TABLE 4
GROUNDWATER LABORATORY RESULTS
1700- 1712 McCARTER HIGHWAY
BLOCK 614, LOTS 63 & 64
NEWARK, NEW JERSEY
PMK GROUP PROJECT # 092976

Sample No.	CASRN #	TW-1	TW-2	GWFB	Trip Blank	NJDEP GQC (µg/l)
Laboratory ID.#		JA28677-1	JA28677-2	JA28677-3	JA28677-4	
Date Collected		9/22/2009	9/22/2009	9/22/2009	9/22/2009	
Total Petroleum Hydrocarbon (TPH), µg/l						
TPH	--	48,500	2,570	ND	NA	--
Volatile Organic Compounds (VOC), µg/l						
1,1,1-Trichloroethane	71-55-6	ND	ND	ND	ND	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	ND	ND	1
1,1,2-Trichloroethane	79-00-5	ND	ND	ND	ND	3
1,1-Dichloroethane	75-34-3	ND	ND	ND	ND	50
1,1-Dichloroethene	75-35-4	ND	ND	ND	ND	1
1,2-Dichlorobenzene	95-50-1	ND	ND	ND	ND	600
1,2-Dichloroethane	107-06-2	ND	ND	ND	ND	2
1,2-Dichloropropane	78-87-5	ND	ND	ND	ND	1
1,3-Dichlorobenzene	541-73-1	ND	ND	ND	ND	600
1,4-Dichlorobenzene	106-46-7	ND	ND	ND	ND	75
2-Chloroethyl vinyl ether	110-75-8	ND	ND	ND	ND	100^
Acrolein	107-02-8	ND	ND	ND	ND	5
Acrylonitrile	107-13-1	ND	ND	ND	ND	2
Benzene	71-43-2	4.3	1.2 J	ND	ND	1
Bromodichloromethane	75-27-4	ND	ND	ND	ND	1
Bromoform	75-25-2	ND	ND	ND	ND	4
Bromomethane	74-83-9	ND	ND	ND	ND	10
Carbon tetrachloride	56-23-5	ND	ND	ND	ND	1
Chlorobenzene	108-90-7	ND	1.1 J	ND	ND	50
Chloroethane	75-00-3	1.8	ND	ND	ND	100^
Chloroform	67-66-3	ND	0.74 J	ND	ND	70
Chloromethane	74-87-3	2.9	ND	ND	ND	100^

Legend:
µg/l: micrograms per liter, ppb
GQC: NJDEP Groundwater Quality Criteria for Class II-A Aquifers
NA: Not Available
ND: Not Detected above Laboratory Reported Detection Limits
TVOC: Total Volatile Organic Compounds
TIVOC: Tentatively Identified Volatile Organic Compounds
10 Concentration in excess of NJDEP GQC
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J: The analyte was positively identified; the associated numerical value is the approximate concentrat

cis-1,2-Dichloroethene	156-59-2	ND	ND	ND	ND	70
cis-1,3-Dichloropropene	10061-01-5	ND	ND	ND	ND	100^
Dibromochloromethane	124-48-1	ND	ND	ND	ND	1
Dichlorodifluoromethane	75-71-8	ND	ND	ND	ND	1000
Ethylbenzene	100-41-4	3.6	ND	ND	ND	700
Methylene chloride	75-09-2	ND	ND	ND	ND	3
Tetrachloroethene	127-18-4	ND	ND	ND	ND	1
Toluene	108-88-3	3.3	ND	ND	ND	1000
trans-1,2-Dichloroethene	156-60-5	ND	ND	ND	ND	100
trans-1,3-Dichloropropene	10061-02-6	ND	ND	ND	ND	100^
Trichloroethene	79-01-6	ND	ND	ND	ND	1
Trichlorofluoromethane	75-69-4	ND	ND	ND	ND	2000
Vinyl chloride	75-01-4	ND	ND	ND	ND	1
Xylene (total)	1330-20-7	16.1	ND	ND	ND	1000
TVOC	--	32	3	ND	ND	500*
TIVOC	--	2,612	32 J	ND	ND	500*

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BLOCK 614, LOTS 63 & 64
NEWARK, NEW JERSEY
PMK GROUP PROJECT # 09276

Sample No.	CASRN #	TW-1	TW-2	GWFB	Trip Blank	NJDEP GQC (µg/l)
Laboratory ID.#		JA28677-1	JA28677-2	JA28677-3	JA28677-4	
Date Collected		9/22/2009	9/22/2009	9/22/2009	9/22/2009	
Semi-Volatile Organic Compounds (SVOC), µg/l						
1,2,4-Trichlorobenzene	120-82-1	ND	ND	ND	NA	9
1,2-Dichlorobenzene	95-50-1	ND	ND	ND	NA	600
1,2-Diphenylhydrazine	122-66-7	ND	ND	ND	NA	20
1,3-Dichlorobenzene	541-73-1	ND	ND	ND	NA	600
1,4-Dichlorobenzene	106-46-7	ND	ND	ND	NA	75
2,4,6-Trichlorophenol	88-06-2	ND	ND	ND	NA	20
2,4-Dichlorophenol	120-83-2	ND	ND	ND	NA	20
2,4-Dimethylphenol	105-67-9	127	ND	ND	NA	100
2,4-Dinitrophenol	51-28-5	ND	ND	ND	NA	40
2,4-Dinitrotoluene	121-14-2	ND	ND	ND	NA	10
2,6-Dinitrotoluene	606-20-2	ND	ND	ND	NA	10
2-Chloronaphthalene	91-58-7	ND	ND	ND	NA	600
2-Chlorophenol	95-57-8	ND	ND	ND	NA	40
2-Nitrophenol	88-75-5	ND	ND	ND	NA	100^
3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	NA	30
4,6-Dinitro-o-cresol	534-52-1	ND	ND	ND	NA	100^
4-Bromophenyl phenyl ether	101-55-3	ND	ND	ND	NA	100^
4-Chloro-3-methyl phenol	59-50-7	ND	ND	ND	NA	100^
4-Chloroaniline	106-47-8	ND	3.6 J	ND	NA	30
4-Chlorophenyl phenyl ether	7005-72-3	ND	ND	ND	NA	100^
Acenaphthene	83-32-9	4.55	0.419	ND	NA	400

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TSVOC: Total Semi-Volatile Organic Compounds
TSSVOC: Tentatively Identified Semi-Volatile Organic Compounds
10 Concentration in excess of N.JDEP GQC
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4-Nitrophenol	100-02-7	ND	ND	ND	NA	100^
Acenaphthylene	208-96-8	ND	0.184	ND	NA	100^
Anthracene	120-12-7	4.42	0.642	ND	NA	2000
Benzidine	92-87-5	ND	ND	ND	NA	20
Benzo(a)anthracene	56-55-3	4.75	1.73	ND	NA	0.1
Benzo(a)pyrene	50-32-8	2.82	0.733	ND	NA	0.1
Benzo(b)fluoranthene	205-99-2	3.6	1.75	ND	NA	0.2
Benzo(g,h,i)perylene	191-24-2	0.832	0.322	ND	NA	100^
Benzo(k)fluoranthene	207-08-9	2	0.239	ND	NA	0.5
bis(2-Chloroethoxy)methane	111-91-1	ND	ND	ND	NA	100^
bis(2-Chloroethyl)ether	111-44-4	ND	ND	ND	NA	7
bis(2-Chloroisopropyl)ether	108-60-1	ND	ND	ND	NA	300
bis(2-Ethylhexyl)phthalate	117-81-7	3.2	ND	ND	NA	3
Butyl benzyl phthalate	85-68-7	ND	ND	ND	NA	100
Chrysene	218-01-9	2.51	0.637	ND	NA	5
Dibenzo(a,h)anthracene	53-70-3	0.217	ND	ND	NA	0.3
Diethyl phthalate	84-66-2	ND	ND	ND	NA	6000
Dimethyl phthalate	131-11-3	ND	ND	ND	NA	100^
Di-n-butyl phthalate	84-74-2	ND	ND	ND	NA	700
Di-n-octyl phthalate	117-84-0	ND	ND	ND	NA	100

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Fluoranthene	206-44-0	8.4	1.55	ND	NA	300
Fluorene	86-73-7	12.5	0.336	ND	NA	300
Hexachlorobenzene	118-74-1	ND	ND	ND	NA	0.02
Hexachlorobutadiene	87-68-3	ND	ND	ND	NA	1
Hexachlorocyclopentadiene	77-47-4	ND	ND	ND	NA	40
Hexachloroethane	67-72-1	ND	ND	ND	NA	7
Indeno(1,2,3-cd)pyrene	193-39-5	0.907	0.357	ND	NA	0.2
Isophorone	78-59-1	ND	ND	ND	NA	40
Naphthalene	91-20-3	ND	0.531	ND	NA	300
Nitrobenzene	98-95-3	ND	ND	ND	NA	6
n-Nitrosodimethylamine	62-75-9	ND	ND	ND	NA	0.8
N-Nitroso-di-n-propylamine	621-64-7	ND	ND	ND	NA	10
N-Nitrosodiphenylamine	86-30-6	ND	ND	ND	NA	10
Pentachlorophenol	87-86-5	ND	ND	ND	NA	0.3
Phenanthrene	85-01-8	24.2	2.45	ND	NA	100^
Phenol	108-95-2	ND	ND	ND	NA	2000
Pyrene	129-00-0	8.9	1.49	ND	NA	200
TSVOC	--	209.9	16.9	ND	NA	500*
TSSVOC	--	2,793	863	ND	NA	500*

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NEWARK, NEW JERSEY
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Sample No.	CASRN #	TW-1	TW-2	GWFB	Trip Blank	NJDEP GQC (µg/l)
Laboratory ID.#		JA28677-1	JA28677-2	JA28677-3	JA28677-4	
Date Collected		9/22/2009	9/22/2009	9/22/2009	9/22/2009	
PCBs & Pesticides, µg/l						
4,4'-DDD	72-54-8	ND	ND	ND	NA	0.1
4,4'-DDE	72-55-9	ND	ND	ND	NA	0.1
4,4'-DDT	50-29-3	ND	ND	ND	NA	0.1
Aldrin	309-00-2	ND	ND	ND	NA	0.04
alpha-BHC	319-84-6	ND	ND	ND	NA	0.02
Aroclor 1016	12674-11-2	ND	ND	ND	NA	0.5
Aroclor 1221	11104-28-2	ND	ND	ND	NA	0.5
Aroclor 1232	11141-16-5	ND	ND	ND	NA	0.5
Aroclor 1242	53469-21-9	ND	ND	ND	NA	0.5
Aroclor 1248	12672-29-6	ND	ND	ND	NA	0.5
Aroclor 1254	11097-69-1	ND	ND	ND	NA	0.5
Aroclor 1260	11096-82-5	ND	ND	ND	NA	0.5
beta-BHC	319-85-7	ND	ND	ND	NA	0.04
Chlordane	12789-03-6	ND	ND	ND	NA	0.5
delta-BHC	319-86-8	ND	ND	ND	NA	100^
Dieldrin	60-57-1	ND	ND	ND	NA	0.03

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Endosulfan sulfate	1031-07-8	ND	ND	ND	NA	40
Endosulfan-I	959-98-8	ND	ND	ND	NA	40
Endosulfan-II	33213-65-9	ND	ND	ND	NA	40
Endrin	72-20-8	ND	ND	ND	NA	2
Endrin aldehyde	7421-93-4	ND	ND	ND	NA	100^
gamma-BHC (Lindane)	58-89-9	ND	ND	ND	NA	0.03
Heptachlor	76-44-8	ND	ND	ND	NA	0.05
Heptachlor epoxide	1024-57-3	ND	ND	ND	NA	0.2
Methoxychlor	72-43-5	ND	ND	ND	NA	40
Toxaphene	8001-35-2	ND	ND	ND	NA	2

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NEWARK, NEW JERSEY
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Sample No.	CASRN #	TW-1	TW-2	GWFB	Trip Blank	NJDEP GQC (µg/l)
Laboratory ID.#		JA28677-1	JA28677-2	JA28677-3	JA28677-4	
Date Collected		9/22/2009	9/22/2009	9/22/2009	9/22/2009	
Metals, µg/l						
Antimony	7440-36-0	ND	8.9	ND	NA	6
Arsenic	7440-38-2	24.8	63.5	ND	NA	3
Beryllium	7440-41-7	ND	1.1	ND	NA	1
Cadmium	7440-43-9	ND	3.6	ND	NA	4
Chromium	7440-47-3	48.5	136	ND	NA	70
Copper	7440-50-8	121	428	ND	NA	1300
Lead	7439-92-1	1,580	2,980	ND	NA	5
Mercury	7439-97-6	1.9	16.3	ND	NA	2
Nickel	7440-02-0	29	114	ND	NA	100
Selenium	7782-49-2	ND	ND	ND	NA	40
Silver	7440-22-4	ND	10.7	ND	NA	40
Thallium	7440-28-0	ND	ND	ND	NA	2
Zinc	7440-66-6	678	2,140	ND	NA	2000
Phenols	108-95-2	ND	200	200	NA	--
Cyanide (free Cyanide)	57-12-5	21	21	10	NA	100

Legend:

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10 Concentration in excess of NJDEP GQC

Sample No.	CASRN #	TW-1	NJDEP GQC (µg/l)
Laboratory ID.#		JA28677-1	
Date Collected		9/22/2009	
Total Petroleum Hydrocarbon (TPH), µg/l			
TPH	--	48,500	--
Volatile Organic Compounds (VOC), µg/l			
Benzene	71-43-2	4.3	1
TIVOC	--	2,612	500*
Semi-Volatile Organic Compounds (SVOC), µg/l			
2,4-Dimethylphenol	105-67-9	127	100
Benzo(a)anthracene	56-55-3	4.75	0.1
Benzo(a)pyrene	50-32-8	2.82	0.1
Benzo(b)fluoranthene	205-99-2	3.6	0.2
Benzo(k)fluoranthene	207-08-9	2	0.5
bis(2-Ethylhexyl)phthalate	117-81-7	3.2	3
Indeno(1,2,3-cd)pyrene	193-39-5	0.807	0.2
TISVOC	--	2,793	500*
Metals, µg/l			
Arsenic	7440-38-2	24.8	3
Lead	7439-92-1	1,580	5

Sample No.	CASRN #	TW-2	NJDEP GQC (µg/l)
Laboratory ID.#		JA28677-2	
Date Collected		9/22/2009	
Total Petroleum Hydrocarbon (TPH), µg/l			
TPH	--	2,570	--
Volatile Organic Compounds (VOC), µg/l			
Benzene	71-43-2	1.2 J	1
Semi-Volatile Organic Compounds (SVOC), µg/l			
Benzo(a)anthracene	56-55-3	1.73	0.1
Benzo(a)pyrene	50-32-8	0.733	0.1
Benzo(b)fluoranthene	205-99-2	1.75	0.2
Indeno(1,2,3-cd)pyrene	193-39-5	0.307	0.2
TISVOC	--	663	500*
Metals, µg/l			
Antimony	7440-36-0	8.9	6
Arsenic	7440-38-2	63.5	3
Chromium	7440-47-3	136	70
Lead	7439-92-1	2,980	5
Mercury	7439-97-6	16.3	2
Nickel	7440-02-0	114	100
Zinc	7440-66-6	2,140	2000

Qualifier	Indication
U:	The analyte was analyzed for, but was not detected above ther reported sample quantitation limit.
J:	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
R:	the sample results are rejected due to serious deficiencies in analytical performance. Represents an unusable result in which the compound may or may not be present in the sample.
N:	The analysis indicates the presence of an analyte for which there is presumptive evidence to make "tentative identification:.
UJ:	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quanti
NJ:	the analysis indicates the presence of an analyte that has been tentatively identified and the associated numerical value represents and approximate concentration.

tation necessary to accurately and precisely measure the analyte in the s