017	NA	NA	NA	< 0.018	U	0.018	NA	NA	NA
Toxaphene	8001-35-2	ug/l	3	3	NA	NA	NA	< 0.39	U	0.39	NA	NA	NA	< 0.40	U	0.4	NA	NA	NA
PCBs																			
Aroclor 1016	12674-11-2	ug/l	2.6	7.2	NA	NA	NA	< 0.095	U	0.095	NA	NA	NA	< 0.10	U	0.1	NA	NA	NA
Aroclor 1221	11104-28-2	ug/l	1.3	5.2	NA	NA	NA	< 0.094	U	0.094	NA	NA	NA	< 0.10	U	0.1	NA	NA	NA
Aroclor 1232	11141-16-5	ug/l	1.3	5.2	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.12	U	0.12	NA	NA	NA
Aroclor 1242	53469-21-9	ug/l	1.3	5.2	NA	NA	NA	< 0.07	U	0.07	NA	NA	NA	< 0.074	U	0.074	NA	NA	NA
Aroclor 1248	12672-29-6	ug/l	0.37	1.4	NA	NA	NA	< 0.085	U	0.085	NA	NA	NA	< 0.091	U	0.091	NA	NA	NA
Aroclor 1254	11097-69-1	ug/l	0.37	1.4	NA	NA	NA	< 0.086	U	0.086	NA	NA	NA	< 0.092	U	0.092	NA	NA	NA
Aroclor 1260	11096-82-5	ug/l	1.1	4.3	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	< 0.054	U	0.054	NA	NA	NA
Volatile Organic Compounds																			
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.2	0.2	NA	NA	NA	< 0.0029	U	0.0029	NA	NA	NA	< 0.0029	U	0.0029	NA	NA	NA
1,2-Dibromoethane	106-93-4	ug/l	0.05	0.05	NA	NA	NA	< 0.0021	U	0.0021	NA	NA	NA	< 0.0021	U	0.0021	NA	NA	NA
1,1,1-Trichloroethane	71-55-6	ug/l	200	200	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.3	0.3	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.15	U	0.15	NA	NA	NA
1,1,2-Trichloroethane	79-00-5	ug/l	5	5	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.20	U	0.2	NA	NA	NA
1,1-Dichloroethane	75-34-3	ug/l	27	110	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA
1,1-Dichloroethene	75-35-4	ug/l	7	7	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA	< 0.28	U	0.28	NA	NA	NA
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	70	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.15	U	0.15	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	ug/l	600	600	NA	NA	NA	< 0.086	U	0.086	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA
1,2-Dichloroethane	107-06-2	ug/l	5	5	NA	NA	NA	< 0.076	U	0.076	NA	NA	NA	< 0.21	U	0.21	NA	NA	NA
1,2-Dichloropropane	78-87-5	ug/l	5	5	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	ug/l	600	600	NA	NA	NA	< 0.1	U	0.1	NA	NA	NA	< 0.16	U	0.16	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	ug/l	75	75	NA	NA	NA	< 0.1	U	0.1	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA
2-Butanone	78-93-3	ug/l	4,000	4,000	NA	NA	NA	< 0.65	U	0.65	NA	NA	NA	< 0.50	U	0.5	NA	NA	NA
2-Hexanone	591-78-6	ug/l	N.S.	N.S.	NA	NA	NA	< 0.55	U	0.55	NA	NA	NA	< 0.53	U	0.53	NA	NA	NA
4-Methyl-2-pentanone	108-10-1	ug/l	190	410	NA	NA	NA	< 0.61	U	0.61	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA
Acetone	67-64-1	ug/l	3,700	10,000	NA	NA	NA	< 2.5	U	2.5	NA	NA	NA	< 2.5	U	2.5	NA	NA	NA
Benzene	71-43-2	ug/l	5	5	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA
Bromodichloromethane	75-27-4	ug/l	100	100	NA	NA	NA	< 0.099	U	0.099	NA	NA	NA	< 0.20	U	0.2	NA	NA	NA
Bromoform	75-25-2	ug/l	80	80	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA
Bromomethane	74-83-9	ug/l	10	10	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.30	U	0.3	NA	NA	NA
Carbon Disulfide	75-15-0	ug/l	1,900	4,100	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.20	U	0.2	NA	NA	NA
Carbon Tetrachloride	56-23-5	ug/l	5	5	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.30	U	0.3	NA	NA	NA
Chlorobenzene	108-90-7	ug/l	100	100	NA	NA	NA	< 0.33	U	0.33	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA
Chloroethane	75-00-3	ug/l	230	900	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA
Chloroform	67-66-3	ug/l	80	80	NA	NA	NA	< 0.068	U	0.068	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA
Chloromethane	74-87-3	ug/l	30	30	NA	NA	NA	< 0.14	U	0.14	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs Used Aquifers		MW-N6			MW-N6			MW-N6			MW-N6			MW-N6		
		Sample Date:			07/08/2008			07/08/2008			09/09/2008			09/09/2008			09/09/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			FD			FD			N		
		Fraction:			D			T			D			T			D		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
cis-1,2-Dichloroethene	156-59-2	ug/l	70	70	NA	NA	NA	0.75	J	0.09	NA	NA	NA	0.74	J	0.27	NA	NA	NA
cis-1,3-Dichloropropene	10061-01-5	ug/l	N.S.	N.S.	NA	NA	NA	< 0.13	U	0.13	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA
Cyclohexane	110-82-7	ug/l	N.S.	N.S.	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.30	U	0.3	NA	NA	NA
Dibromochloromethane	124-48-1	ug/l	80	80	NA	NA	NA	< 0.2	U	0.2	NA	NA	NA	< 0.16	U	0.16	NA	NA	NA
Dichlorodifluoromethane	75-71-8	ug/l	1,000	1,000	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA	< 0.26	U	0.26	NA	NA	NA
Ethylbenzene	100-41-4	ug/l	700	700	NA	NA	NA	< 0.066	U	0.066	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA
Freon 113	76-13-1	ug/l	83,000	170,000	NA	NA	NA	< 0.14	U	0.14	NA	NA	NA	< 0.30	U	0.3	NA	NA	NA
Isopropylbenzene	98-82-8	ug/l	1,100	2,300	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA
Methyl Acetate	79-20-9	ug/l	37,000	100,000	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA	< 0.10	U	0.1	NA	NA	NA
Methyl Cyclohexane	108-87-2	ug/l	N.S.	N.S.	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.32	U	0.32	NA	NA	NA
Methyl tert-Butyl Ether	1634-04-4	ug/l	20	20	NA	NA	NA	< 0.13	U	0.13	NA	NA	NA	< 0.20	U	0.2	NA	NA	NA
Methylene Chloride	75-09-2	ug/l	5	5	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.32	U	0.32	NA	NA	NA
Styrene	100-42-5	ug/l	100	100	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA
Tetrachloroethene	127-18-4	ug/l	5	5	NA	NA	NA	0.17	J	0.088	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA
Toluene	108-88-3	ug/l	1,000	1,000	NA	NA	NA	< 0.21	U	0.21	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA
trans-1,2-Dichloroethene	156-60-5	ug/l	100	100	NA	NA	NA	< 0.097	U	0.097	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA
trans-1,3-Dichloropropene	10061-02-6	ug/l	N.S.	N.S.	NA	NA	NA	< 0.16	U	0.16	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA
Trichloroethene	79-01-6	ug/l	5	5	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.29	U	0.29	NA	NA	NA
Trichlorofluoromethane	75-69-4	ug/l	2,000	2,000	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA	< 0.080	U	0.08	NA	NA	NA
Vinyl Chloride	75-01-4	ug/l	2	2	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.29	U	0.29	NA	NA	NA
Xylenes, Total	1330-20-7	ug/l	10,000	10,000	NA	NA	NA	< 0.2	U	0.2	NA	NA	NA	< 0.62	U	0.62	NA	NA	NA
1,2,4-Trimethylbenzene	95-63-6	ug/l	16	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA
1,3,5-Trimethylbenzene	108-67-8	ug/l	16	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA
n-Butylbenzene	104-51-8	ug/l	1,500	4,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA
n-Propylbenzene	103-65-1	ug/l	1,500	4,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA
Semivolatile Organic Compounds																			
2,4,5-Trichlorophenol	95-95-4	ug/l	3,700	10,000	NA	NA	NA	< 0.06	U	0.06	NA	NA	NA	< 0.061	U	0.061	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	ug/l	11	31	NA	NA	NA	< 0.055	U	0.055	NA	NA	NA	< 0.055	U	0.055	NA	NA	NA
2,4-Dichlorophenol	120-83-2	ug/l	20	20	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA
2,4-Dimethylphenol	105-67-9	ug/l	730	2,000	NA	NA	NA	< 0.05	U	0.05	NA	NA	NA	< 0.050	U	0.05	NA	NA	NA
2,4-Dinitrophenol	51-28-5	ug/l	19	41	NA	NA	NA	< 1.2	U	1.2	NA	NA	NA	< 1.2	U	1.2	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	ug/l	2.1	8.4	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	ug/l	37	100	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA
2-Chloronaphthalene	91-58-7	ug/l	2,900	8,200	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA
2-Chlorophenol	95-57-8	ug/l	40	40	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA
2-Methylnaphthalene	91-57-6	ug/l	730	2,000	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA
2-Methylphenol	95-48-7	ug/l	1,800	5,100	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	< 0.050	U	0.05	NA	NA	NA
2-Nitroaniline	88-74-4	ug/l	2.1	5.8	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA
2-Nitrophenol	88-75-5	ug/l	290	820	NA	NA	NA	< 0.052	U	0.052	NA	NA	NA	< 0.052	U	0.052	NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	ug/l	1.5	5.8	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA	< 0.040	U	0.04	NA	NA	NA
3-Nitroaniline	99-09-2	ug/l	2.1	5.8	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	N.S.	N.S.	NA	NA	NA	< 1.4	U	1.4	NA	NA	NA	< 1.4	U	1.4	NA	NA	NA

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs		MW-N6			MW-N6			MW-N6			MW-N6			MW-N6		
		Sample Date:	Used Aquifers		07/08/2008			07/08/2008			09/09/2008			09/09/2008			09/09/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			FD			FD			N		
		Fraction:			D			T			D			T			D		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
4-Bromophenyl Phenyl Ether	101-55-3	ug/l	N.S.	N.S.	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA
4-Chloro-3-methylphenol	59-50-7	ug/l	180	510	NA	NA	NA	< 0.057	U	0.057	NA	NA	NA	< 0.057	U	0.057	NA	NA	NA
4-Chloroaniline	106-47-8	ug/l	150	410	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA
4-Chlorophenyl-phenylether	7005-72-3	ug/l	N.S.	N.S.	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA
4-Methylphenol	106-44-5	ug/l	180	510	NA	NA	NA	< 0.071	U	0.071	NA	NA	NA	< 0.071	U	0.071	NA	NA	NA
4-Nitroaniline	100-01-6	ug/l	2.1	5.8	NA	NA	NA	***19***		0.024	NA	NA	NA	< 0.025	U	0.025	NA	NA	NA
4-Nitrophenol	100-02-7	ug/l	60	60	NA	NA	NA	< 0.067	U	0.067	NA	NA	NA	< 0.068	U	0.068	NA	NA	NA
Acenaphthene	83-32-9	ug/l	2,200	3,800	NA	NA	NA	< 0.05	U	0.05	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA
Acenaphthylene	208-96-8	ug/l	2,200	6,100	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA
Acetophenone	98-86-2	ug/l	3,700	10,000	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA
Anthracene	120-12-7	ug/l	66	66	NA	NA	NA	0.051	J	0.049	NA	NA	NA	0.058	J	0.049	NA	NA	NA
Atrazine	1912-24-9	ug/l	3	3	NA	NA	NA	< 0.037	U	0.037	NA	NA	NA	< 0.038	U	0.038	NA	NA	NA
Benzaldehyde	100-52-7	ug/l	N.S.	N.S.	NA	NA	NA	< 0.052	U	0.052	NA	NA	NA	< 0.052	U	0.052	NA	NA	NA
Benzo[a]anthracene	56-55-3	ug/l	0.9	3.6	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA	< 0.040	U	0.04	NA	NA	NA
Benzo[a]pyrene	50-32-8	ug/l	0.2	0.2	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA
Benzo[b]fluoranthene	205-99-2	ug/l	0.9	1.2	NA	NA	NA	0.073	J	0.03	NA	NA	NA	< 0.030	U	0.03	NA	NA	NA
Benzo[g,h,i]perylene	191-24-2	ug/l	0.26	0.26	NA	NA	NA	< 0.026	U	0.026	NA	NA	NA	< 0.027	U	0.027	NA	NA	NA
Benzo[k]fluoranthene	207-08-9	ug/l	0.55	0.55	NA	NA	NA	0.07	J	0.038	NA	NA	NA	< 0.038	U	0.038	NA	NA	NA
Biphenyl	92-52-4	ug/l	1,800	5,100	NA	NA	NA	< 0.058	U	0.058	NA	NA	NA	< 0.058	U	0.058	NA	NA	NA
Bis(2-chloroethoxy)methane	111-91-1	ug/l	N.S.	N.S.	NA	NA	NA	< 0.12	U	0.12	NA	NA	NA	< 0.12	U	0.12	NA	NA	NA
Bis(2-chloroethyl) Ether	111-44-4	ug/l	0.13	0.55	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA
Bis(2-chloroisopropyl) Ether	108-60-1	ug/l	300	300	NA	NA	NA	< 0.025	U	0.025	NA	NA	NA	< 0.025	U	0.025	NA	NA	NA
Bis(2-ethylhexyl) Phthalate	117-81-7	ug/l	6	6	NA	NA	NA	< 2	B	2	NA	NA	NA	< 1.8	B	1.8	NA	NA	NA
Butylbenzyl Phthalate	85-68-7	ug/l	2,700	2,700	NA	NA	NA	< 0.43	B	0.43	NA	NA	NA	< 0.13	U	0.13	NA	NA	NA
Caprolactum	105-60-2	ug/l	N.S.	N.S.	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 4.8	B	4.8	NA	NA	NA
Carbazole	86-74-8	ug/l	33	130	NA	NA	NA	< 0.05	U	0.05	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA
Chrysene	218-01-9	ug/l	1.9	1.9	NA	NA	NA	< 0.034	U	0.034	NA	NA	NA	< 0.034	U	0.034	NA	NA	NA
Dibenzo[a,h]anthracene	53-70-3	ug/l	0.09	0.36	NA	NA	NA	< 0.033	U	0.033	NA	NA	NA	< 0.034	U	0.034	NA	NA	NA
Dibenzofuran	132-64-9	ug/l	N.S.	N.S.	NA	NA	NA	0.058	J	0.051	NA	NA	NA	0.084	J	0.052	NA	NA	NA
Diethyl Phthalate	84-66-2	ug/l	5,000	5,000	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA	0.33	J	0.24	NA	NA	NA
Dimethyl Phthalate	131-11-3	ug/l	N.S.	N.S.	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA
Di-n-Butyl Phthalate	84-74-2	ug/l	3,700	10,000	NA	NA	NA	< 0.11	B	0.11	NA	NA	NA	< 0.13	B	0.13	NA	NA	NA
Di-n-octyl Phthalate	117-84-0	ug/l	730	2,000	NA	NA	NA	0.13	J	0.041	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA
Fluoranthene	206-44-0	ug/l	260	260	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA
Fluorene	86-73-7	ug/l	1,500	1,900	NA	NA	NA	< 0.052	U	0.052	NA	NA	NA	0.064	J	0.053	NA	NA	NA
Hexachlorobenzene	118-74-1	ug/l	1	1	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA
Hexachlorobutadiene	87-68-3	ug/l	1	1	NA	NA	NA	< 0.036	U	0.036	NA	NA	NA	< 0.036	U	0.036	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	ug/l	50	50	NA	NA	NA	< 0.077	U	0.077	NA	NA	NA	< 0.078	U	0.078	NA	NA	NA
Hexachloroethane	67-72-1	ug/l	1	1	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA
Indeno[1,2,3-cd]pyrene	193-39-5	ug/l	0.9	3.6	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA
Isophorone	78-59-1	ug/l	100	100	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA
Naphthalene	91-20-3	ug/l	100	100	NA	NA	NA	0.053	J	0.041	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs		MW-N6			MW-N6			MW-N6			MW-N6			MW-N6		
		Sample Date:	Used Aquifers		07/08/2008			07/08/2008			09/09/2008			09/09/2008			09/09/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			FD			FD			N		
		Fraction:			D			T			D			T			D		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Nitrobenzene	98-95-3	ug/l	18	51	NA	NA	NA	< 0.061	U	0.061	NA	NA	NA	< 0.062	U	0.062	NA	NA	NA
N-Nitroso-di-n-propylamine	621-64-7	ug/l	0.094	0.37	NA	NA	NA	< 0.057	U	0.057	NA	NA	NA	< 0.058	U	0.058	NA	NA	NA
N-Nitrosodiphenylamine	86-30-6	ug/l	130	530	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA
Pentachlorophenol	87-86-5	ug/l	1	1	NA	NA	NA	< 0.08	U	0.08	NA	NA	NA	< 0.081	U	0.081	NA	NA	NA
Phenanthrene	85-01-8	ug/l	1,100	1,100	NA	NA	NA	< 0.27	B	0.27	NA	NA	NA	< 0.38	B	0.38	NA	NA	NA
Phenol	108-95-2	ug/l	4,000	4,000	NA	NA	NA	< 0.021	U	0.021	NA	NA	NA	< 0.021	U	0.021	NA	NA	NA
Pyrene	129-00-0	ug/l	130	130	NA	NA	NA	< 0.054	U	0.054	NA	NA	NA	< 0.055	U	0.055	NA	NA	NA

Notes:
1) N.S. = No Standard
2) N = Primary Sample
3) FD = Field Duplicate
4) NA = Results not available.
5) T = Total Results
6) D = Dissolved Results
7) RDL = Reporting Detection Limit
8) WG = Groundwater
9) Results above the Residential PADEP MSCs (Used Aquifers, 2500 ug/L) are shown in *italics*.
10) Results above the Non-Residential PADEP MSCs (Used Aquifers, 2500 ug/L) are shown in **bold.**
11) Alpha and beta-chlordane concentrations screened against the Non-Residential Direct Contact and Soil-to-Groundwater concentrations for chlordane (CASRN #57-74-9).

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs Used Aquifers		MW-N6			MW-N7			MW-N7			MW-N7			MW-N7		
		Sample Date:			09/09/2008			07/09/2008			07/09/2008			07/09/2008			07/09/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			FD			FD			N			N		
		Fraction:			T			D			T			D			T		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Inorganics																			
Aluminum	7429-90-5	ug/l	N.S.	N.S.	< 12.8	B	12.8	< 6.4	B	6.4	71.9	K	1.2	< 3	B	3	49.8	K	1.2
Antimony	7440-36-0	ug/l	6	6	0.3	J	0.047	< 0.36	B	0.36	< 0.25	B	0.25	< 0.49	B	0.49	0.28	J	0.047
Arsenic	7440-38-2	ug/l	10	10	< 1.2	B	1.2	5.5		0.14	5.7		0.14	5.5		0.14	5.4		0.14
Barium	7440-39-3	ug/l	2,000	2,000	41.3		0.076	170		0.076	166		0.076	166		0.076	156		0.076
Beryllium	7440-41-7	ug/l	4	4	< 0.068	U	0.068	< 0.068	U	0.068	< 0.068	U	0.068	< 0.068	U	0.068	< 0.068	U	0.068
Cadmium	7440-43-9	ug/l	5	5	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11
Calcium	7440-70-2	ug/l	N.S.	N.S.	72,500		6.3	127,000		6.3	126,000		6.3	128,000		6.3	120,000		6.3
Chromium	7440-47-3	ug/l	100	100	< 4.1	B	4.1	< 4.5	B	4.5	14		0.11	< 3.6	B	3.6	< 9.5	B	9.5
Cobalt	7440-48-4	ug/l	730	2,000	0.35	J	0.017	1.5		0.017	2.1		0.017	1.5		0.017	1.7		0.017
Copper	7440-50-8	ug/l	1,000	1,000	< 1.2	B	1.2	< 1.8	B	1.8	< 2.7	B	2.7	< 1.6	B	1.6	< 2.1	B	2.1
Iron	7439-89-6	ug/l	N.S.	N.S.	< 7.4	U	7.4	5,340		7.4	5,630	K	7.4	4,990		7.4	4,910	K	7.4
Lead	7439-92-1	ug/l	5	5	< 0.081	B	0.081	< 0.68	B	0.68	< 1.1	B	1.1	< 0.85	B	0.85	< 0.83	B	0.83
Magnesium	7439-95-4	ug/l	N.S.	N.S.	14,100		3.4	13,200		3.4	12,800		3.4	13,200		3.4	12,300		3.4
Manganese	7439-96-5	ug/l	300	300	***304***		0.047	***878***		0.047	***828***		0.047	***831***		0.047	***729***		0.047
Nickel	7440-02-0	ug/l	100	100	< 0.87	B	0.87	8		0.073	8.7		0.073	7.7		0.073	5.7		0.073
Potassium	7440-09-7	ug/l	N.S.	N.S.	13,500	J	5.6	3,940		5.6	3,960		5.6	3,920		5.6	3,820		5.6
Selenium	7782-49-2	ug/l	50	50	< 1.6	B	1.6	< 0.56	B	0.56	0.61	J	0.21	< 0.52	B	0.52	0.38	J	0.21
Silver	7440-22-4	ug/l	100	100	< 0.077	U	0.077	< 0.077	U	0.077	0.11	J	0.077	< 0.077	U	0.077	< 0.077	U	0.077
Sodium	7440-23-5	ug/l	N.S.	N.S.	25,400		7	15,500		7	14,700		7	15,800		7	16,100		7
Thallium	7440-28-0	ug/l	2	2	< 0.089	B	0.089	< 0.16	B	0.16	< 0.11	B	0.11	< 0.063	B	0.063	< 0.18	B	0.1B
Vanadium	7440-62-2	ug/l	260	720	< 1.1	B	1.1	0.76	J	0.097	< 0.13	B	0.13	0.43	J	0.097	< 0.097	U	0.097
Zinc	7440-66-6	ug/l	2,000	2,000	< 5.7	B	5.7	48.1		0.6	< 14.3	B	14.3	53.4		0.6	< 12.7	B	12.7
Mercury	7439-97-6	ug/l	2	2	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055
Cyanide	57-12-5	ug/l	200	200	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7
Total Dissolved Solids	TDS	mg/l	N.S.	N.S.	410		10	NA	NA	NA	446		10	NA	NA	NA	452		10
Pesticides																			
4,4-DDD	72-54-8	ug/l	0.62	2.7	< 0.0074	U	0.0074	NA	NA	NA	< 0.0073	U	0.0073	NA	NA	NA	< 0.0073	U	0.0073
4,4-DDE	72-55-9	ug/l	1.9	7.6	< 0.0065	U	0.0065	NA	NA	NA	< 0.0064	U	0.0064	NA	NA	NA	< 0.0064	U	0.0064
4,4-DDT	50-29-3	ug/l	1.9	5.5	< 0.013	U	0.013	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA	< 0.013	U	0.013
Aldrin	309-00-2	ug/l	0.0087	0.037	< 0.011	U	0.011	NA	NA	NA	< 0.010	U	0.01	NA	NA	NA	< 0.010	U	0.01
alpha-BHC	319-84-6	ug/l	0.1	0.41	< 0.015	U	0.015	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014
alpha-Chlordane	5103-71-9	ug/l	2	2	< 0.011	U	0.011	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA	< 0.011	U	0.011
alpha-Endosulfan	959-98-8	ug/l	220	500	< 0.0071	U	0.0071	NA	NA	NA	< 0.007	U	0.007	NA	NA	NA	< 0.007	U	0.007
beta-BHC	319-85-7	ug/l	0.37	1.4	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014
beta-Endosulfan	33213-65-9	ug/l	220	450	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014
delta-BHC	319-86-8	ug/l	22	61	< 0.0091	U	0.0091	NA	NA	NA	< 0.0089	U	0.0089	NA	NA	NA	< 0.0089	U	0.0089
Dieldrin	60-57-1	ug/l	0.041	0.16	< 0.0077	U	0.0077	NA	NA	NA	< 0.0075	U	0.0075	NA	NA	NA	< 0.0075	U	0.0075
Endosulfan Sulfate	1031-07-8	ug/l	120	120	< 0.015	U	0.015	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA	< 0.015	U	0.015
Endrin	72-20-8	ug/l	2	2	< 0.0073	U	0.0073	NA	NA	NA	< 0.0072	U	0.0072	NA	NA	NA	< 0.0072	U	0.0072
Endrin Aldehyde	7421-93-4	ug/l	N.S.	N.S.	< 0.012	U	0.012	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA	< 0.011	U	0.011
Endrin Ketone	53494-70-5	ug/l	N.S.	N.S.	< 0.0096	U	0.0096	NA	NA	NA	< 0.0094	U	0.0094	NA	NA	NA	< 0.0094	U	0.0094

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs Used Aquifers		MW-N6			MW-N7			MW-N7			MW-N7			MW-N7		
		Sample Date:			09/09/2008			07/09/2008			07/09/2008			07/09/2008			07/09/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			FD			FD			N			N		
		Fraction:			T			D			T			D			T		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
gamma-BHC	58-89-9	ug/l	0.2	0.2	< 0.015	U	0.015	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014
gamma-Chlordane	5566-34-7	ug/l	2	2	< 0.0072	U	0.0072	NA	NA	NA	< 0.0071	U	0.0071	NA	NA	NA	< 0.0071	U	0.0071
Heptachlor	76-44-8	ug/l	0.4	0.4	< 0.013	U	0.013	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA	< 0.013	U	0.013
Heptachlor Epoxide	1024-57-3	ug/l	0.2	0.2	< 0.0095	U	0.0095	NA	NA	NA	< 0.0093	U	0.0093	NA	NA	NA	< 0.0093	U	0.0093
Methoxychlor	72-43-5	ug/l	40	40	< 0.018	U	0.018	NA	NA	NA	< 0.017	U	0.017	NA	NA	NA	< 0.017	U	0.017
Toxaphene	8001-35-2	ug/l	3	3	< 0.39	U	0.39	NA	NA	NA	< 0.39	U	0.39	NA	NA	NA	< 0.39	U	0.39
PCBs																			
Aroclor 1016	12674-11-2	ug/l	2.6	7.2	< 0.10	U	0.1	NA	NA	NA	< 0.095	U	0.095	NA	NA	NA	< 0.095	U	0.095
Aroclor 1221	11104-28-2	ug/l	1.3	5.2	< 0.10	U	0.1	NA	NA	NA	< 0.094	U	0.094	NA	NA	NA	< 0.094	U	0.094
Aroclor 1232	11141-16-5	ug/l	1.3	5.2	< 0.12	U	0.12	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11
Aroclor 1242	53469-21-9	ug/l	1.3	5.2	< 0.074	U	0.074	NA	NA	NA	< 0.07	U	0.07	NA	NA	NA	< 0.07	U	0.07
Aroclor 1248	12672-29-6	ug/l	0.37	1.4	< 0.091	U	0.091	NA	NA	NA	< 0.085	U	0.085	NA	NA	NA	< 0.085	U	0.085
Aroclor 1254	11097-69-1	ug/l	0.37	1.4	< 0.092	U	0.092	NA	NA	NA	< 0.086	U	0.086	NA	NA	NA	< 0.086	U	0.086
Aroclor 1260	11096-82-5	ug/l	1.1	4.3	< 0.054	U	0.054	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	< 0.051	U	0.051
Volatile Organic Compounds																			
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.2	0.2	< 0.0029	U	0.0029	NA	NA	NA	< 0.0029	U	0.0029	NA	NA	NA	< 0.0029	U	0.0029
1,2-Dibromoethane	106-93-4	ug/l	0.05	0.05	< 0.0021	U	0.0021	NA	NA	NA	< 0.0021	U	0.0021	NA	NA	NA	< 0.0021	U	0.0021
1,1,1-Trichloroethane	71-55-6	ug/l	200	200	< 0.25	U	0.25	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.3	0.3	< 0.15	U	0.15	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.22	U	0.22
1,1,2-Trichloroethane	79-00-5	ug/l	5	5	< 0.20	U	0.2	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11
1,1-Dichloroethane	75-34-3	ug/l	27	110	< 0.24	U	0.24	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.19	U	0.19
1,1-Dichloroethene	75-35-4	ug/l	7	7	< 0.28	U	0.28	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA	< 0.17	U	0.17
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	70	< 0.15	U	0.15	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11
1,2-Dichlorobenzene	95-50-1	ug/l	600	600	< 0.22	U	0.22	NA	NA	NA	< 0.086	U	0.086	NA	NA	NA	< 0.086	U	0.086
1,2-Dichloroethane	107-06-2	ug/l	5	5	< 0.21	U	0.21	NA	NA	NA	< 0.076	U	0.076	NA	NA	NA	< 0.076	U	0.076
1,2-Dichloropropane	78-87-5	ug/l	5	5	< 0.18	U	0.18	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA	< 0.24	U	0.24
1,3-Dichlorobenzene	541-73-1	ug/l	600	600	< 0.16	U	0.16	NA	NA	NA	< 0.1	U	0.1	NA	NA	NA	< 0.1	U	0.1
1,4-Dichlorobenzene	106-46-7	ug/l	75	75	< 0.18	U	0.18	NA	NA	NA	< 0.1	U	0.1	NA	NA	NA	< 0.1	U	0.1
2-Butanone	78-93-3	ug/l	4,000	4,000	< 0.50	U	0.5	NA	NA	NA	< 0.65	U	0.65	NA	NA	NA	0.99	J	0.65
2-Hexanone	591-78-6	ug/l	N.S.	N.S.	< 0.53	U	0.53	NA	NA	NA	< 0.55	U	0.55	NA	NA	NA	< 0.55	U	0.55
4-Methyl-2-pentanone	108-10-1	ug/l	190	410	< 0.23	U	0.23	NA	NA	NA	< 0.61	U	0.61	NA	NA	NA	< 0.61	U	0.61
Acetone	67-64-1	ug/l	3,700	10,000	< 2.5	U	2.5	NA	NA	NA	< 5.2	B	5.2	NA	NA	NA	< 8	B	8
Benzene	71-43-2	ug/l	5	5	< 0.27	U	0.27	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.19	U	0.19
Bromodichloromethane	75-27-4	ug/l	100	100	< 0.20	U	0.2	NA	NA	NA	< 0.099	U	0.099	NA	NA	NA	< 0.099	U	0.099
Bromoform	75-25-2	ug/l	80	80	< 0.25	U	0.25	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.27	U	0.27
Bromomethane	74-83-9	ug/l	10	10	< 0.30	U	0.3	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.18	U	0.18
Carbon Disulfide	75-15-0	ug/l	1,900	4,100	< 0.20	U	0.2	NA	NA	NA	0.17	J	0.11	NA	NA	NA	< 0.11	U	0.11
Carbon Tetrachloride	56-23-5	ug/l	5	5	< 0.30	U	0.3	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.22	U	0.22
Chlorobenzene	108-90-7	ug/l	100	100	< 0.23	U	0.23	NA	NA	NA	< 0.33	U	0.33	NA	NA	NA	< 0.33	U	0.33
Chloroethane	75-00-3	ug/l	230	900	< 0.25	U	0.25	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11
Chloroform	67-66-3	ug/l	80	80	< 0.24	U	0.24	NA	NA	NA	< 0.068	U	0.068	NA	NA	NA	< 0.068	U	0.068
Chloromethane	74-87-3	ug/l	30	30	< 0.27	U	0.27	NA	NA	NA	< 0.14	U	0.14	NA	NA	NA	< 0.14	U	0.14

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs Used Aquifers		MW-N6			MW-N7			MW-N7			MW-N7			MW-N7		
		Sample Date:			09/09/2008			07/09/2008			07/09/2008			07/09/2008			07/09/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			FD			FD			N			N		
		Fraction:			T			D			T			D			T		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
cis-1,2-Dichloroethene	156-59-2	ug/l	70	70	0.76	J	0.27	NA	NA	NA	< 0.09	U	0.09	NA	NA	NA	< 0.09	U	0.09
cis-1,3-Dichloropropene	10061-01-5	ug/l	N.S.	N.S.	< 0.19	U	0.19	NA	NA	NA	< 0.13	U	0.13	NA	NA	NA	< 0.13	U	0.13
Cyclohexane	110-82-7	ug/l	N.S.	N.S.	< 0.30	U	0.3	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11
Dibromochloromethane	124-48-1	ug/l	80	80	< 0.16	U	0.16	NA	NA	NA	< 0.2	U	0.2	NA	NA	NA	< 0.2	U	0.2
Dichlorodifluoromethane	75-71-8	ug/l	1,000	1,000	< 0.26	U	0.26	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA	< 0.23	U	0.23
Ethylbenzene	100-41-4	ug/l	700	700	< 0.18	U	0.18	NA	NA	NA	< 0.066	U	0.066	NA	NA	NA	< 0.066	U	0.066
Freon 113	76-13-1	ug/l	83,000	170,000	< 0.30	U	0.3	NA	NA	NA	< 0.14	U	0.14	NA	NA	NA	< 0.14	U	0.14
Isopropylbenzene	98-82-8	ug/l	1,100	2,300	< 0.22	U	0.22	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.27	U	0.27
Methyl Acetate	79-20-9	ug/l	37,000	100,000	< 0.10	U	0.1	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA	< 0.17	U	0.17
Methyl Cyclohexane	108-87-2	ug/l	N.S.	N.S.	< 0.32	U	0.32	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.18	U	0.18
Methyl tert-Butyl Ether	1634-04-4	ug/l	20	20	< 0.20	U	0.2	NA	NA	NA	< 0.13	U	0.13	NA	NA	NA	< 0.13	U	0.13
Methylene Chloride	75-09-2	ug/l	5	5	< 0.32	U	0.32	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.19	U	0.19
Styrene	100-42-5	ug/l	100	100	< 0.22	U	0.22	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA	< 0.25	U	0.25
Tetrachloroethene	127-18-4	ug/l	5	5	< 0.24	U	0.24	NA	NA	NA	< 0.088	U	0.088	NA	NA	NA	< 0.088	U	0.088
Toluene	108-88-3	ug/l	1,000	1,000	< 0.23	U	0.23	NA	NA	NA	< 0.21	U	0.21	NA	NA	NA	< 0.21	U	0.21
trans-1,2-Dichloroethene	156-60-5	ug/l	100	100	< 0.27	U	0.27	NA	NA	NA	< 0.097	U	0.097	NA	NA	NA	< 0.097	U	0.097
trans-1,3-Dichloropropene	10061-02-6	ug/l	N.S.	N.S.	< 0.18	U	0.18	NA	NA	NA	< 0.16	U	0.16	NA	NA	NA	< 0.16	U	0.16
Trichloroethene	79-01-6	ug/l	5	5	< 0.29	U	0.29	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.22	U	0.22
Trichlorofluoromethane	75-69-4	ug/l	2,000	2,000	< 0.080	U	0.08	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA	< 0.17	U	0.17
Vinyl Chloride	75-01-4	ug/l	2	2	< 0.29	U	0.29	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.11	U	0.11
Xylenes, Total	1330-20-7	ug/l	10,000	10,000	< 0.62	U	0.62	NA	NA	NA	< 0.2	U	0.2	NA	NA	NA	< 0.2	U	0.2
1,2,4-Trimethylbenzene	95-63-6	ug/l	16	35	< 0.22	U	0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	108-67-8	ug/l	16	35	< 0.22	U	0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	104-51-8	ug/l	1,500	4,100	< 0.22	U	0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	103-65-1	ug/l	1,500	4,100	< 0.22	U	0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Semivolatile Organic Compounds																			
2,4,5-Trichlorophenol	95-95-4	ug/l	3,700	10,000	< 0.062	U	0.062	NA	NA	NA	< 0.063	U	0.063	NA	NA	NA	< 0.063	U	0.063
2,4,6-Trichlorophenol	88-06-2	ug/l	11	31	< 0.056	U	0.056	NA	NA	NA	< 0.057	U	0.057	NA	NA	NA	< 0.057	U	0.057
2,4-Dichlorophenol	120-83-2	ug/l	20	20	< 0.048	U	0.048	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	< 0.049	U	0.049
2,4-Dimethylphenol	105-67-9	ug/l	730	2,000	0.13	J	0.051	NA	NA	NA	< 0.052	U	0.052	NA	NA	NA	< 0.052	U	0.052
2,4-Dinitrophenol	51-28-5	ug/l	19	41	< 1.3	U	1.3	NA	NA	NA	< 1.3	U	1.3	NA	NA	NA	< 1.3	U	1.3
2,4-Dinitrotoluene	121-14-2	ug/l	2.1	8.4	< 0.045	U	0.045	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.045	U	0.045
2,6-Dinitrotoluene	606-20-2	ug/l	37	100	< 0.050	U	0.05	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	< 0.051	U	0.051
2-Chloronaphthalene	91-58-7	ug/l	2,900	8,200	< 0.044	U	0.044	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.044	U	0.044
2-Chlorophenol	95-57-8	ug/l	40	40	< 0.045	U	0.045	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.045	U	0.045
2-Methylnaphthalene	91-57-6	ug/l	730	2,000	0.066	J	0.046	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA	< 0.047	U	0.047
2-Methylphenol	95-48-7	ug/l	1,800	5,100	0.067	J	0.051	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	< 0.051	U	0.051
2-Nitroaniline	88-74-4	ug/l	2.1	5.8	< 0.047	U	0.047	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA	< 0.048	U	0.048
2-Nitrophenol	88-75-5	ug/l	290	820	< 0.053	U	0.053	NA	NA	NA	< 0.054	U	0.054	NA	NA	NA	< 0.054	U	0.054
3,3'-Dichlorobenzidine	91-94-1	ug/l	1.5	5.8	< 0.041	U	0.041	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.041	U	0.041
3-Nitroaniline	99-09-2	ug/l	2.1	5.8	< 0.040	U	0.04	NA	NA	NA	< 0.04	U	0.04	NA	NA	NA	< 0.04	U	0.04
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	N.S.	N.S.	< 1.4	U	1.4	NA	NA	NA	< 1.4	U	1.4	NA	NA	NA	< 1.4	U	1.4

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs Used Aquifers		MW-N6			MW-N7			MW-N7			MW-N7			MW-N7		
		Sample Date:			09/09/2008			07/09/2008			07/09/2008			07/09/2008			07/09/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			FD			FD			N			N		
		Fraction:			T			D			T			D			T		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
4-Bromophenyl Phenyl Ether	101-55-3	ug/l	N.S.	N.S.	< 0.049	U	0.049	NA	NA	NA	< 0.05	U	0.05	NA	NA	NA	< 0.05	U	0.05
4-Chloro-3-methylphenol	59-50-7	ug/l	180	510	< 0.058	U	0.058	NA	NA	NA	< 0.059	U	0.059	NA	NA	NA	< 0.059	U	0.059
4-Chloroaniline	106-47-8	ug/l	150	410	< 0.046	U	0.046	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.046	U	0.046
4-Chlorophenyl-phenylether	7005-72-3	ug/l	N.S.	N.S.	< 0.042	U	0.042	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.043	U	0.043
4-Methylphenol	106-44-5	ug/l	180	510	0.46	J	0.073	NA	NA	NA	5	J	0.074	NA	NA	NA	< 0.074	UJ	0.074
4-Nitroaniline	100-01-6	ug/l	2.1	5.8	< 0.025	U	0.025	NA	NA	NA	< 0.025	U	0.025	NA	NA	NA	< 0.025	U	0.025
4-Nitrophenol	100-02-7	ug/l	60	60	< 0.069	U	0.069	NA	NA	NA	< 0.07	U	0.07	NA	NA	NA	< 0.07	U	0.07
Acenaphthene	83-32-9	ug/l	2,200	3,800	0.12	J	0.052	NA	NA	NA	< 0.052	U	0.052	NA	NA	NA	< 0.052	U	0.052
Acenaphthylene	208-96-8	ug/l	2,200	6,100	< 0.046	U	0.046	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.046	U	0.046
Acetophenone	98-86-2	ug/l	3,700	10,000	< 0.046	U	0.046	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	0.19	J	0.046
Anthracene	120-12-7	ug/l	66	66	0.17	J	0.05	NA	NA	NA	0.19	J	0.051	NA	NA	NA	< 0.051	U	0.051
Atrazine	1912-24-9	ug/l	3	3	< 0.039	U	0.039	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA	< 0.039	U	0.039
Benzaldehyde	100-52-7	ug/l	N.S.	N.S.	< 0.054	U	0.054	NA	NA	NA	< 0.054	U	0.054	NA	NA	NA	0.17	J	0.054
Benzo[a]anthracene	56-55-3	ug/l	0.9	3.6	0.089	J	0.041	NA	NA	NA	***2.1***	J	0.041	NA	NA	NA	< 0.041	UJ	0.041
Benzo[a]pyrene	50-32-8	ug/l	0.2	0.2	0.058	J	0.043	NA	NA	NA	***2.1***	J	0.044	NA	NA	NA	< 0.044	UJ	0.044
Benzo[b]fluoranthene	205-99-2	ug/l	0.9	1.2	< 0.031	U	0.031	NA	NA	NA	***1.9***	J	0.031	NA	NA	NA	< 0.031	UJ	0.031
Benzo[g,h,i]perylene	191-24-2	ug/l	0.26	0.26	0.047	J	0.027	NA	NA	NA	***2.9***	J	0.027	NA	NA	NA	< 0.027	UJ	0.027
Benzo[k]fluoranthene	207-08-9	ug/l	0.55	0.55	< 0.039	U	0.039	NA	NA	NA	***2.4***	J	0.039	NA	NA	NA	< 0.039	UJ	0.039
Biphenyl	92-52-4	ug/l	1,800	5,100	< 0.060	U	0.06	NA	NA	NA	< 0.06	U	0.06	NA	NA	NA	< 0.06	U	0.06
Bis(2-chloroethoxy)methane	111-91-1	ug/l	N.S.	N.S.	< 0.12	U	0.12	NA	NA	NA	< 0.12	U	0.12	NA	NA	NA	< 0.12	U	0.12
Bis(2-chloroethyl) Ether	111-44-4	ug/l	0.13	0.55	< 0.046	U	0.046	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.046	U	0.046
Bis(2-chloroisopropyl) Ether	108-60-1	ug/l	300	300	< 0.026	U	0.026	NA	NA	NA	< 0.026	U	0.026	NA	NA	NA	< 0.026	U	0.026
Bis(2-ethylhexyl) Phthalate	117-81-7	ug/l	6	6	< 3.6	B	3.6	NA	NA	NA	***11***	J	0.12	NA	NA	NA	4.1	J	0.12
Butylbenzyl Phthalate	85-68-7	ug/l	2,700	2,700	< 0.14	U	0.14	NA	NA	NA	0.48	J	0.14	NA	NA	NA	0.61	J	0.14
Caprolactum	105-60-2	ug/l	N.S.	N.S.	< 0.19	U	0.19	NA	NA	NA	< 0.19	UJ	0.19	NA	NA	NA	12	J	0.19
Carbazole	86-74-8	ug/l	33	130	0.12	J	0.052	NA	NA	NA	< 0.052	U	0.052	NA	NA	NA	< 0.052	U	0.052
Chrysene	218-01-9	ug/l	1.9	1.9	0.11	J	0.035	NA	NA	NA	***2.3***	J	0.036	NA	NA	NA	< 0.036	UJ	0.036
Dibenzo[a,h]anthracene	53-70-3	ug/l	0.09	0.36	< 0.034	U	0.034	NA	NA	NA	***3***	J	0.035	NA	NA	NA	< 0.035	UJ	0.035
Dibenzofuran	132-64-9	ug/l	N.S.	N.S.	0.17	J	0.053	NA	NA	NA	0.086	J	0.053	NA	NA	NA	0.1	J	0.053
Diethyl Phthalate	84-66-2	ug/l	5,000	5,000	< 0.24	U	0.24	NA	NA	NA	0.3	J	0.24	NA	NA	NA	0.78	J	0.24
Dimethyl Phthalate	131-11-3	ug/l	N.S.	N.S.	< 0.042	U	0.042	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.042	U	0.042
Di-n-Butyl Phthalate	84-74-2	ug/l	3,700	10,000	< 0.16	B	0.16	NA	NA	NA	< 0.23	B	0.23	NA	NA	NA	< 0.4	B	0.4
Di-n-octyl Phthalate	117-84-0	ug/l	730	2,000	< 0.042	U	0.042	NA	NA	NA	1.6		0.043	NA	NA	NA	< 0.043	U	0.043
Fluoranthene	206-44-0	ug/l	260	260	0.12	J	0.049	NA	NA	NA	0.25		0.049	NA	NA	NA	0.075	J	0.049
Fluorene	86-73-7	ug/l	1,500	1,900	0.13	J	0.054	NA	NA	NA	< 0.054	U	0.054	NA	NA	NA	0.099	J	0.054
Hexachlorobenzene	118-74-1	ug/l	1	1	< 0.043	U	0.043	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.043	U	0.043
Hexachlorobutadiene	87-68-3	ug/l	1	1	< 0.037	U	0.037	NA	NA	NA	< 0.038	U	0.038	NA	NA	NA	< 0.038	U	0.038
Hexachlorocyclopentadiene	77-47-4	ug/l	50	50	< 0.079	U	0.079	NA	NA	NA	< 0.08	U	0.08	NA	NA	NA	< 0.08	U	0.08
Hexachloroethane	67-72-1	ug/l	1	1	< 0.043	U	0.043	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.043	U	0.043
Indeno[1,2,3-cd]pyrene	193-39-5	ug/l	0.9	3.6	0.063	J	0.047	NA	NA	NA	*2.8*	J	0.048	NA	NA	NA	< 0.048	UJ	0.048
Isophorone	78-59-1	ug/l	100	100	< 0.047	U	0.047	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA	< 0.047	U	0.047
Naphthalene	91-20-3	ug/l	100	100	< 0.043	U	0.043	NA	NA	NA	< 0.069	B	0.069	NA	NA	NA	< 0.096	B	0.096

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

			Sample Location:		MW-N6			MW-N7			MW-N7			MW-N7			MW-N7		
			Sample Date:	PADEP MSCs Used Aquifers	09/09/2008			07/09/2008			07/09/2008			07/09/2008			07/09/2008		
			Matrix Code:		WG			WG			WG			WG			WG		
			Sample Typ Code:	TDS<=2500	N			FD			FD			N			N		
			Fraction:		T			D			T			D			T		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Nitrobenzene	98-95-3	ug/l	18	51	< 0.063	U	0.063	NA	NA	NA	< 0.064	U	0.064	NA	NA	NA	< 0.064	U	0.064
N-Nitroso-di-n-propylamine	621-64-7	ug/l	0.094	0.37	< 0.059	U	0.059	NA	NA	NA	< 0.059	U	0.059	NA	NA	NA	< 0.059	U	0.059
N-Nitrosodiphenylamine	86-30-6	ug/l	130	530	< 0.048	U	0.048	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	< 0.049	U	0.049
Pentachlorophenol	87-86-5	ug/l	1	1	< 0.082	U	0.082	NA	NA	NA	< 0.083	U	0.083	NA	NA	NA	< 0.083	U	0.083
Phenanthrene	85-01-8	ug/l	1,100	1,100	< 0.23	B	0.23	NA	NA	NA	< 0.43	B	0.43	NA	NA	NA	0.47		0.055
Phenol	108-95-2	ug/l	4,000	4,000	< 0.022	U	0.022	NA	NA	NA	3.2	J	0.022	NA	NA	NA	< 0.022	UJ	0.022
Pyrene	129-00-0	ug/l	130	130	0.087	J	0.056	NA	NA	NA	0.21		0.057	NA	NA	NA	< 0.057	U	0.057

Notes:
1) N.S. = No Standard
2) N = Primary Sample
3) FD = Field Duplicate
4) NA = Results not available.
5) T = Total Results
6) D = Dissolved Results
7) RDL = Reporting Detection Limit
8) WG = Groundwater
9) Results above the Residential PADEP MSCs (Used Aquifers, 2500 ug/L) are shown in *italics.*
10) Results above the Non-Residential PADEP MSCs (Used Aquifers, 2500 ug/L) are shown in **bold.**
11) Alpha and beta-chlordane concentrations screened against the Non-Residential Direct
Contact and Soil-to-Groundwater concentrations for chlordane (CASRN #57-74-9).

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs		MW-N7			MW-N7			MW-N8			MW-N8			MW-N8		
		Sample Date:	Used Aquifers		09/10/2008			09/10/2008			07/08/2008			07/08/2008			09/10/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			D			T			D			T			D		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Inorganics																			
Aluminum	7429-90-5	ug/l	N.S.	N.S.	< 2.6	B	2.6	< 49.4	B	49.4	< 1.3	B	1.3	< 128	B	128	< 2.2	B	2.2
Antimony	7440-36-0	ug/l	6	6	0.21	J	0.047	0.45	J	0.047	< 0.047	U	0.047	< 0.12	B	0.12	0.085	J	0.047
Arsenic	7440-38-2	ug/l	10	10	7.2		0.14	6.1		0.14	0.42	J	0.14	0.65	J	0.14	< 0.9	B	0.9
Barium	7440-39-3	ug/l	2,000	2,000	126		0.076	132		0.076	33.8		0.076	33.3		0.076	31.6		0.076
Beryllium	7440-41-7	ug/l	4	4	< 0.068	U	0.068	< 0.068	U	0.068	< 0.068	U	0.068	< 0.068	U	0.068	< 0.068	U	0.068
Cadmium	7440-43-9	ug/l	5	5	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11
Calcium	7440-70-2	ug/l	N.S.	N.S.	114,000		6.3	115,000		6.3	172,000		6.3	159,000		6.3	183,000		6.3
Chromium	7440-47-3	ug/l	100	100	< 3.9	B	3.9	< 4.6	B	4.6	< 4.4	B	4.4	< 3.7	B	3.7	< 6	B	6
Cobalt	7440-48-4	ug/l	730	2,000	0.94		0.017	0.9		0.017	2.2		0.017	2.3		0.017	2.4		0.017
Copper	7440-50-8	ug/l	1,000	1,000	< 0.76	B	0.76	3.9		0.14	< 1.4	B	1.4	< 5	B	5	< 1.2	B	1.2
Iron	7439-89-6	ug/l	N.S.	N.S.	4,970		7.4	3,540		7.4	< 25.2	B	25.2	< 351	B	351	32	J	7.4
Lead	7439-92-1	ug/l	5	5	< 0.092	B	0.092	1.8		0.02	< 0.16	B	0.16	< 0.87	B	0.87	< 0.037	B	0.037
Magnesium	7439-95-4	ug/l	N.S.	N.S.	9,030		3.4	8,500		3.4	38,400		3.4	36,400		3.4	35,500		3.4
Manganese	7439-96-5	ug/l	300	300	***472***		0.047	***401***		0.047	***659***		0.047	***594***		0.047	***553***		0.047
Nickel	7440-02-0	ug/l	100	100	2		0.073	2.2		0.073	5.8		0.073	< 4.3	B	4.3	6.7		0.073
Potassium	7440-09-7	ug/l	N.S.	N.S.	4,920	J	5.6	4,860	J	5.6	1,770		5.6	1,680		5.6	1,980	J	5.6
Selenium	7782-49-2	ug/l	50	50	< 0.6	B	0.6	< 0.84	B	0.84	1.2	J	0.21	1.6	J	0.21	1.9	J	0.21
Silver	7440-22-4	ug/l	100	100	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077
Sodium	7440-23-5	ug/l	N.S.	N.S.	16,700		7	13,100		7	62,600		7	55,800		7	50,300		7
Thallium	7440-28-0	ug/l	2	2	< 0.079	B	0.079	0.094	J	0.018	< 0.026	B	0.026	< 0.059	B	0.059	< 0.083	B	0.083
Vanadium	7440-62-2	ug/l	260	720	< 0.097	U	0.097	< 0.64	B	0.64	< 0.097	U	0.097	< 0.9	B	0.9	< 0.097	U	0.097
Zinc	7440-66-6	ug/l	2,000	2,000	< 10.5	B	10.5	< 18.9	B	18.9	< 10.6	B	10.6	< 14.7	B	14.7	7.3		0.6
Mercury	7439-97-6	ug/l	2	2	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055	< 0.064	B	0.064
Cyanide	57-12-5	ug/l	200	200	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7
Total Dissolved Solids	TDS	mg/l	N.S.	N.S.	NA	NA	NA	413		10	NA	NA	NA	1,050		10	NA	NA	NA
Pesticides																			
4,4-DDD	72-54-8	ug/l	0.62	2.7	NA	NA	NA	< 0.0075	U	0.0075	NA	NA	NA	< 0.0073	U	0.0073	NA	NA	NA
4,4-DDE	72-55-9	ug/l	1.9	7.6	NA	NA	NA	< 0.0066	U	0.0066	NA	NA	NA	< 0.0064	U	0.0064	NA	NA	NA
4,4-DDT	50-29-3	ug/l	1.9	5.5	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA
Aldrin	309-00-2	ug/l	0.0087	0.037	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA	< 0.010	U	0.01	NA	NA	NA
alpha-BHC	319-84-6	ug/l	0.1	0.41	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA
alpha-Chlordane	5103-71-9	ug/l	2	2	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA
alpha-Endosulfan	959-98-8	ug/l	220	500	NA	NA	NA	< 0.0072	U	0.0072	NA	NA	NA	< 0.007	U	0.007	NA	NA	NA
beta-BHC	319-85-7	ug/l	0.37	1.4	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA
beta-Endosulfan	33213-65-9	ug/l	220	450	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA
delta-BHC	319-86-8	ug/l	22	61	NA	NA	NA	< 0.0092	U	0.0092	NA	NA	NA	< 0.0089	U	0.0089	NA	NA	NA
Dieldrin	60-57-1	ug/l	0.041	0.16	NA	NA	NA	< 0.0078	U	0.0078	NA	NA	NA	< 0.0075	U	0.0075	NA	NA	NA
Endosulfan Sulfate	1031-07-8	ug/l	120	120	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA
Endrin	72-20-8	ug/l	2	2	NA	NA	NA	< 0.0074	U	0.0074	NA	NA	NA	< 0.0072	U	0.0072	NA	NA	NA
Endrin Aldehyde	7421-93-4	ug/l	N.S.	N.S.	NA	NA	NA	< 0.012	U	0.012	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA
Endrin Ketone	53494-70-5	ug/l	N.S.	N.S.	NA	NA	NA	< 0.0097	U	0.0097	NA	NA	NA	< 0.0094	U	0.0094	NA	NA	NA

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs		MW-N7			MW-N7			MW-N8			MW-N8			MW-N8		
		Sample Date:	Used Aquifers		09/10/2008			09/10/2008			07/08/2008			07/08/2008			09/10/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			D			T			D			T			D		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
gamma-BHC	58-89-9	ug/l	0.2	0.2	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA
gamma-Chlordane	5566-34-7	ug/l	2	2	NA	NA	NA	< 0.0073	U	0.0073	NA	NA	NA	< 0.0071	U	0.0071	NA	NA	NA
Heptachlor	76-44-8	ug/l	0.4	0.4	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA
Heptachlor Epoxide	1024-57-3	ug/l	0.2	0.2	NA	NA	NA	< 0.0096	U	0.0096	NA	NA	NA	< 0.0093	U	0.0093	NA	NA	NA
Methoxychlor	72-43-5	ug/l	40	40	NA	NA	NA	< 0.018	U	0.018	NA	NA	NA	< 0.017	U	0.017	NA	NA	NA
Toxaphene	8001-35-2	ug/l	3	3	NA	NA	NA	< 0.40	U	0.4	NA	NA	NA	< 0.39	U	0.39	NA	NA	NA
PCBs																			
Aroclor 1016	12674-11-2	ug/l	2.6	7.2	NA	NA	NA	< 0.10	U	0.1	NA	NA	NA	< 0.095	U	0.095	NA	NA	NA
Aroclor 1221	11104-28-2	ug/l	1.3	5.2	NA	NA	NA	< 0.10	U	0.1	NA	NA	NA	< 0.094	U	0.094	NA	NA	NA
Aroclor 1232	11141-16-5	ug/l	1.3	5.2	NA	NA	NA	< 0.12	U	0.12	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA
Aroclor 1242	53469-21-9	ug/l	1.3	5.2	NA	NA	NA	< 0.074	U	0.074	NA	NA	NA	< 0.07	U	0.07	NA	NA	NA
Aroclor 1248	12672-29-6	ug/l	0.37	1.4	NA	NA	NA	< 0.091	U	0.091	NA	NA	NA	< 0.085	U	0.085	NA	NA	NA
Aroclor 1254	11097-69-1	ug/l	0.37	1.4	NA	NA	NA	< 0.092	U	0.092	NA	NA	NA	< 0.086	U	0.086	NA	NA	NA
Aroclor 1260	11096-82-5	ug/l	1.1	4.3	NA	NA	NA	< 0.054	U	0.054	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA
Volatile Organic Compounds																			
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.2	0.2	NA	NA	NA	< 0.0029	U	0.0029	NA	NA	NA	< 0.0029	U	0.0029	NA	NA	NA
1,2-Dibromoethane	106-93-4	ug/l	0.05	0.05	NA	NA	NA	< 0.0021	U	0.0021	NA	NA	NA	< 0.0021	U	0.0021	NA	NA	NA
1,1,1-Trichloroethane	71-55-6	ug/l	200	200	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.3	0.3	NA	NA	NA	< 0.15	U	0.15	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA
1,1,2-Trichloroethane	79-00-5	ug/l	5	5	NA	NA	NA	< 0.20	U	0.2	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA
1,1-Dichloroethane	75-34-3	ug/l	27	110	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA
1,1-Dichloroethene	75-35-4	ug/l	7	7	NA	NA	NA	< 0.28	U	0.28	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	70	NA	NA	NA	< 0.15	U	0.15	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	ug/l	600	600	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.086	U	0.086	NA	NA	NA
1,2-Dichloroethane	107-06-2	ug/l	5	5	NA	NA	NA	< 0.21	U	0.21	NA	NA	NA	< 0.076	U	0.076	NA	NA	NA
1,2-Dichloropropane	78-87-5	ug/l	5	5	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	ug/l	600	600	NA	NA	NA	< 0.16	U	0.16	NA	NA	NA	< 0.1	U	0.1	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	ug/l	75	75	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.1	U	0.1	NA	NA	NA
2-Butanone	78-93-3	ug/l	4,000	4,000	NA	NA	NA	< 0.50	U	0.5	NA	NA	NA	< 0.65	U	0.65	NA	NA	NA
2-Hexanone	591-78-6	ug/l	N.S.	N.S.	NA	NA	NA	< 0.53	U	0.53	NA	NA	NA	< 0.55	U	0.55	NA	NA	NA
4-Methyl-2-pentanone	108-10-1	ug/l	190	410	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA	< 0.61	U	0.61	NA	NA	NA
Acetone	67-64-1	ug/l	3,700	10,000	NA	NA	NA	< 16	B	16	NA	NA	NA	< 2.5	U	2.5	NA	NA	NA
Benzene	71-43-2	ug/l	5	5	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA
Bromodichloromethane	75-27-4	ug/l	100	100	NA	NA	NA	< 0.20	U	0.2	NA	NA	NA	< 0.099	U	0.099	NA	NA	NA
Bromoform	75-25-2	ug/l	80	80	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA
Bromomethane	74-83-9	ug/l	10	10	NA	NA	NA	< 0.30	U	0.3	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA
Carbon Disulfide	75-15-0	ug/l	1,900	4,100	NA	NA	NA	< 0.20	U	0.2	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA
Carbon Tetrachloride	56-23-5	ug/l	5	5	NA	NA	NA	< 0.30	U	0.3	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA
Chlorobenzene	108-90-7	ug/l	100	100	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA	< 0.33	U	0.33	NA	NA	NA
Chloroethane	75-00-3	ug/l	230	900	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA
Chloroform	67-66-3	ug/l	80	80	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA	< 0.068	U	0.068	NA	NA	NA
Chloromethane	74-87-3	ug/l	30	30	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.14	U	0.14	NA	NA	NA

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

	Sample Location:		PADEP MSCs		MW-N7			MW-N7			MW-N8			MW-N8			MW-N8		
	Sample Date:		Used Aquifers		09/10/2008			09/10/2008			07/08/2008			07/08/2008			09/10/2008		
	Matrix Code:				WG			WG			WG			WG			WG		
	Sample Typ Code:		TDS<=2500		N			N			N			N			N		
	Fraction:				D			T			D			T			D		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
cis-1,2-Dichloroethene	156-59-2	ug/l	70	70	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.09	U	0.09	NA	NA	NA
cis-1,3-Dichloropropene	10061-01-5	ug/l	N.S.	N.S.	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA	< 0.13	U	0.13	NA	NA	NA
Cyclohexane	110-82-7	ug/l	N.S.	N.S.	NA	NA	NA	< 0.30	U	0.3	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA
Dibromochloromethane	124-48-1	ug/l	80	80	NA	NA	NA	< 0.16	U	0.16	NA	NA	NA	< 0.2	U	0.2	NA	NA	NA
Dichlorodifluoromethane	75-71-8	ug/l	1,000	1,000	NA	NA	NA	< 0.26	U	0.26	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA
Ethylbenzene	100-41-4	ug/l	700	700	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.066	U	0.066	NA	NA	NA
Freon 113	76-13-1	ug/l	83,000	170,000	NA	NA	NA	< 0.30	U	0.3	NA	NA	NA	< 0.14	U	0.14	NA	NA	NA
Isopropylbenzene	98-82-8	ug/l	1,100	2,300	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA
Methyl Acetate	79-20-9	ug/l	37,000	100,000	NA	NA	NA	< 0.10	U	0.1	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA
Methyl Cyclohexane	108-87-2	ug/l	N.S.	N.S.	NA	NA	NA	< 0.32	U	0.32	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA
Methyl tert-Butyl Ether	1634-04-4	ug/l	20	20	NA	NA	NA	< 0.20	U	0.2	NA	NA	NA	< 0.13	U	0.13	NA	NA	NA
Methylene Chloride	75-09-2	ug/l	5	5	NA	NA	NA	< 0.32	U	0.32	NA	NA	NA	< 0.19	U	0.19	NA	NA	NA
Styrene	100-42-5	ug/l	100	100	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	< 0.25	U	0.25	NA	NA	NA
Tetrachloroethene	127-18-4	ug/l	5	5	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA	***12***		0.088	NA	NA	NA
Toluene	108-88-3	ug/l	1,000	1,000	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA	< 0.21	U	0.21	NA	NA	NA
trans-1,2-Dichloroethene	156-60-5	ug/l	100	100	NA	NA	NA	< 0.27	U	0.27	NA	NA	NA	< 0.097	U	0.097	NA	NA	NA
trans-1,3-Dichloropropene	10061-02-6	ug/l	N.S.	N.S.	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.16	U	0.16	NA	NA	NA
Trichloroethene	79-01-6	ug/l	5	5	NA	NA	NA	< 0.29	U	0.29	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA
Trichlorofluoromethane	75-69-4	ug/l	2,000	2,000	NA	NA	NA	< 0.080	U	0.08	NA	NA	NA	< 0.17	U	0.17	NA	NA	NA
Vinyl Chloride	75-01-4	ug/l	2	2	NA	NA	NA	< 0.29	U	0.29	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA
Xylenes, Total	1330-20-7	ug/l	10,000	10,000	NA	NA	NA	< 0.62	U	0.62	NA	NA	NA	< 0.2	U	0.2	NA	NA	NA
1,2,4-Trimethylbenzene	95-63-6	ug/l	16	35	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	108-67-8	ug/l	16	35	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	104-51-8	ug/l	1,500	4,100	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	103-65-1	ug/l	1,500	4,100	NA	NA	NA	< 0.22	U	0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA
Semivolatile Organic Compounds																			
2,4,5-Trichlorophenol	95-95-4	ug/l	3,700	10,000	NA	NA	NA	< 0.061	U	0.061	NA	NA	NA	< 0.059	U	0.059	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	ug/l	11	31	NA	NA	NA	< 0.055	U	0.055	NA	NA	NA	< 0.053	U	0.053	NA	NA	NA
2,4-Dichlorophenol	120-83-2	ug/l	20	20	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA
2,4-Dimethylphenol	105-67-9	ug/l	730	2,000	NA	NA	NA	< 0.050	U	0.05	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA
2,4-Dinitrophenol	51-28-5	ug/l	19	41	NA	NA	NA	< 1.2	U	1.2	NA	NA	NA	< 1.2	U	1.2	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	ug/l	2.1	8.4	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	ug/l	37	100	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA
2-Chloronaphthalene	91-58-7	ug/l	2,900	8,200	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA
2-Chlorophenol	95-57-8	ug/l	40	40	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA
2-Methylnaphthalene	91-57-6	ug/l	730	2,000	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA
2-Methylphenol	95-48-7	ug/l	1,800	5,100	NA	NA	NA	< 0.050	U	0.05	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA
2-Nitroaniline	88-74-4	ug/l	2.1	5.8	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA
2-Nitrophenol	88-75-5	ug/l	290	820	NA	NA	NA	< 0.052	U	0.052	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	ug/l	1.5	5.8	NA	NA	NA	< 0.040	U	0.04	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA
3-Nitroaniline	99-09-2	ug/l	2.1	5.8	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA	< 0.038	U	0.038	NA	NA	NA
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	N.S.	N.S.	NA	NA	NA	< 1.4	U	1.4	NA	NA	NA	< 1.3	U	1.3	NA	NA	NA

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs Used Aquifers		MW-N7			MW-N7			MW-N8			MW-N8			MW-N8		
		Sample Date:			09/10/2008			09/10/2008			07/08/2008			07/08/2008			09/10/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			D			T			D			T			D		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
4-Bromophenyl Phenyl Ether	101-55-3	ug/l	N.S.	N.S.	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA
4-Chloro-3-methylphenol	59-50-7	ug/l	180	510	NA	NA	NA	< 0.057	U	0.057	NA	NA	NA	< 0.055	U	0.055	NA	NA	NA
4-Chloroaniline	106-47-8	ug/l	150	410	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA
4-Chlorophenyl-phenylether	7005-72-3	ug/l	N.S.	N.S.	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.04	U	0.04	NA	NA	NA
4-Methylphenol	106-44-5	ug/l	180	510	NA	NA	NA	< 0.071	U	0.071	NA	NA	NA	< 0.069	U	0.069	NA	NA	NA
4-Nitroaniline	100-01-6	ug/l	2.1	5.8	NA	NA	NA	< 0.025	U	0.025	NA	NA	NA	< 0.024	U	0.024	NA	NA	NA
4-Nitrophenol	100-02-7	ug/l	60	60	NA	NA	NA	< 0.068	U	0.068	NA	NA	NA	< 0.066	U	0.066	NA	NA	NA
Acenaphthene	83-32-9	ug/l	2,200	3,800	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA
Acenaphthylene	208-96-8	ug/l	2,200	6,100	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA
Acetophenone	98-86-2	ug/l	3,700	10,000	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA
Anthracene	120-12-7	ug/l	66	66	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA
Atrazine	1912-24-9	ug/l	3	3	NA	NA	NA	< 0.038	U	0.038	NA	NA	NA	< 0.037	U	0.037	NA	NA	NA
Benzaldehyde	100-52-7	ug/l	N.S.	N.S.	NA	NA	NA	< 0.052	U	0.052	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA
Benzo[a]anthracene	56-55-3	ug/l	0.9	3.6	NA	NA	NA	< 0.040	U	0.04	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA
Benzo[a]pyrene	50-32-8	ug/l	0.2	0.2	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA
Benzo[b]fluoranthene	205-99-2	ug/l	0.9	1.2	NA	NA	NA	< 0.030	U	0.03	NA	NA	NA	< 0.029	U	0.029	NA	NA	NA
Benzo[g,h,i]perylene	191-24-2	ug/l	0.26	0.26	NA	NA	NA	< 0.027	U	0.027	NA	NA	NA	< 0.026	U	0.026	NA	NA	NA
Benzo[k]fluoranthene	207-08-9	ug/l	0.55	0.55	NA	NA	NA	< 0.038	U	0.038	NA	NA	NA	< 0.037	U	0.037	NA	NA	NA
Biphenyl	92-52-4	ug/l	1,800	5,100	NA	NA	NA	< 0.058	U	0.058	NA	NA	NA	< 0.057	U	0.057	NA	NA	NA
Bis(2-chloroethoxy)methane	111-91-1	ug/l	N.S.	N.S.	NA	NA	NA	< 0.12	U	0.12	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA
Bis(2-chloroethyl) Ether	111-44-4	ug/l	0.13	0.55	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA
Bis(2-chloroisopropyl) Ether	108-60-1	ug/l	300	300	NA	NA	NA	< 0.025	U	0.025	NA	NA	NA	< 0.024	U	0.024	NA	NA	NA
Bis(2-ethylhexyl) Phthalate	117-81-7	ug/l	6	6	NA	NA	NA	< 0.24	B	0.24	NA	NA	NA	< 0.67	B	0.67	NA	NA	NA
Butylbenzyl Phthalate	85-68-7	ug/l	2,700	2,700	NA	NA	NA	0.13	J	0.13	NA	NA	NA	< 0.25	B	0.25	NA	NA	NA
Caprolactum	105-60-2	ug/l	N.S.	N.S.	NA	NA	NA	< 1	B	1	NA	NA	NA	< 0.6	B	0.6	NA	NA	NA
Carbazole	86-74-8	ug/l	33	130	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA
Chrysene	218-01-9	ug/l	1.9	1.9	NA	NA	NA	< 0.034	U	0.034	NA	NA	NA	< 0.033	U	0.033	NA	NA	NA
Dibenzo[a,h]anthracene	53-70-3	ug/l	0.09	0.36	NA	NA	NA	< 0.034	U	0.034	NA	NA	NA	< 0.033	U	0.033	NA	NA	NA
Dibenzofuran	132-64-9	ug/l	N.S.	N.S.	NA	NA	NA	0.084	J	0.052	NA	NA	NA	0.053	J	0.05	NA	NA	NA
Diethyl Phthalate	84-66-2	ug/l	5,000	5,000	NA	NA	NA	< 0.24	U	0.24	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA
Dimethyl Phthalate	131-11-3	ug/l	N.S.	N.S.	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.04	U	0.04	NA	NA	NA
Di-n-Butyl Phthalate	84-74-2	ug/l	3,700	10,000	NA	NA	NA	0.076	J	0.045	NA	NA	NA	< 0.12	B	0.12	NA	NA	NA
Di-n-octyl Phthalate	117-84-0	ug/l	730	2,000	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	0.064	J	0.04	NA	NA	NA
Fluoranthene	206-44-0	ug/l	260	260	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA
Fluorene	86-73-7	ug/l	1,500	1,900	NA	NA	NA	< 0.053	U	0.053	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA
Hexachlorobenzene	118-74-1	ug/l	1	1	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA
Hexachlorobutadiene	87-68-3	ug/l	1	1	NA	NA	NA	< 0.036	U	0.036	NA	NA	NA	< 0.035	U	0.035	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	ug/l	50	50	NA	NA	NA	< 0.078	U	0.078	NA	NA	NA	< 0.075	U	0.075	NA	NA	NA
Hexachloroethane	67-72-1	ug/l	1	1	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA
Indeno[1,2,3-cd]pyrene	193-39-5	ug/l	0.9	3.6	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA
Isophorone	78-59-1	ug/l	100	100	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA
Naphthalene	91-20-3	ug/l	100	100	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.04	U	0.04	NA	NA	NA

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs		MW-N7			MW-N7			MW-N8			MW-N8			MW-N8		
		Sample Date:	Used Aquifers		09/10/2008			09/10/2008			07/08/2008			07/08/2008			09/10/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			D			T			D			T			D		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Nitrobenzene	98-95-3	ug/l	18	51	NA	NA	NA	< 0.062	U	0.062	NA	NA	NA	< 0.06	U	0.06	NA	NA	NA
N-Nitroso-di-n-propylamine	621-64-7	ug/l	0.094	0.37	NA	NA	NA	< 0.058	U	0.058	NA	NA	NA	< 0.056	U	0.056	NA	NA	NA
N-Nitrosodiphenylamine	86-30-6	ug/l	130	530	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA
Pentachlorophenol	87-86-5	ug/l	1	1	NA	NA	NA	< 0.081	U	0.081	NA	NA	NA	< 0.078	U	0.078	NA	NA	NA
Phenanthrene	85-01-8	ug/l	1,100	1,100	NA	NA	NA	0.15	J	0.053	NA	NA	NA	< 0.052	U	0.052	NA	NA	NA
Phenol	108-95-2	ug/l	4,000	4,000	NA	NA	NA	< 0.021	U	0.021	NA	NA	NA	< 0.021	U	0.021	NA	NA	NA
Pyrene	129-00-0	ug/l	130	130	NA	NA	NA	< 0.055	U	0.055	NA	NA	NA	< 0.053	U	0.053	NA	NA	NA

Notes:
1) N.S. = No Standard
2) N = Primary Sample
3) FD = Field Duplicate
4) NA = Results not available.
5) T = Total Results
6) D = Dissolved Results
7) RDL = Reporting Detection Limit
8) WG = Groundwater
9) Results above the Residential PADEP MSCs (Used Aquifers, 2500 ug/L) are shown in *italics.*
10) Results above the Non-Residential PADEP MSCs (Used Aquifers, 2500 ug/L) are shown in **bold.**
11) Alpha and beta-chlordane concentrations screened against the Non-Residential Direct Contact and Soil-to-Groundwater concentrations for chlordane (CASRN #57-74-9).

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs Used Aquifers		MW-N8			MW-N9			MW-N9			MW-N9			MW-N9		
		Sample Date:			09/10/2008			07/09/2008			07/09/2008			09/10/2008			09/10/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			T			D			T			D			T		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Inorganics																			
Aluminum	7429-90-5	ug/l	N.S.	N.S.	239		1.2	< 5	B	5	408	K	1.2	< 4.2	B	4.2	3,000		1.2
Antimony	7440-36-0	ug/l	6	6	0.094	J	0.047	< 0.4	B	0.4	0.38	J	0.047	0.049	J	0.047	0.3	J	0.047
Arsenic	7440-38-2	ug/l	10	10	< 1.1	B	1.1	4.8		0.14	5		0.14	***22***		0.14	***19.1***		0.14
Barium	7440-39-3	ug/l	2,000	2,000	32.1		0.076	120		0.076	119		0.076	92.7		0.076	112		0.076
Beryllium	7440-41-7	ug/l	4	4	< 0.068	U	0.068	< 0.068	U	0.068	< 0.068	U	0.068	< 0.068	U	0.068	0.1	J	0.068
Cadmium	7440-43-9	ug/l	5	5	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11
Calcium	7440-70-2	ug/l	N.S.	N.S.	180,000		6.3	82,400		6.3	79,200		6.3	83,500		6.3	81,200		6.3
Chromium	7440-47-3	ug/l	100	100	< 6.9	B	6.9	< 2.4	B	2.4	16.3		0.11	< 5	B	5	35.5		0.11
Cobalt	7440-48-4	ug/l	730	2,000	2.4		0.017	0.54		0.017	1.5		0.017	0.32	J	0.017	1.5		0.017
Copper	7440-50-8	ug/l	1,000	1,000	< 1.7	B	1.7	< 0.6	B	0.6	< 3.4	B	3.4	< 0.26	B	0.26	6		0.14
Iron	7439-89-6	ug/l	N.S.	N.S.	471		7.4	< 45	B	45	790	K	7.4	413		7.4	3,900		7.4
Lead	7439-92-1	ug/l	5	5	0.67	J	0.02	< 0.18	B	0.18	***6.2***		0.02	< 0.020	U	0.02	***15.1***		0.02
Magnesium	7439-95-4	ug/l	N.S.	N.S.	35,900		3.4	17,600		3.4	16,600		3.4	13,800		3.4	14,300		3.4
Manganese	7439-96-5	ug/l	300	300	***520***		0.047	166		0.047	231		0.047	284		0.047	***320***		0.047
Nickel	7440-02-0	ug/l	100	100	6.3		0.073	< 2.5	B	2.5	10.6		0.073	3.5		0.073	22.9		0.073
Potassium	7440-09-7	ug/l	N.S.	N.S.	1,920	J	5.6	1,950		5.6	2,120		5.6	1,440	J	5.6	2,230	J	5.6
Selenium	7782-49-2	ug/l	50	50	1.9	J	0.21	< 0.49	B	0.49	0.26	J	0.21	< 0.6	B	0.6	< 0.54	B	0.54
Silver	7440-22-4	ug/l	100	100	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077	< 0.077	U	0.077
Sodium	7440-23-5	ug/l	N.S.	N.S.	44,500		7	19,600		7	20,900		7	12,700		7	12,200		7
Thallium	7440-28-0	ug/l	2	2	0.071	J	0.018	< 0.16	B	0.16	< 0.14	B	0.14	< 0.039	B	0.039	0.089	J	0.018
Vanadium	7440-62-2	ug/l	260	720	< 0.54	B	0.54	0.56	J	0.097	< 1.1	B	1.1	< 0.097	U	0.097	< 3.3	B	3.3
Zinc	7440-66-6	ug/l	2,000	2,000	< 8.9	B	8.9	< 5.9	B	5.9	< 20.4	B	20.4	< 3.4	B	3.4	< 18	B	18
Mercury	7439-97-6	ug/l	2	2	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055
Cyanide	57-12-5	ug/l	200	200	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7
Total Dissolved Solids	TDS	mg/l	N.S.	N.S.	992		10	NA	NA	NA	373		10	NA	NA	NA	362		10
Pesticides																			
4,4-DDD	72-54-8	ug/l	0.62	2.7	< 0.0073	U	0.0073	NA	NA	NA	< 0.0073	U	0.0073	NA	NA	NA	< 0.0076	U	0.0076
4,4-DDE	72-55-9	ug/l	1.9	7.6	< 0.0064	U	0.0064	NA	NA	NA	< 0.0064	U	0.0064	NA	NA	NA	< 0.0067	U	0.0067
4,4-DDT	50-29-3	ug/l	1.9	5.5	< 0.013	U	0.013	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA	< 0.014	U	0.014
Aldrin	309-00-2	ug/l	0.0087	0.037	< 0.011	U	0.011	NA	NA	NA	< 0.010	U	0.01	NA	NA	NA	< 0.011	U	0.011
alpha-BHC	319-84-6	ug/l	0.1	0.41	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.015	U	0.015
alpha-Chlordane	5103-71-9	ug/l	2	2	< 0.011	U	0.011	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA	< 0.011	U	0.011
alpha-Endosulfan	959-98-8	ug/l	220	500	< 0.0070	U	0.007	NA	NA	NA	< 0.007	U	0.007	NA	NA	NA	< 0.0073	U	0.0073
beta-BHC	319-85-7	ug/l	0.37	1.4	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014
beta-Endosulfan	33213-65-9	ug/l	220	450	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.015	U	0.015
delta-BHC	319-86-8	ug/l	22	61	< 0.0090	U	0.009	NA	NA	NA	< 0.0089	U	0.0089	NA	NA	NA	< 0.0094	U	0.0094
Dieldrin	60-57-1	ug/l	0.041	0.16	< 0.0076	U	0.0076	NA	NA	NA	< 0.0075	U	0.0075	NA	NA	NA	< 0.0079	U	0.0079
Endosulfan Sulfate	1031-07-8	ug/l	120	120	< 0.015	U	0.015	NA	NA	NA	< 0.015	U	0.015	NA	NA	NA	< 0.016	U	0.016
Endrin	72-20-8	ug/l	2	2	< 0.0072	U	0.0072	NA	NA	NA	< 0.0072	U	0.0072	NA	NA	NA	< 0.0076	U	0.0076
Endrin Aldehyde	7421-93-4	ug/l	N.S.	N.S.	< 0.011	U	0.011	NA	NA	NA	< 0.011	U	0.011	NA	NA	NA	< 0.012	U	0.012
Endrin Ketone	53494-70-5	ug/l	N.S.	N.S.	< 0.0095	U	0.0095	NA	NA	NA	< 0.0094	U	0.0094	NA	NA	NA	< 0.0099	U	0.0099

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs Used Aquifers		MW-N8			MW-N9			MW-N9			MW-N9			MW-N9		
		Sample Date:			09/10/2008			07/09/2008			07/09/2008			09/10/2008			09/10/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			T			D			T			D			T		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
gamma-BHC	58-89-9	ug/l	0.2	0.2	< 0.014	U	0.014	NA	NA	NA	< 0.014	U	0.014	NA	NA	NA	< 0.015	U	0.015
gamma-Chlordane	5566-34-7	ug/l	2	2	< 0.0072	U	0.0072	NA	NA	NA	< 0.0071	U	0.0071	NA	NA	NA	< 0.0075	U	0.0075
Heptachlor	76-44-8	ug/l	0.4	0.4	< 0.013	U	0.013	NA	NA	NA	< 0.013	U	0.013	NA	NA	NA	< 0.014	U	0.014
Heptachlor Epoxide	1024-57-3	ug/l	0.2	0.2	< 0.0094	U	0.0094	NA	NA	NA	< 0.0093	U	0.0093	NA	NA	NA	< 0.0098	U	0.0098
Methoxychlor	72-43-5	ug/l	40	40	< 0.017	U	0.017	NA	NA	NA	< 0.017	U	0.017	NA	NA	NA	< 0.018	U	0.018
Toxaphene	8001-35-2	ug/l	3	3	< 0.39	U	0.39	NA	NA	NA	< 0.39	U	0.39	NA	NA	NA	< 0.41	U	0.41
PCBs																			
Aroclor 1016	12674-11-2	ug/l	2.6	7.2	< 0.10	U	0.1	NA	NA	NA	< 0.095	U	0.095	NA	NA	NA	< 0.10	U	0.1
Aroclor 1221	11104-28-2	ug/l	1.3	5.2	< 0.10	U	0.1	NA	NA	NA	< 0.094	U	0.094	NA	NA	NA	< 0.10	U	0.1
Aroclor 1232	11141-16-5	ug/l	1.3	5.2	< 0.12	U	0.12	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.12	U	0.12
Aroclor 1242	53469-21-9	ug/l	1.3	5.2	< 0.074	U	0.074	NA	NA	NA	< 0.07	U	0.07	NA	NA	NA	< 0.074	U	0.074
Aroclor 1248	12672-29-6	ug/l	0.37	1.4	< 0.091	U	0.091	NA	NA	NA	< 0.085	U	0.085	NA	NA	NA	< 0.091	U	0.091
Aroclor 1254	11097-69-1	ug/l	0.37	1.4	< 0.092	U	0.092	NA	NA	NA	< 0.086	U	0.086	NA	NA	NA	< 0.092	U	0.092
Aroclor 1260	11096-82-5	ug/l	1.1	4.3	< 0.054	U	0.054	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	< 0.054	U	0.054
Volatile Organic Compounds																			
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.2	0.2	< 0.0029	U	0.0029	NA	NA	NA	< 0.0029	U	0.0029	NA	NA	NA	< 0.0029	U	0.0029
1,2-Dibromoethane	106-93-4	ug/l	0.05	0.05	< 0.0021	U	0.0021	NA	NA	NA	< 0.0021	U	0.0021	NA	NA	NA	< 0.0021	U	0.0021
1,1,1-Trichloroethane	71-55-6	ug/l	200	200	< 0.25	U	0.25	NA	NA	NA	< 2.7	U	2.7	NA	NA	NA	< 1.0	U	1
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.3	0.3	< 0.15	U	0.15	NA	NA	NA	< 5.5	U	5.5	NA	NA	NA	< 0.62	U	0.62
1,1,2-Trichloroethane	79-00-5	ug/l	5	5	< 0.20	U	0.2	NA	NA	NA	< 2.7	U	2.7	NA	NA	NA	< 0.78	U	0.78
1,1-Dichloroethane	75-34-3	ug/l	27	110	< 0.24	U	0.24	NA	NA	NA	< 4.7	U	4.7	NA	NA	NA	< 0.97	U	0.97
1,1-Dichloroethene	75-35-4	ug/l	7	7	< 0.28	U	0.28	NA	NA	NA	< 4.2	U	4.2	NA	NA	NA	< 1.1	U	1.1
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	70	< 0.15	U	0.15	NA	NA	NA	< 2.7	U	2.7	NA	NA	NA	< 0.60	U	0.6
1,2-Dichlorobenzene	95-50-1	ug/l	600	600	< 0.22	U	0.22	NA	NA	NA	< 2.1	U	2.1	NA	NA	NA	< 0.87	U	0.87
1,2-Dichloroethane	107-06-2	ug/l	5	5	< 0.21	U	0.21	NA	NA	NA	< 1.9	U	1.9	NA	NA	NA	< 0.86	U	0.86
1,2-Dichloropropane	78-87-5	ug/l	5	5	< 0.18	U	0.18	NA	NA	NA	< 6.1	U	6.1	NA	NA	NA	< 0.72	U	0.72
1,3-Dichlorobenzene	541-73-1	ug/l	600	600	< 0.16	U	0.16	NA	NA	NA	< 2.6	U	2.6	NA	NA	NA	< 0.65	U	0.65
1,4-Dichlorobenzene	106-46-7	ug/l	75	75	< 0.18	U	0.18	NA	NA	NA	< 2.5	U	2.5	NA	NA	NA	< 0.71	U	0.71
2-Butanone	78-93-3	ug/l	4,000	4,000	< 0.50	U	0.5	NA	NA	NA	< 16	U	16	NA	NA	NA	< 2.0	U	2
2-Hexanone	591-78-6	ug/l	N.S.	N.S.	< 0.53	U	0.53	NA	NA	NA	< 14	U	14	NA	NA	NA	< 2.1	U	2.1
4-Methyl-2-pentanone	108-10-1	ug/l	190	410	< 0.23	U	0.23	NA	NA	NA	< 15	U	15	NA	NA	NA	< 0.90	U	0.9
Acetone	67-64-1	ug/l	3,700	10,000	< 5.4	B	5.4	NA	NA	NA	< 62	U	62	NA	NA	NA	< 10	U	10
Benzene	71-43-2	ug/l	5	5	0.45	J	0.27	NA	NA	NA	< 4.7	U	4.7	NA	NA	NA	< 1.1	U	1.1
Bromodichloromethane	75-27-4	ug/l	100	100	< 0.20	U	0.2	NA	NA	NA	< 2.5	U	2.5	NA	NA	NA	< 0.81	U	0.81
Bromoform	75-25-2	ug/l	80	80	< 0.25	U	0.25	NA	NA	NA	< 6.7	U	6.7	NA	NA	NA	< 0.98	U	0.98
Bromomethane	74-83-9	ug/l	10	10	< 0.30	U	0.3	NA	NA	NA	< 4.6	U	4.6	NA	NA	NA	< 1.2	U	1.2
Carbon Disulfide	75-15-0	ug/l	1,900	4,100	< 0.20	U	0.2	NA	NA	NA	< 2.8	U	2.8	NA	NA	NA	< 0.78	U	0.78
Carbon Tetrachloride	56-23-5	ug/l	5	5	< 0.30	U	0.3	NA	NA	NA	< 5.4	U	5.4	NA	NA	NA	< 1.2	U	1.2
Chlorobenzene	108-90-7	ug/l	100	100	< 0.23	U	0.23	NA	NA	NA	< 8.2	U	8.2	NA	NA	NA	< 0.90	U	0.9
Chloroethane	75-00-3	ug/l	230	900	< 0.25	U	0.25	NA	NA	NA	< 2.8	U	2.8	NA	NA	NA	< 1.0	U	1
Chloroform	67-66-3	ug/l	80	80	< 0.24	U	0.24	NA	NA	NA	< 1.7	U	1.7	NA	NA	NA	< 0.97	U	0.97
Chloromethane	74-87-3	ug/l	30	30	< 0.27	U	0.27	NA	NA	NA	< 3.4	U	3.4	NA	NA	NA	< 1.1	U	1.1

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs		MW-N8			MW-N9			MW-N9			MW-N9			MW-N9		
		Sample Date:	Used Aquifers		09/10/2008			07/09/2008			07/09/2008			09/10/2008			09/10/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			T			D			T			D			T		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
cis-1,2-Dichloroethene	156-59-2	ug/l	70	70	< 0.27	U	0.27	NA	NA	NA	< 2.3	U	2.3	NA	NA	NA	< 1.1	U	1.1
cis-1,3-Dichloropropene	10061-01-5	ug/l	N.S.	N.S.	< 0.19	U	0.19	NA	NA	NA	< 3.3	U	3.3	NA	NA	NA	< 0.78	U	0.78
Cyclohexane	110-82-7	ug/l	N.S.	N.S.	< 0.30	U	0.3	NA	NA	NA	< 2.7	U	2.7	NA	NA	NA	< 1.2	U	1.2
Dibromochloromethane	124-48-1	ug/l	80	80	< 0.16	U	0.16	NA	NA	NA	< 4.9	U	4.9	NA	NA	NA	< 0.66	U	0.66
Dichlorodifluoromethane	75-71-8	ug/l	1,000	1,000	< 0.26	U	0.26	NA	NA	NA	< 5.7	U	5.7	NA	NA	NA	< 1.0	U	1
Ethylbenzene	100-41-4	ug/l	700	700	< 0.18	U	0.18	NA	NA	NA	240		1.7	NA	NA	NA	53		0.73
Freon 113	76-13-1	ug/l	83,000	170,000	< 0.30	U	0.3	NA	NA	NA	< 3.5	U	3.5	NA	NA	NA	< 1.2	U	1.2
Isopropylbenzene	98-82-8	ug/l	1,100	2,300	< 0.22	U	0.22	NA	NA	NA	< 6.8	U	6.8	NA	NA	NA	< 0.89	U	0.89
Methyl Acetate	79-20-9	ug/l	37,000	100,000	< 0.10	U	0.1	NA	NA	NA	< 4.3	U	4.3	NA	NA	NA	< 0.41	U	0.41
Methyl Cyclohexane	108-87-2	ug/l	N.S.	N.S.	< 0.32	U	0.32	NA	NA	NA	< 4.4	U	4.4	NA	NA	NA	< 1.3	U	1.3
Methyl tert-Butyl Ether	1634-04-4	ug/l	20	20	< 0.20	U	0.2	NA	NA	NA	< 3.3	U	3.3	NA	NA	NA	< 0.81	U	0.81
Methylene Chloride	75-09-2	ug/l	5	5	< 0.32	U	0.32	NA	NA	NA	< 12	B	12	NA	NA	NA	< 1.3	U	1.3
Styrene	100-42-5	ug/l	100	100	< 0.22	U	0.22	NA	NA	NA	< 6.2	U	6.2	NA	NA	NA	< 0.87	U	0.87
Tetrachloroethene	127-18-4	ug/l	5	5	***11***		0.24	NA	NA	NA	< 2.2	U	2.2	NA	NA	NA	< 0.94	U	0.94
Toluene	108-88-3	ug/l	1,000	1,000	< 0.23	U	0.23	NA	NA	NA	< 5.3	U	5.3	NA	NA	NA	< 0.93	U	0.93
trans-1,2-Dichloroethene	156-60-5	ug/l	100	100	< 0.27	U	0.27	NA	NA	NA	< 2.4	U	2.4	NA	NA	NA	< 1.1	U	1.1
trans-1,3-Dichloropropene	10061-02-6	ug/l	N.S.	N.S.	< 0.18	U	0.18	NA	NA	NA	< 4	U	4	NA	NA	NA	< 0.73	U	0.73
Trichloroethene	79-01-6	ug/l	5	5	< 0.29	U	0.29	NA	NA	NA	< 5.5	U	5.5	NA	NA	NA	< 1.2	U	1.2
Trichlorofluoromethane	75-69-4	ug/l	2,000	2,000	< 0.080	U	0.08	NA	NA	NA	< 4.2	U	4.2	NA	NA	NA	< 0.32	U	0.32
Vinyl Chloride	75-01-4	ug/l	2	2	< 0.29	U	0.29	NA	NA	NA	< 2.7	U	2.7	NA	NA	NA	< 1.2	U	1.2
Xylenes, Total	1330-20-7	ug/l	10,000	10,000	< 0.62	U	0.62	NA	NA	NA	2,000		5	NA	NA	NA	160		2.5
1,2,4-Trimethylbenzene	95-63-6	ug/l	16	35	< 0.22	U	0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.76	U	0.76
1,3,5-Trimethylbenzene	108-67-8	ug/l	16	35	< 0.22	U	0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	U	0.8
n-Butylbenzene	104-51-8	ug/l	1,500	4,100	< 0.22	U	0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.84	U	0.84
n-Propylbenzene	103-65-1	ug/l	1,500	4,100	< 0.22	U	0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.78	U	0.78
Semivolatile Organic Compounds																			
2,4,5-Trichlorophenol	95-95-4	ug/l	3,700	10,000	< 0.060	U	0.06	NA	NA	NA	< 0.059	U	0.059	NA	NA	NA	< 0.060	U	0.06
2,4,6-Trichlorophenol	88-06-2	ug/l	11	31	< 0.055	U	0.055	NA	NA	NA	< 0.053	U	0.053	NA	NA	NA	< 0.055	U	0.055
2,4-Dichlorophenol	120-83-2	ug/l	20	20	< 0.047	U	0.047	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.047	U	0.047
2,4-Dimethylphenol	105-67-9	ug/l	730	2,000	< 0.050	U	0.05	NA	NA	NA	7.7		0.049	NA	NA	NA	2.6		0.05
2,4-Dinitrophenol	51-28-5	ug/l	19	41	< 1.2	U	1.2	NA	NA	NA	< 1.2	U	1.2	NA	NA	NA	< 1.2	U	1.2
2,4-Dinitrotoluene	121-14-2	ug/l	2.1	8.4	< 0.043	U	0.043	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.043	U	0.043
2,6-Dinitrotoluene	606-20-2	ug/l	37	100	< 0.049	U	0.049	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA	< 0.049	U	0.049
2-Chloronaphthalene	91-58-7	ug/l	2,900	8,200	< 0.042	U	0.042	NA	NA	NA	< 0.042	U	0.042	NA	NA	NA	< 0.042	U	0.042
2-Chlorophenol	95-57-8	ug/l	40	40	< 0.044	U	0.044	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.044	U	0.044
2-Methylnaphthalene	91-57-6	ug/l	730	2,000	0.049	J	0.045	NA	NA	NA	< 0.044	U	0.044	NA	NA	NA	< 0.045	U	0.045
2-Methylphenol	95-48-7	ug/l	1,800	5,100	< 0.049	U	0.049	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA	< 0.049	U	0.049
2-Nitroaniline	88-74-4	ug/l	2.1	5.8	< 0.046	U	0.046	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.046	U	0.046
2-Nitrophenol	88-75-5	ug/l	290	820	< 0.052	U	0.052	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	< 0.052	U	0.052
3,3'-Dichlorobenzidine	91-94-1	ug/l	1.5	5.8	< 0.039	U	0.039	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA	< 0.039	U	0.039
3-Nitroaniline	99-09-2	ug/l	2.1	5.8	< 0.039	U	0.039	NA	NA	NA	< 0.038	U	0.038	NA	NA	NA	< 0.039	U	0.039
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	N.S.	N.S.	< 1.4	U	1.4	NA	NA	NA	< 1.3	U	1.3	NA	NA	NA	< 1.4	U	1.4

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

		Sample Location:	PADEP MSCs Used Aquifers		MW-N8			MW-N9			MW-N9			MW-N9			MW-N9		
		Sample Date:			09/10/2008			07/09/2008			07/09/2008			09/10/2008			09/10/2008		
		Matrix Code:			WG			WG			WG			WG			WG		
		Sample Typ Code:	TDS<=2500		N			N			N			N			N		
		Fraction:			T			D			T			D			T		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
4-Bromophenyl Phenyl Ether	101-55-3	ug/l	N.S.	N.S.	< 0.048	U	0.048	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA	< 0.048	U	0.048
4-Chloro-3-methylphenol	59-50-7	ug/l	180	510	< 0.057	U	0.057	NA	NA	NA	< 0.055	U	0.055	NA	NA	NA	< 0.057	U	0.057
4-Chloroaniline	106-47-8	ug/l	150	410	< 0.044	U	0.044	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.044	U	0.044
4-Chlorophenyl-phenylether	7005-72-3	ug/l	N.S.	N.S.	< 0.041	U	0.041	NA	NA	NA	< 0.04	U	0.04	NA	NA	NA	< 0.041	U	0.041
4-Methylphenol	106-44-5	ug/l	180	510	< 0.071	U	0.071	NA	NA	NA	< 0.069	U	0.069	NA	NA	NA	< 0.071	U	0.071
4-Nitroaniline	100-01-6	ug/l	2.1	5.8	< 0.024	U	0.024	NA	NA	NA	< 0.024	U	0.024	NA	NA	NA	< 0.024	U	0.024
4-Nitrophenol	100-02-7	ug/l	60	60	< 0.067	U	0.067	NA	NA	NA	< 0.066	U	0.066	NA	NA	NA	< 0.067	U	0.067
Acenaphthene	83-32-9	ug/l	2,200	3,800	0.074	J	0.05	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	0.055	J	0.05
Acenaphthylene	208-96-8	ug/l	2,200	6,100	< 0.044	U	0.044	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.044	U	0.044
Acetophenone	98-86-2	ug/l	3,700	10,000	< 0.044	U	0.044	NA	NA	NA	0.98		0.044	NA	NA	NA	< 0.044	U	0.044
Anthracene	120-12-7	ug/l	66	66	0.098	J	0.049	NA	NA	NA	< 0.048	U	0.048	NA	NA	NA	0.071	J	0.049
Atrazine	1912-24-9	ug/l	3	3	< 0.037	U	0.037	NA	NA	NA	< 0.037	U	0.037	NA	NA	NA	< 0.037	U	0.037
Benzaldehyde	100-52-7	ug/l	N.S.	N.S.	< 0.052	U	0.052	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	< 0.052	U	0.052
Benzo[a]anthracene	56-55-3	ug/l	0.9	3.6	0.077	J	0.039	NA	NA	NA	< 0.039	U	0.039	NA	NA	NA	0.075	J	0.039
Benzo[a]pyrene	50-32-8	ug/l	0.2	0.2	0.053	J	0.042	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.042	U	0.042
Benzo[b]fluoranthene	205-99-2	ug/l	0.9	1.2	0.065	J	0.03	NA	NA	NA	< 0.029	U	0.029	NA	NA	NA	< 0.030	U	0.03
Benzo[g,h,i]perylene	191-24-2	ug/l	0.26	0.26	0.076	J	0.026	NA	NA	NA	< 0.026	U	0.026	NA	NA	NA	< 0.026	U	0.026
Benzo[k]fluoranthene	207-08-9	ug/l	0.55	0.55	0.05	J	0.038	NA	NA	NA	< 0.037	U	0.037	NA	NA	NA	< 0.038	U	0.038
Biphenyl	92-52-4	ug/l	1,800	5,100	< 0.058	U	0.058	NA	NA	NA	< 0.057	U	0.057	NA	NA	NA	< 0.058	U	0.058
Bis(2-chloroethoxy)methane	111-91-1	ug/l	N.S.	N.S.	< 0.12	U	0.12	NA	NA	NA	< 0.11	U	0.11	NA	NA	NA	< 0.12	U	0.12
Bis(2-chloroethyl) Ether	111-44-4	ug/l	0.13	0.55	< 0.044	U	0.044	NA	NA	NA	< 0.043	U	0.043	NA	NA	NA	< 0.044	U	0.044
Bis(2-chloroisopropyl) Ether	108-60-1	ug/l	300	300	< 0.025	U	0.025	NA	NA	NA	< 0.024	U	0.024	NA	NA	NA	< 0.025	U	0.025
Bis(2-ethylhexyl) Phthalate	117-81-7	ug/l	6	6	< 3.1	B	3.1	NA	NA	NA	< 1	B	1	NA	NA	NA	< 1.6	B	1.6
Butylbenzyl Phthalate	85-68-7	ug/l	2,700	2,700	< 0.13	U	0.13	NA	NA	NA	0.24	J	0.13	NA	NA	NA	< 0.13	U	0.13
Caprolactum	105-60-2	ug/l	N.S.	N.S.	< 1.2	B	1.2	NA	NA	NA	< 0.18	U	0.18	NA	NA	NA	< 0.18	U	0.18
Carbazole	86-74-8	ug/l	33	130	0.12	J	0.05	NA	NA	NA	< 0.049	U	0.049	NA	NA	NA	0.083	J	0.05
Chrysene	218-01-9	ug/l	1.9	1.9	0.077	J	0.034	NA	NA	NA	< 0.033	U	0.033	NA	NA	NA	0.052	J	0.034
Dibenzo[a,h]anthracene	53-70-3	ug/l	0.09	0.36	0.062	J	0.033	NA	NA	NA	< 0.033	U	0.033	NA	NA	NA	< 0.033	U	0.033
Dibenzofuran	132-64-9	ug/l	N.S.	N.S.	0.1	J	0.051	NA	NA	NA	< 0.05	U	0.05	NA	NA	NA	0.082	J	0.051
Diethyl Phthalate	84-66-2	ug/l	5,000	5,000	< 0.23	U	0.23	NA	NA	NA	< 0.23	U	0.23	NA	NA	NA	< 0.23	U	0.23
Dimethyl Phthalate	131-11-3	ug/l	N.S.	N.S.	< 0.041	U	0.041	NA	NA	NA	< 0.04	U	0.04	NA	NA	NA	< 0.041	U	0.041
Di-n-Butyl Phthalate	84-74-2	ug/l	3,700	10,000	0.15	J	0.045	NA	NA	NA	< 0.16	B	0.16	NA	NA	NA	0.14	J	0.045
Di-n-octyl Phthalate	117-84-0	ug/l	730	2,000	< 0.041	U	0.041	NA	NA	NA	< 0.04	U	0.04	NA	NA	NA	< 0.041	U	0.041
Fluoranthene	206-44-0	ug/l	260	260	0.12	J	0.048	NA	NA	NA	< 0.047	U	0.047	NA	NA	NA	0.14	J	0.048
Fluorene	86-73-7	ug/l	1,500	1,900	0.077	J	0.052	NA	NA	NA	< 0.051	U	0.051	NA	NA	NA	0.066	J	0.052
Hexachlorobenzene	118-74-1	ug/l	1	1	< 0.042	U	0.042	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.042	U	0.042
Hexachlorobutadiene	87-68-3	ug/l	1	1	< 0.036	U	0.036	NA	NA	NA	< 0.035	U	0.035	NA	NA	NA	< 0.036	U	0.036
Hexachlorocyclopentadiene	77-47-4	ug/l	50	50	< 0.077	U	0.077	NA	NA	NA	< 0.075	U	0.075	NA	NA	NA	< 0.077	U	0.077
Hexachloroethane	67-72-1	ug/l	1	1	< 0.042	U	0.042	NA	NA	NA	< 0.041	U	0.041	NA	NA	NA	< 0.042	U	0.042
Indeno[1,2,3-cd]pyrene	193-39-5	ug/l	0.9	3.6	0.065	J	0.046	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.046	U	0.046
Isophorone	78-59-1	ug/l	100	100	< 0.045	U	0.045	NA	NA	NA	< 0.045	U	0.045	NA	NA	NA	< 0.045	U	0.045
Naphthalene	91-20-3	ug/l	100	100	< 0.041	U	0.041	NA	NA	NA	< 0.04	U	0.04	NA	NA	NA	< 0.041	U	0.041

TABLE E-1
GROUNDWATER RESULTS
NORTH PLANT REMEDIAL INVESTIGATION
TRINITY INDUSTRIES - GREENVILLE, PA

			Sample Location:		MW-N8			MW-N9			MW-N9			MW-N9			MW-N9		
			Sample Date:	PADEP MSCs Used Aquifers	09/10/2008			07/09/2008			07/09/2008			09/10/2008			09/10/2008		
			Matrix Code:		WG			WG			WG			WG			WG		
			Sample Typ Code:	TDS<=2500	N			N			N			N			N		
			Fraction:		T			D			T			D			T		
chemical_name	cas_rn	Units	Residential	Non-Residential	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Nitrobenzene	98-95-3	ug/l	18	51	< 0.061	U	0.061	NA	NA	NA	< 0.06	U	0.06	NA	NA	NA	< 0.061	U	0.061
N-Nitroso-di-n-propylamine	621-64-7	ug/l	0.094	0.37	< 0.057	U	0.057	NA	NA	NA	< 0.056	U	0.056	NA	NA	NA	< 0.057	U	0.057
N-Nitrosodiphenylamine	86-30-6	ug/l	130	530	< 0.047	U	0.047	NA	NA	NA	< 0.046	U	0.046	NA	NA	NA	< 0.047	U	0.047
Pentachlorophenol	87-86-5	ug/l	1	1	< 0.080	U	0.08	NA	NA	NA	< 0.078	U	0.078	NA	NA	NA	< 0.080	U	0.08
Phenanthrene	85-01-8	ug/l	1,100	1,100	0.22		0.053	NA	NA	NA	< 0.16	B	0.16	NA	NA	NA	0.2		0.053
Phenol	108-95-2	ug/l	4,000	4,000	< 0.021	U	0.021	NA	NA	NA	< 0.021	U	0.021	NA	NA	NA	< 0.021	U	0.021
Pyrene	129-00-0	ug/l	130	130	0.088	J	0.054	NA	NA	NA	< 0.053	U	0.053	NA	NA	NA	0.081	J	0.054

Notes:
1) N.S. = No Standard
2) N = Primary Sample
3) FD = Field Duplicate
4) NA = Results not available.
5) T = Total Results
6) D = Dissolved Results
7) RDL = Reporting Detection Limit
8) WG = Groundwater
9) Results above the Residential PADEP MSCs (Used Aquifers, 2500 ug/L) are shown in *italics.*
10) Results above the Non-Residential PADEP MSCs (Used Aquifers, 2500 ug/L) are shown in **bold.**
11) Alpha and beta-chlordane concentrations screened against the Non-Residential Direct Contact and Soil-to-Groundwater concentrations for chlordane (CASRN #57-74-9).