Friesen, Kent

From: Joshi, Ashish <Ashish.Joshi@dep.nj.gov>
Sent: Monday, May 21, 2018 3:49 PM
To: Friesen, Kent
Cc: Grill, Cris; Chambert, Julien; Accorsi, Frank; Feshbach-Meriney, Paul; Moore, James T CIV USARMY CENAN (US)
Subject: RE: Additional proposed sampling at FTMM-08 Boring 10 area

Kent,

The proposal for additional sampling at FTMM-08 Boring 10 is acceptable to the Department. All primary and contingency step-out samples are also acceptable. As indicated in your email, additional sampling jars are slated to be collected as contingency for further analysis. Please ensure that all holding times are met for such samples as results may not be considered valid if holding times are exceeded.

Please give me a call if you need to discuss the above in more detail. Thank you.

AJ Joshi

From: Friesen, Kent [mailto:Kent.Friesen@parsons.com]
Sent: Wednesday, May 9, 2018 1:51 PM
To: Joshi, Ashish <Ashish.Joshi@dep.nj.gov>
Cc: Grill, Cris <Cris.Grill@parsons.com>; Chambert, Julien <Julien.Chambert@parsons.com>; Accorsi, Frank <Frank.Accorsi@parsons.com>; Feshbach-Meriney, Paul <Paul.Feshbach-Meriney@parsons.com>; Moore, James T CIV USARMY CENAN (US) <James.T.Moore@usace.army.mil>
Subject: RE: Additional proposed sampling at FTMM-08 Boring 10 area

A.J.: After further discussions with our technical team, we propose additional contingency analyses to meet the Tech Regs soil analytical requirements for "unknown petroleum hydrocarbons," because the existing Round 1 data may not represent the source area. However, we are confident that the field PID readings can be used to focus the contingency sample collection, because previous elevated EPH results correlated well with elevated PID readings in the soil borings.

To that end, we propose to collect additional soil sample jars for contingency analyses (VOCs, SVOCs, and metals) from the Round 2 borings as follows: contingency sample jars will be collected from the sample interval at each boring with the highest PID readings. However, if elevated PID readings are not encountered in a boring, then no additional contingency soil samples will be collected, because the field data indicates that the boring is located outside the zone of petroleum contamination. The additional sample jars will be held and/or extracted by the laboratory, pending EPH analytical results. The samples with the highest EPH analyses will also be run for contingency analysis of VOCs, SVOCs, and metals analyses. This "sample and hold" criteria will apply for both primary and contingency (step-out) borings.

Also, note that soil samples will be collected from both the 6 primary borings and the 4 contingency (step-out) borings during the same mobilization. The NJDEP's composition-specific Soil Remediation Criterion (SRC) calculator will be used to determine the site-specific SRC. Exceedance of this SRC in any sample within a primary boring will trigger the EPH analysis of all primary samples in the adjoining step-out boring.

We hope that this helps clarify how our team will handle the contingency analyses for this site; please feel free to call me at (732) 383-7201 if you'd like to discuss further - Kent

From: Friesen, Kent
Sent: Tuesday, May 08, 2018 3:09 PM
To: 'Joshi, Ashish' <Ashish.Joshi@dep.nj.gov>
Cc: william.r.colvin18.civ@mail.mil; 'Moore, James T CIV USARMY CENAN (US)' <James.T.Moore@usace.army.mil>; Grill, Cris <Cris.Grill@parsons.com>; Chambert, Julien <Julien.Chambert@parsons.com>; Accorsi, Frank <Frank.Accorsi@parsons.com>
Subject: Additional proposed sampling at FTMM-08 Boring 10 area

A.J.: As we previously discussed, the Army is proposing additional sampling at the FTMM-08 Boring 10 area. We request your concurrence on the proposed Round 2 approach. Field work is schedule to start this Monday, May 14, 2018. The attachment includes both a summary of the proposed sampling on a figure and summary table.

Also in the attached are summary analytical tables for the following:

- Soil samples collected as described in the Army's 8/2/17 Work Plan. Note that RDCSRS exceedances of PCBs and EPH were encountered.
- Groundwater (from temporary wells) samples collected as described in the Army's 8/2/17 Work Plan. Note that select VOCs, SVOCs, and multiple metals exceeded the GWQC.
- Also attached are several quarterly rounds of data for nearby permanent well 296MW07, showing that metal exceedances were also common in this well.

For Round 2 sampling, we are proposing both primary and contingency step-out soil boring samples for EPH and PCB analyses, since these were the parameters with exceedances in the previous round. For groundwater, we are proposing installing one new permanent well near the EPH exceedances in soil; developing the new well and nearby existing well 296MW07; and performing two rounds of sampling for full suite analyses (VOCs, SVOCs, metals, PCBs and EPH).

Please advise of your concurrence and/or comments on this approach. - Kent

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GRASS

RIP-RAP

SWALE

M08B10-SB/GW-01

Metals, SVOCs

EPH

M08B10-SB/GW-04

Metals, SVOCs, VOC

EPH, PCBs

M08B10-SB/GW-02

Metals, VOC

EPH

CONCRETE HEADWALL

CONCRETE HEADWALL

Gate

MW-01/SB-05

SB-06

SB-08

SB-09

SB-10

SB-11

SB-12

SB-13

SB-14

PAR-49-SS-08

SB-07

296MW07

(FORMER) BUILDING 153

BUILDING 292

LEGEND:

- Primary Boring (Proposed)
- Contingency Boring (Proposed)
- Monitoring Well (Proposed)
- Soil Sampling Location
- Shallow Monitoring Well
- Groundwatar Exceedances
- Soil Exceedances
- FTMM-08 Landfill Revised Boundary (2015)
- Municipal Boundary
- Installation Boundary
- Existing Fence
- Demolished Fence

N

1 inch = 20 feet

0 10 20 40 Feet

Source: FTMM Supplied CAD, 2013.

PARSONS 401 Diamond Drive NW, Huntsville AL	**Fort Monmouth** **New Jersey**

FTMM-08 Boring 10 Area
Sample Locations

CREATED BY: AM	REVIEWED BY: KF
DATE: MAY. 2018	FIGURE NUMBER: FIGURE 18
PROJECT NUMBER: 748810-02050	FILE: Figure 18_FTMM-08.mxd

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TABLE 1
SAMPLING SUMMARY FOR THE FTMM-08 BORING 10 AREA WORK PLAN (ROUND 2)
FORT MONMOUTH, NEW JERSEY

Site	Location	Field Meter Readings [a/]	Fractionated EPH [b/]	VOCs + TICs by Method 8260C [c/]	SVOCs + TICs by Method 8270C [d/]	TALMetals by Method 6010C [e/]	PCBs by Method 8081B [f/]
Soil							
FTMM-08 Boring 10 Area	Primary Borings (Figure 18): 6 soil borings, 3 samples each.	6 borings	18	0	0	0	18
FTMM-08 Boring 10 Area	Contingency Borings (Figure 18): 4 soil borings, 3 samples each.	4 borings	12	0	0	0	12
Groundwater							
FTMM-08 Boring 10 Area	Primary Boring (Figure 18): Install 1 new permanent monitoring well; develop new well and existing 296MW07; 2 rounds of sampling.	2 well	4	4	4	4	4
QA/QC samples (see SAP for additional details) [g/]							
Field Duplicates (5% Sampling Frequency per media)		NA	1	1	1	1	1
Matrix Spike (5% Sampling Frequency per media)		NA	1	1	1	1	1
Matrix Spike Duplicate (5% Sampling Frequency per media)		NA	1	1	1	1	1
Trip Blank (1 per cooler of VOCs per media)		NA	0	1	0	0	0
QA Split (5% per media)		NA	1	1	1	1	1
Equipment Blank (5% Sampling Frequency per media)		NA	1	1	1	1	1
	TOTAL	**NA**	**39**	**10**	**9**	**9**	**39**

Notes:

NA = not applicable.

[a/] Field meter readings include, in soil samples: photoionization detector (PID) readings along entire soil column; and in groundwater: PID headspace, pH, temperature, electrical conductivity, dissolved oxygen (DO), oxidation-reduction potential (ORP), and turbidity.

[b/] EPH = extractable petroleum hydrocarbons.

[c/] VOCs = volatile organic compounds; TICs = tentatively identified compounds.

[d/] SVOCs = semivolatile organic compounds; TICs = tentatively identified compounds.

[e/] TAL = Target Analyte List metals.

[f/] PCBs = polychlorinated biphenyls.

[g/] QA/QC = quality assurance/quality control; SAP = Sampling and Analysis Plan. The requirement for QA/QC samples may be fulfilled with samples from other parcels.

TABLE X.Y SOIL SAMPLING RESULTS - COMPARISON TO USEPA/NJ (Insert Action Level Name)SITE

Loc ID	NJ Residential Direct Contact SRS	NJ Non-Residential Direct Contact SRS	NJ Impact to GW Soil Screening Level	FTMM08-B10-SB-01				
Sample ID				FTMM-08-B10-SB-01 1.5-2	FTMM-08-B10-SB-01 2.5-3	FTMM-08-B10-SB-101 2.5-3	FTMM-08-B10-SB-01 7-7.5	FTMM-08-B10-SB-02 3-3.5
Sample Date				11/20/2017	11/20/2017	11/20/2017	11/20/2017	11/20/2017
Volatile Organic Compounds (mg/kg)								
1,1,1,2-Tetrachloroethane	NLE	NLE	NLE	NA	NA	< 0.0009 UJ	NA	NA
1,1,1-Trichloroethane	160,000	NLE	0.3	NA	NA	< 0.0009 UJ	NA	NA
1,1,2,2-Tetrachloroethane	1	3	0.007	NA	NA	< 0.0009 UJ	NA	NA
1,1,2-Trichloroethane	2	6	0.02	NA	NA	< 0.0009 UJ	NA	NA
1,1-Dichloroethane	8	24	0.2	NA	NA	< 0.0009 UJ	NA	NA
1,1-Dichloroethene	11	150	0.008	NA	NA	< 0.0009 UJ	NA	NA
1,1-Dichloropropene	NLE	NLE	NLE	NA	NA	< 0.0009 UJ	NA	NA
1,2,3-Trichlorobenzene	NLE	NLE	NLE	NA	NA	< 0.0009 UJ	NA	NA
1,2,3-Trichloropropane	NLE	NLE	NLE	NA	NA	< 0.0009 UJ	NA	NA
1,2,4-Trichlorobenzene	73	820	0.7	NA	NA	< 0.0009 UJ	NA	NA
1,2,4-Trimethylbenzene	NLE	NLE	NLE	NA	NA	**0.011 J**	NA	NA
1,2-Dibromo-3-chloropropane	0.08	0.2	0.005	NA	NA	< 0.0022 UJ	NA	NA
1,2-Dibromoethane	0.008	0.04	0.005	NA	NA	< 0.0009 UJ	NA	NA
1,2-Dichlorobenzene	5,300	59,000	17	NA	NA	**0.0024 J**	NA	NA
1,2-Dichloroethane	0.9	3	0.005	NA	NA	< 0.0009 UJ	NA	NA
1,2-Dichloropropane	2	5	0.005	NA	NA	< 0.0009 UJ	NA	NA
1,3,5-Trimethylbenzene	NLE	NLE	NLE	NA	NA	**0.0017 J**	NA	NA
1,3-Dichlorobenzene	5,300	59,000	19	NA	NA	< 0.0009 UJ	NA	NA
1,3-Dichloropropane	NLE	NLE	NLE	NA	NA	< 0.0009 UJ	NA	NA
1,4-Dichlorobenzene	5	13	2	NA	NA	**0.001 J**	NA	NA
2,2-Dichloropropane	NLE	NLE	NLE	NA	NA	< 0.0009 UJ	NA	NA
2-Chlorotoluene	NLE	NLE	NLE	NA	NA	< 0.0009 UJ	NA	NA
Acetone	70,000	NLE	19	NA	NA	**0.24 J**	NA	NA
Benzene	2	5	0.005	NA	NA	< 0.0009 UJ	NA	NA
Bromobenzene	NLE	NLE	NLE	NA	NA	< 0.0009 UJ	NA	NA
Bromochloromethane	NLE	NLE	NLE	NA	NA	< 0.0009 UJ	NA	NA
Bromodichloromethane	1	3	0.005	NA	NA	< 0.0009 UJ	NA	NA
Bromoform	81	280	0.03	NA	NA	< 0.0009 UJ	NA	NA
Carbon tetrachloride	2	4	0.005	NA	NA	< 0.0009 UJ	NA	NA
Chlorobenzene	510	7,400	0.6	NA	NA	**0.0033 J**	NA	NA
Chlorodibromomethane	3	8	0.005	NA	NA	< 0.0009 UJ	NA	NA
Chloroethane	220	1,100	NLE	NA	NA	< 0.0022 UJ	NA	NA
Chloroform	0.6	2	0.4	NA	NA	< 0.0009 UJ	NA	NA
Cis-1,2-Dichloroethene	230	560	0.3	NA	NA	< 0.0009 UJ	NA	NA
Cis-1,3-Dichloropropene	NLE	NLE	NLE	NA	NA	< 0.0009 UJ	NA	NA
Cymene	NLE	NLE	NLE	NA	NA	< 0.0009 UJ	NA	NA
Dichlorodifluoromethane	490	230,000	39	NA	NA	< 0.0009 UJ	NA	NA
Ethyl benzene	7,800	110,000	13	NA	NA	< 0.0009 UJ	NA	NA
Hexachlorobutadiene	6	25	0.9	NA	NA	< 0.0009 UJ	NA	NA
Isopropylbenzene	NLE	NLE	NLE	NA	NA	**0.0034 J**	NA	NA
Meta/Para Xylene	NLE	NLE	NLE	NA	NA	**0.0008 J**	NA	NA
Methyl bromide	25	59	0.04	NA	NA	< 0.0009 UJ	NA	NA
Methyl butyl ketone	NLE	NLE	NLE	NA	NA	< 0.0044 UJ	NA	NA
Methyl chloride	4	12	NLE	NA	NA	**0.0007 J**	NA	NA
Methyl ethyl ketone	3,100	44,000	0.9	NA	NA	**0.034 J**	NA	NA
Methyl isobutyl ketone	NLE	NLE	NLE	NA	NA	< 0.0044 UJ	NA	NA
Methyl Tertbutyl Ether	110	320	0.2	NA	NA	< 0.0009 UJ	NA	NA
Methylene chloride	46	230	0.01	NA	NA	< 0.0009 UJ	NA	NA
Naphthalene	6	17	25	NA	NA	**0.0032 J**	NA	NA
n-Butylbenzene	NLE	NLE	NLE	NA	NA	< 0.0009 UJ	NA	NA
Ortho Xylene	NLE	NLE	NLE	NA	NA	< 0.0009 UJ	NA	NA
p-Chlorotoluene	NLE	NLE	NLE	NA	NA	< 0.0009 UJ	NA	NA
Propylbenzene	NLE	NLE	NLE	NA	NA	**0.0041 J**	NA	NA
sec-Butylbenzene	NLE	NLE	NLE	NA	NA	**0.072 J**	NA	NA
Styrene	90	260	3	NA	NA	< 0.0009 UJ	NA	NA
Tert Butyl Alcohol	1,400	11,000	0.3	NA	NA	**0.017 J**	NA	NA
tert-Butylbenzene	NLE	NLE	NLE	NA	NA	< 0.0009 UJ	NA	NA
Tetrachloroethene	43	1,500	0.005	NA	NA	< 0.0009 UJ	NA	NA
Toluene	6,300	91,000	7	NA	NA	**0.0035 J**	NA	NA
Trans-1,2-Dichloroethene	300	720	0.6	NA	NA	< 0.0009 UJ	NA	NA
Trans-1,3-Dichloropropene	NLE	NLE	NLE	NA	NA	< 0.0009 UJ	NA	NA
Trichloroethene	3	10	0.01	NA	NA	< 0.0009 UJ	NA	NA
Trichlorofluoromethane	23,000	340,000	34	NA	NA	< 0.0009 UJ	NA	NA
Vinyl chloride	0.7	2	0.005	NA	NA	< 0.0009 UJ	NA	NA
TIC VOCs (µg/kg)								
Total TICs	500	500	500	NA	NA	437.1 JN	NA	NA
Semivolatile Organic Compounds (mg/kg)								
1,2,4-Trichlorobenzene	73	820	0.7	NA	NA	< 0.082	NA	NA
1,2-Dichlorobenzene	5,300	59,000	17	NA	NA	< 0.082	NA	NA
1,2-Diphenylhydrazine	0.7	2	0.7	NA	NA	< 0.082	NA	NA
1,3-Dichlorobenzene	5,300	59,000	19	NA	NA	< 0.082	NA	NA
1,4-Dichlorobenzene	5	13	2	NA	NA	< 0.082	NA	NA
2,4,5-Trichlorophenol	6,100	68,000	68	NA	NA	< 0.082	NA	NA
2,4,6-Trichlorophenol	19	74	0.2	NA	NA	< 0.082	NA	NA
2,4-Dichlorophenol	180	2,100	0.2	NA	NA	< 0.082	NA	NA
2,4-Dimethylphenol	1,200	14,000	1	NA	NA	**0.14 J**	NA	NA
2,4-Dinitrophenol	120	1,400	0.3	NA	NA	< 0.25	NA	NA
2,4-Dinitrotoluene	0.7	3	NLE	NA	NA	< 0.082	NA	NA
2,6-Dinitrotoluene	0.7	3	NLE	NA	NA	< 0.082	NA	NA
2-Chloronaphthalene	NLE	NLE	NLE	NA	NA	< 0.082	NA	NA
2-Chlorophenol	310	2,200	0.8	NA	NA	< 0.25	NA	NA
2-Methylnaphthalene	230	2,400	8	NA	NA	< 0.082	NA	NA
2-Methylphenol	310	3,400	NLE	NA	NA	< 0.082	NA	NA
2-Nitroaniline	39	23,000	NLE	NA	NA	< 0.25	NA	NA
2-Nitrophenol	NLE	NLE	NLE	NA	NA	< 0.082	NA	NA
3,3'-Dichlorobenzidine	1	4	0.2	NA	NA	< 0.25	NA	NA
3-Nitroaniline	NLE	NLE	NLE	NA	NA	< 0.25	NA	NA
4,6-Dinitro-2-methylphenol	6	68	0.3	NA	NA	< 0.25	NA	NA
4-Bromophenyl phenyl ether	NLE	NLE	NLE	NA	NA	< 0.082	NA	NA
4-Chloro-3-methylphenol	NLE	NLE	NLE	NA	NA	< 0.082	NA	NA
4-Chloroaniline	NLE	NLE	NLE	NA	NA	< 0.25	NA	NA
4-Chlorophenyl phenyl ether	NLE	NLE	NLE	NA	NA	< 0.082	NA	NA
4-Nitroaniline	NLE	NLE	NLE	NA	NA	< 0.25	NA	NA
4-Nitrophenol	NLE	NLE	NLE	NA	NA	< 0.16	NA	NA
Acenaphthene	3,400	37,000	110	NA	NA	< 0.082	NA	NA
Acenaphthylene	NLE	300,000	NLE	NA	NA	< 0.082	NA	NA
Anthracene	17,000	30,000	2,400	NA	NA	< 0.082	NA	NA
Benzo(a)anthracene	5	17	0.8	NA	NA	< 0.082	NA	NA
Benzo(a)pyrene	0.5	2	0.2	NA	NA	< 0.082	NA	NA
Benzo(b)fluoranthene	5	17	2	NA	NA	< 0.082	NA	NA
Benzo(ghi)perylene	380,000	30,000	NLE	NA	NA	< 0.082	NA	NA
Benzo(k)fluoranthene	45	170	25	NA	NA	< 0.082	NA	NA
Benzoic Acid	NLE	NLE	NLE	NA	NA	**0.24 J**	NA	NA
Benzyl alcohol	NLE	NLE	NLE	NA	NA	< 0.25	NA	NA
Bis(2-Chloroethoxy)methane	NLE	NLE	NLE	NA	NA	< 0.082	NA	NA
Bis(2-Chloroethyl)ether	0.4	2	0.2	NA	NA	< 0.082	NA	NA
Bis(2-Chloroisopropyl)ether	23	67	5	NA	NA	< 0.082	NA	NA
Bis(2-Ethylhexyl)phthalate	35	140	1,200	NA	NA	< 0.25	NA	NA
Butyl benzyl phthalate	1,200	14,000	230	NA	NA	< 0.082	NA	NA
Carbazole	24	96	NLE	NA	NA	< 0.082	NA	NA
Chrysene	450	1,700	80	NA	NA	< 0.082	NA	NA
Cresol	NLE	NLE	NLE	NA	NA	< 0.082	NA	NA
Dibenz(a,h)anthracene	0.5	2	0.8	NA	NA	< 0.082	NA	NA
Dibenzofuran	NLE	NLE	NLE	NA	NA	< 0.082	NA	NA
Diethyl phthalate	49,000	550,000	88	NA	NA	< 0.082	NA	NA
Dimethyl phthalate	NLE	NLE	NLE	NA	NA	< 0.082	NA	NA

Loc ID	NJ Residential Direct Contact SRS	NJ Non-Residential Direct Contact SRS	NJ Impact to GW Soil Screening Level	FTMM08-B10-SB-01				
Sample ID				FTMM-08-B10-SB-01 1.5-2	FTMM-08-B10-SB-01 2.5-3	FTMM-08-B10-SB-101 2.5-3	FTMM-08-B10-SB-01 7-7.5	FTMM-08-B10-SB-02 3-3.5
Sample Date				11/20/2017	11/20/2017	11/20/2017	11/20/2017	11/20/2017
Di-n-butylphthalate	6,100	68,000	760	NA	NA	< 0.082	NA	NA
Di-n-octylphthalate	2,400	27,000	3,300	NA	NA	< 0.082	NA	NA
Fluoranthene	2,300	24,000	1,300	NA	NA	**0.22**	NA	NA
Fluorene	2,300	24,000	170	NA	NA	**0.15**	NA	NA
Hexachlorobenzene	0.3	1	0.2	NA	NA	< 0.082	NA	NA
Hexachlorobutadiene	6	25	0.9	NA	NA	< 0.082	NA	NA
Hexachlorocyclopentadiene	45	110	320	NA	NA	< 0.25	NA	NA
Hexachloroethane	12	48	0.2	NA	NA	< 0.082	NA	NA
Indeno(1,2,3-cd)pyrene	5	17	7	NA	NA	< 0.082	NA	NA
Isophorone	510	2,000	0.2	NA	NA	< 0.082	NA	NA
Naphthalene	6	17	25	NA	NA	**0.017 J**	NA	NA
Nitrobenzene	5	14	0.2	NA	NA	< 0.082	NA	NA
N-Nitrosodimethylamine	0.7	0.7	0.7	NA	NA	< 0.16	NA	NA
N-Nitroso-di-n-propylamine	0.2	0.3	0.2	NA	NA	< 0.25	NA	NA
N-Nitrosodiphenylamine	99	390	0.4	NA	NA	< 0.082	NA	NA
Pentachlorophenol	0.9	3	0.3	NA	NA	< 0.25	NA	NA
Phenanthrene	NLE	300,000	NLE	NA	NA	< 0.082	NA	NA
Phenol	18,000	210,000	8	NA	NA	< 0.082	NA	NA
Pyrene	1,700	18,000	840	NA	NA	**0.16**	NA	NA
TIC SVOCs (mg/kg)								
Total TICs	500	500	500	NA	NA	**30.45 JN**	NA	NA
Extractable/Volatile Petroleum Hydrocarbons (mg/kg)								
C10-C12 Aromatics	NLE	NLE	NLE	< 1.2 UJ	< 1.2 UJ	< 1.2	< 1.3 UJ	< 1.1 UJ
C12-C16 Aliphatics	NLE	NLE	NLE	**15.3 J-**	**102 J**	**49.6 J**	< 1.3 UJ	< 1.1 UJ
C12-C16 Aromatics	NLE	NLE	NLE	**0.57 J**	**0.73 J**	**1.1 J**	< 1.3 UJ	< 1.1 UJ
C16-C21 Aliphatics	NLE	NLE	NLE	**265**	**2,220**	**1,490**	**24.1 J-**	< 1.1 UJ
C16-C21 Aromatics	NLE	NLE	NLE	**78.9 J-**	**119 J**	**377 J**	**7.5 J-**	**0.34 J**
C21-C36 Aromatics	NLE	NLE	NLE	**553**	**372 J**	**3,210 J**	**40.6 J-**	**1.2 J-**
C21-C40 Aliphatics	NLE	NLE	NLE	**1,700**	**8,350**	**7,200**	**87.8 J-**	**2.5 J-**
C9-C12 Aliphatics	NLE	NLE	NLE	< 1.2 UJ	**11.1 J**	**2.3 J**	< 1.3 UJ	< 1.1 UJ
Total Aliphatics	NLE	NLE	NLE	**1,980**	**10,700**	**8,730**	**112 J-**	**2.7 J**
Total Aromatics	NLE	NLE	NLE	**633**	**492 J**	**3,590 J**	**48.3 J-**	**1.7 J**
Total EPH	5,100	54,000	NLE	**2,610**	**11,200**	**12,300**	**161 J-**	**4.4 J**
PCBs (mg/kg)								
Aroclor-1016	NLE	NLE	NLE	< 0.031	< 0.029	< 0.03	< 0.032	< 0.027
Aroclor-1221	NLE	NLE	NLE	< 0.031	< 0.029	< 0.03	< 0.032	< 0.027
Aroclor-1232	NLE	NLE	NLE	< 0.031	< 0.029	< 0.03	< 0.032	< 0.027
Aroclor-1242	NLE	NLE	NLE	< 0.031	< 0.029	< 0.03	< 0.032	< 0.027
Aroclor-1248	NLE	NLE	NLE	< 0.031	< 0.029	< 0.03	< 0.032	< 0.027
Aroclor-1254	NLE	NLE	NLE	**0.062**	< 0.029	< 0.03	< 0.032	< 0.027
Aroclor-1260	NLE	NLE	NLE	< 0.031	< 0.029	< 0.03	< 0.032	< 0.027
Aroclor-1268	NLE	NLE	NLE	< 0.031	< 0.029	< 0.03	< 0.032	< 0.027
Total PCBs	0.2	1	0.2	**0.061**	< 0.029	< 0.03	< 0.032	< 0.027
Inorganics (mg/kg)								
Aluminum	78,000	NLE	6,000	NA	NA	**6,070**	NA	NA
Antimony	31	450	6	NA	NA	< 0.79	NA	NA
Arsenic	19	19	19	NA	NA	**6.4**	NA	NA
Barium	16,000	59,000	2,100	NA	NA	**16.7**	NA	NA
Beryllium	16	140	0.7	NA	NA	**1.1**	NA	NA
Cadmium	78	78	2	NA	NA	**0.26 J**	NA	NA
Calcium	NLE	NLE	NLE	NA	NA	**485**	NA	NA
Chromium	NLE	NLE	NLE	NA	NA	**82.4**	NA	NA
Cobalt	1,600	590	90	NA	NA	**2.4 J**	NA	NA
Copper	3,100	45,000	11,000	NA	NA	**5**	NA	NA
Iron	NLE	NLE	NLE	NA	NA	**29,500**	NA	NA
Lead	400	800	90	NA	NA	**11.3**	NA	NA
Magnesium	NLE	NLE	NLE	NA	NA	**3,560**	NA	NA
Manganese	11,000	5,900	65	NA	NA	**8.6**	NA	NA
Mercury	23	65	0.1	NA	NA	< 0.079	NA	NA
Molybdenum	NLE	NLE	NLE	NA	NA	< 0.79	NA	NA
Nickel	1,600	23,000	48	NA	NA	**6.8**	NA	NA
Potassium	NLE	NLE	NLE	NA	NA	**10,100**	NA	NA
Selenium	390	5,700	11	NA	NA	< 2	NA	NA
Silver	390	5,700	1	NA	NA	< 0.79	NA	NA
Sodium	NLE	NLE	NLE	NA	NA	**936**	NA	NA
Strontium	NLE	NLE	NLE	NA	NA	**6.5**	NA	NA
Thallium	NLE	NLE	3	NA	NA	< 0.41	NA	NA
Tin	NLE	NLE	NLE	NA	NA	< 2	NA	NA
Titanium	NLE	NLE	NLE	NA	NA	**25.2**	NA	NA
Vanadium	78	1,100	NLE	NA	NA	**22.8**	NA	NA
Zinc	23,000	110,000	930	NA	NA	**70.4**	NA	NA

TABLE X.Y SOIL SAMPLING RESULTS - COMPARISON TO USEPA/NJ (Insert Action Level Name)SITE

Loc ID	NJ Residential Direct Contact SRS	NJ Non-Residential Direct Contact SRS	NJ Impact to GW Soil Screening Level	FTMM08-B10-SB-02		FTMM08-B10-SB-04		
Sample ID				FTMM-08-B10-SB-02 6-6.5	FTMM-08-B10-SB-02 10-10.5	FTMM-08-B10-SB-04 1-1.5	FTMM-08-B10-SB-04 2.5-3	FTMM-08-B10-SB-04 6.5-7
Sample Date				11/20/2017	11/20/2017	11/20/2017	11/20/2017	11/20/2017
Volatile Organic Compounds (mg/kg)								
1,1,1,2-Tetrachloroethane	NLE	NLE	NLE	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
1,1,1-Trichloroethane	160,000	NLE	0.3	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
1,1,2,2-Tetrachloroethane	1	3	0.007	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
1,1,2-Trichloroethane	2	6	0.02	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
1,1-Dichloroethane	8	24	0.2	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
1,1-Dichloroethene	11	150	0.008	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
1,1-Dichloropropene	NLE	NLE	NLE	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
1,2,3-Trichlorobenzene	NLE	NLE	NLE	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
1,2,3-Trichloropropane	NLE	NLE	NLE	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
1,2,4-Trichlorobenzene	73	820	0.7	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
1,2,4-Trimethylbenzene	NLE	NLE	NLE	**0.003 J**	NA	NA	**7.1 J**	**0.053 J**
1,2-Dibromo-3-chloropropane	0.08	0.2	0.005	< 0.0022 UJ	NA	NA	< 0.0023 UJ	< 0.0018 UJ
1,2-Dibromoethane	0.008	0.04	0.005	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
1,2-Dichlorobenzene	5,300	59,000	17	< 0.0009 UJ	NA	NA	**0.057 J**	**0.0006 J**
1,2-Dichloroethane	0.9	3	0.005	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
1,2-Dichloropropane	2	5	0.005	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
1,3,5-Trimethylbenzene	NLE	NLE	NLE	< 0.0009 UJ	NA	NA	**1.1 J**	< 0.0007 UJ
1,3-Dichlorobenzene	5,300	59,000	19	< 0.0009 UJ	NA	NA	**0.0023 J**	< 0.0007 UJ
1,3-Dichloropropane	NLE	NLE	NLE	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
1,4-Dichlorobenzene	5	13	2	< 0.0009 UJ	NA	NA	**0.0093 J**	< 0.0007 UJ
2,2-Dichloropropane	NLE	NLE	NLE	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
2-Chlorotoluene	NLE	NLE	NLE	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Acetone	70,000	NLE	19	**0.16 J**	NA	NA	< 0.0046 UJ	**0.077 J**
Benzene	2	5	0.005	< 0.0009 UJ	NA	NA	< 0.0009 UJ	**0.0004 J**
Bromobenzene	NLE	NLE	NLE	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Bromochloromethane	NLE	NLE	NLE	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Bromodichloromethane	1	3	0.005	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Bromoform	81	280	0.03	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Carbon tetrachloride	2	4	0.005	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Chlorobenzene	510	7,400	0.6	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Chlorodibromomethane	3	8	0.005	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Chloroethane	220	1,100	NLE	< 0.0022 UJ	NA	NA	< 0.0023 UJ	< 0.0018 UJ
Chloroform	0.6	2	0.4	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Cis-1,2-Dichloroethene	230	560	0.3	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Cis-1,3-Dichloropropene	NLE	NLE	NLE	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Cymene	NLE	NLE	NLE	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Dichlorodifluoromethane	490	230,000	39	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Ethyl benzene	7,800	110,000	13	**0.0008 J**	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Hexachlorobutadiene	6	25	0.9	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Isopropylbenzene	NLE	NLE	NLE	**0.0057 J**	NA	NA	**0.5 J**	**0.0048 J**
Meta/Para Xylene	NLE	NLE	NLE	< 0.0018 UJ	NA	NA	**0.015 J**	< 0.0014 UJ
Methyl bromide	25	59	0.04	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Methyl butyl ketone	NLE	NLE	NLE	< 0.0044 UJ	NA	NA	< 0.0046 UJ	< 0.0036 UJ
Methyl chloride	4	12	NLE	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Methyl ethyl ketone	3,100	44,000	0.9	**0.034 J**	NA	NA	**0.12 J**	**0.011 J**
Methyl isobutyl ketone	NLE	NLE	NLE	< 0.0044 UJ	NA	NA	< 0.0046 UJ	< 0.0036 UJ
Methyl Tertbutyl Ether	110	320	0.2	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Methylene chloride	46	230	0.01	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Naphthalene	6	17	25	**0.005 J**	NA	NA	**0.007 J**	**0.0005 J**
n-Butylbenzene	NLE	NLE	NLE	**0.021 J**	NA	NA	NA	**0.004 J**
Ortho Xylene	NLE	NLE	NLE	< 0.0009 UJ	NA	NA	**0.0072 J**	< 0.0007 UJ
p-Chlorotoluene	NLE	NLE	NLE	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Propylbenzene	NLE	NLE	NLE	**0.015 J**	NA	NA	**1.2 J**	**0.01 J**
sec-Butylbenzene	NLE	NLE	NLE	**0.035 J**	NA	NA	**0.91 J**	**0.011 J**
Styrene	90	260	3	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Tert Butyl Alcohol	1,400	11,000	0.3	**0.0078 J**	NA	NA	**0.013 J**	< 0.0036 UJ
tert-Butylbenzene	NLE	NLE	NLE	< 0.0009 UJ	NA	NA	< 0.0009 UJ	**0.0006 J**
Tetrachloroethene	43	1,500	0.005	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Toluene	6,300	91,000	7	< 0.0009 UJ	NA	NA	**0.0006 J**	< 0.0007 UJ
Trans-1,2-Dichloroethene	300	720	0.6	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Trans-1,3-Dichloropropene	NLE	NLE	NLE	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Trichloroethene	3	10	0.01	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Trichlorofluoromethane	23,000	340,000	34	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
Vinyl chloride	0.7	2	0.005	< 0.0009 UJ	NA	NA	< 0.0009 UJ	< 0.0007 UJ
TIC VOCs (µg/kg)								
Total TICs	500	500	500	**906.9 JN**	NA	NA	**766.9 JN**	**254.2 JN**
Semivolatile Organic Compounds (mg/kg)								
1,2,4-Trichlorobenzene	73	820	0.7	< 0.076	NA	NA	< 0.076	< 0.11 UJ
1,2-Dichlorobenzene	5,300	59,000	17	< 0.076	NA	NA	**0.053 J**	< 0.11 UJ
1,2-Diphenylhydrazine	0.7	2	0.7	< 0.076	NA	NA	< 0.076	< 0.11 UJ
1,3-Dichlorobenzene	5,300	59,000	19	< 0.076	NA	NA	< 0.076	< 0.11 UJ
1,4-Dichlorobenzene	5	13	2	< 0.076	NA	NA	< 0.076	< 0.11 UJ
2,4,5-Trichlorophenol	6,100	68,000	68	< 0.076	NA	NA	< 0.076	< 0.11
2,4,6-Trichlorophenol	19	74	0.2	< 0.076	NA	NA	< 0.076	< 0.11
2,4-Dichlorophenol	180	2,100	0.2	< 0.076	NA	NA	< 0.076	< 0.11
2,4-Dimethylphenol	1,200	14,000	1	< 0.15	NA	NA	< 0.15	< 0.22
2,4-Dinitrophenol	120	1,400	0.3	< 0.23	NA	NA	< 0.23	< 0.33
2,4-Dinitrotoluene	0.7	3	NLE	< 0.076	NA	NA	< 0.076	< 0.11 UJ
2,6-Dinitrotoluene	0.7	3	NLE	< 0.076	NA	NA	< 0.076	< 0.11 UJ
2-Chloronaphthalene	NLE	NLE	NLE	< 0.076	NA	NA	< 0.076	< 0.11 UJ
2-Chlorophenol	310	2,200	0.8	< 0.23	NA	NA	< 0.23	< 0.33
2-Methylnaphthalene	230	2,400	8	< 0.076	NA	NA	**1**	< 0.11 UJ
2-Methylphenol	310	3,400	NLE	< 0.076	NA	NA	< 0.076	< 0.11
2-Nitroaniline	39	23,000	NLE	< 0.23	NA	NA	< 0.23	< 0.33 UJ
2-Nitrophenol	NLE	NLE	NLE	< 0.076	NA	NA	< 0.076	< 0.11
3,3'-Dichlorobenzidine	1	4	0.2	< 0.23	NA	NA	< 0.23	< 0.33 UJ
3-Nitroaniline	NLE	NLE	NLE	< 0.23	NA	NA	< 0.23	< 0.33 UJ
4,6-Dinitro-2-methylphenol	6	68	0.3	< 0.23	NA	NA	< 0.23	< 0.33
4-Bromophenyl phenyl ether	NLE	NLE	NLE	< 0.076	NA	NA	< 0.076	< 0.11 UJ
4-Chloro-3-methylphenol	NLE	NLE	NLE	< 0.076	NA	NA	< 0.076	< 0.11
4-Chloroaniline	NLE	NLE	NLE	< 0.23	NA	NA	< 0.23	< 0.33 UJ
4-Chlorophenyl phenyl ether	NLE	NLE	NLE	< 0.076	NA	NA	< 0.076	< 0.11 UJ
4-Nitroaniline	NLE	NLE	NLE	< 0.23	NA	NA	< 0.23	< 0.33 UJ
4-Nitrophenol	NLE	NLE	NLE	< 0.15	NA	NA	< 0.15	< 0.22
Acenaphthene	3,400	37,000	110	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Acenaphthylene	NLE	300,000	NLE	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Anthracene	17,000	30,000	2,400	< 0.076	NA	NA	**0.057 J**	< 0.11 UJ
Benzo(a)anthracene	5	17	0.8	< 0.076	NA	NA	**0.068 J**	< 0.11 UJ
Benzo(a)pyrene	0.5	2	0.2	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Benzo(b)fluoranthene	5	17	2	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Benzo(ghi)perylene	380,000	30,000	NLE	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Benzo(k)fluoranthene	45	170	25	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Benzoic Acid	NLE	NLE	NLE	< 0.45	NA	NA	< 0.45	< 0.65
Benzyl alcohol	NLE	NLE	NLE	< 0.23	NA	NA	< 0.23	< 0.33 UJ
Bis(2-Chloroethoxy)methane	NLE	NLE	NLE	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Bis(2-Chloroethyl)ether	0.4	2	0.2	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Bis(2-Chloroisopropyl)ether	23	67	5	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Bis(2-Ethylhexyl)phthalate	35	140	1,200	< 0.23	NA	NA	< 0.23	< 0.33 UJ
Butyl benzyl phthalate	1,200	14,000	230	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Carbazole	24	96	NLE	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Chrysene	450	1,700	80	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Cresol	NLE	NLE	NLE	< 0.076	NA	NA	< 0.076	< 0.11
Dibenz(a,h)anthracene	0.5	2	0.8	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Dibenzofuran	NLE	NLE	NLE	< 0.076	NA	NA	**0.051 J**	< 0.11 UJ
Diethyl phthalate	49,000	550,000	88	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Dimethyl phthalate	NLE	NLE	NLE	< 0.076	NA	NA	< 0.076	< 0.11 UJ

Loc ID	NJ Residential Direct Contact SRS	NJ Non-Residential Direct Contact SRS	NJ Impact to GW Soil Screening Level	FTMM08-B10-SB-02		FTMM08-B10-SB-04		
Sample ID				FTMM-08-B10-SB-02 6-6.5	FTMM-08-B10-SB-02 10-10.5	FTMM-08-B10-SB-04 1-1.5	FTMM-08-B10-SB-04 2.5-3	FTMM-08-B10-SB-04 6.5-7
Sample Date				11/20/2017	11/20/2017	11/20/2017	11/20/2017	11/20/2017
Di-n-butylphthalate	6,100	68,000	760	< 0.076	NA	NA	**0.17 J**	< 0.11 UJ
Di-n-octylphthalate	2,400	27,000	3,300	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Fluoranthene	2,300	24,000	1,300	**0.033 J**	NA	NA	**0.21**	< 0.11 UJ
Fluorene	2,300	24,000	170	< 0.076	NA	NA	**0.13**	< 0.11 UJ
Hexachlorobenzene	0.3	1	0.2	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Hexachlorobutadiene	6	25	0.9	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Hexachlorocyclopentadiene	45	110	320	< 0.23	NA	NA	< 0.23	< 0.33 UJ
Hexachloroethane	12	48	0.2	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Indeno(1,2,3-cd)pyrene	5	17	7	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Isophorone	510	2,000	0.2	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Naphthalene	6	17	25	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Nitrobenzene	5	14	0.2	< 0.076	NA	NA	< 0.076	< 0.11 UJ
N-Nitrosodimethylamine	0.7	0.7	0.7	< 0.15	NA	NA	< 0.15	< 0.22 UJ
N-Nitroso-di-n-propylamine	0.2	0.3	0.2	< 0.23	NA	NA	< 0.23	< 0.33 UJ
N-Nitrosodiphenylamine	99	390	0.4	< 0.076	NA	NA	< 0.076	< 0.11 UJ
Pentachlorophenol	0.9	3	0.3	< 0.23	NA	NA	< 0.23	< 0.33
Phenanthrene	NLE	300,000	NLE	< 0.076	NA	NA	**0.51**	< 0.11 UJ
Phenol	18,000	210,000	8	< 0.076	NA	NA	< 0.076	< 0.11
Pyrene	1,700	18,000	840	**0.072 J**	NA	NA	< 0.076	< 0.11 UJ
TIC SVOCs (mg/kg)								
Total TICs	500	500	500	**14.22 JN**	NA	NA	**27.95 JN**	**3.55 JN**
Extractable/Volatile Petroleum Hydrocarbons (mg/kg)								
C10-C12 Aromatics	NLE	NLE	NLE	< 1.2	< 1.1 UJ	NA	**2.2 J**	< 1.3 UJ
C12-C16 Aliphatics	NLE	NLE	NLE	**21.1**	< 1.1 UJ	NA	**114 J**	**11.4 J**
C12-C16 Aromatics	NLE	NLE	NLE	**1.6**	< 1.1 UJ	NA	**6.8 J**	**1.5 J**
C16-C21 Aliphatics	NLE	NLE	NLE	**910**	< 1.1 UJ	NA	**1,320 J**	**164 J**
C16-C21 Aromatics	NLE	NLE	NLE	**280**	**0.28 J**	NA	**406 J**	**33.5 J**
C21-C36 Aromatics	NLE	NLE	NLE	**3,070**	**1.1 J**	NA	**1,420 J**	**109 J**
C21-C40 Aliphatics	NLE	NLE	NLE	**7,290**	**3.9 J-**	NA	**7,010 J**	**536 J**
C9-C12 Aliphatics	NLE	NLE	NLE	**17.9**	< 1.1 UJ	NA	**4.7 J**	**0.25 J**
Total Aliphatics	NLE	NLE	NLE	**8,240**	**4.2 J**	NA	**8,450 J**	**711 J**
Total Aromatics	NLE	NLE	NLE	**3,350**	**1.4 J**	NA	**1,840 J**	**145 J**
Total EPH	5,100	54,000	NLE	**11,600**	**5.6 J**	NA	**10,300 J**	**855 J**
PCBs (mg/kg)								
Aroclor-1016	NLE	NLE	NLE	< 0.028	< 0.03	< 0.028	< 0.03	< 0.032
Aroclor-1221	NLE	NLE	NLE	< 0.028	< 0.03	< 0.028	< 0.03	< 0.032
Aroclor-1232	NLE	NLE	NLE	< 0.028	< 0.03	< 0.028	< 0.03	< 0.032
Aroclor-1242	NLE	NLE	NLE	< 0.028	< 0.03	< 0.028	< 0.03	< 0.032
Aroclor-1248	NLE	NLE	NLE	**0.04**	< 0.03	< 0.028	< 0.03	< 0.032
Aroclor-1254	NLE	NLE	NLE	**0.048 JN**	< 0.03	**0.23 J**	**0.075**	**0.023 J**
Aroclor-1260	NLE	NLE	NLE	**0.039 J**	< 0.03	**0.22 J**	**0.16 J**	< 0.032
Aroclor-1268	NLE	NLE	NLE	< 0.028	< 0.03	< 0.028	< 0.03	< 0.032
Total PCBs	0.2	1	0.2	**0.13**	< 0.03	**0.45**	**0.24**	**0.023 J**
Inorganics (mg/kg)								
Aluminum	78,000	NLE	6,000	**4,920**	NA	NA	**6,600**	**8,230**
Antimony	31	450	6	< 0.7	NA	NA	< 0.76	< 0.85
Arsenic	19	19	19	**6.9**	NA	NA	**7.8**	**16.6**
Barium	16,000	59,000	2,100	**15.9**	NA	NA	**16**	**20.5**
Beryllium	16	140	0.7	**0.9**	NA	NA	**1.2**	**1.4**
Cadmium	78	78	2	**0.98**	NA	NA	< 0.39	< 0.44
Calcium	NLE	NLE	NLE	**216**	NA	NA	**513**	**717**
Chromium	NLE	NLE	NLE	**70.3**	NA	NA	**97.3**	**107**
Cobalt	1,600	590	90	**1.8 J**	NA	NA	**1.9 J**	**3.7**
Copper	3,100	45,000	11,000	**2.9**	NA	NA	**2.5 J**	**1.9 J**
Iron	NLE	NLE	NLE	**28,600**	NA	NA	**36,900**	**39,000**
Lead	400	800	90	**7.1**	NA	NA	**9.2**	**4.8**
Magnesium	NLE	NLE	NLE	**2,320**	NA	NA	**3,310**	**4,400**
Manganese	11,000	5,900	65	**18.1**	NA	NA	**12.7**	**12.3**
Mercury	23	65	0.1	< 0.07	NA	NA	< 0.076	< 0.085
Molybdenum	NLE	NLE	NLE	< 0.7	NA	NA	< 0.76	**0.57 J**
Nickel	1,600	23,000	48	**5.1**	NA	NA	**6.3**	**8.4**
Potassium	NLE	NLE	NLE	**6,910**	NA	NA	**9,920**	**12,000**
Selenium	390	5,700	11	< 1.8	NA	NA	**1.1 J**	**1.1 J**
Silver	390	5,700	1	< 0.7	NA	NA	< 0.76	< 0.85
Sodium	NLE	NLE	NLE	**53.3 J**	NA	NA	**131**	**137**
Strontium	NLE	NLE	NLE	**3.2**	NA	NA	**5.7**	**8**
Thallium	NLE	NLE	3	< 0.36	NA	NA	< 0.39	< 0.44
Tin	NLE	NLE	NLE	**1.2 J**	NA	NA	< 1.9	< 2.1
Titanium	NLE	NLE	NLE	**37**	NA	NA	**41.7**	**64.4**
Vanadium	78	1,100	NLE	**31**	NA	NA	**36.8**	**41.9**
Zinc	23,000	110,000	930	**191**	NA	NA	**45.8**	**62**

TABLE X
GROUND WATER SAMPLING RESULTS - COMPARISON TO NJDEP GROUND WATER QUALITY CRITERIA
SITE FTMM08 M-8 Landfill
FORT MONMOUTH, NEW JERSEY

Loc ID	NJ Ground Water Quality Criteria	FTMM08-B10-TMW-01		FTMM08-B10-TMW-02	FTMM08-B10-TMW-04
Sample ID		FTMM-08-B10-TMW-01-3.5	FTMM-08-B10-TMW-101-3.5	FTMM-08-B10-TMW-02-10	FTMM-08-B10-TMW-04-4
Sample Date		11/20/2017	11/20/2017	11/20/2017	11/20/2017
Filtered		Total	Total	Total	Total
Volatile Organic Compounds (µg/l)					
1,1,1,2-Tetrachloroethane	1	< 0.75	< 0.75	< 3.8	< 0.75
1,1,1-Trichloroethane	30	< 0.75	< 0.75	< 3.8	< 0.75
1,1,2,2-Tetrachloroethane	1	< 0.75	< 0.75	< 3.8	< 0.75
1,1,2-Trichloroethane	3	< 0.75	< 0.75	< 3.8	< 0.75
1,1-Dichloroethane	50	< 0.75	< 0.75	< 3.8	< 0.75
1,1-Dichloroethene	1	< 0.75	< 0.75	< 3.8	< 0.75
1,1-Dichloropropene	100	< 0.75	< 0.75	< 3.8	< 0.75
1,2,3-Trichlorobenzene	100	< 0.75	< 0.75	< 3.8	< 0.75
1,2,3-Trichloropropane	0.03	< 2.5	< 2.5	< 12.5	< 2.5
1,2,4-Trichlorobenzene	9	< 0.75	< 0.75	< 3.8	< 0.75
1,2,4-Trimethylbenzene	100	< 0.75	< 0.75	< 3.8	**153**
1,2-Dibromo-3-chloropropane	0.02	< 2.5	< 2.5	< 12.5	< 2.5
1,2-Dibromoethane	0.03	< 0.75	< 0.75	< 3.8	< 0.75
1,2-Dichlorobenzene	600	< 0.75	< 0.75	< 3.8	**2.1**
1,2-Dichloroethane	2	< 0.75	< 0.75	< 3.8	< 0.75
1,2-Dichloropropane	1	< 0.75	< 0.75	< 3.8	< 0.75
1,3,5-Trimethylbenzene	100	< 0.75	< 0.75	< 3.8	< 0.75
1,3-Dichlorobenzene	600	< 0.75	< 0.75	< 3.8	< 0.75
1,3-Dichloropropane	100	< 0.75	< 0.75	< 3.8	< 0.75
1,4-Dichlorobenzene	75	< 0.75	< 0.75	< 3.8	< 0.75
2,2-Dichloropropane	100	< 0.75	< 0.75	< 3.8	< 0.75
2-Chlorotoluene	100	< 0.75	< 0.75	< 3.8	< 0.75
Acetone	6,000	**5.6**	< 3.8	< 18.8	**7.1**
Benzene	1	< 0.75	< 0.75	< 3.8	**0.92 J**
Bromobenzene	100	< 0.75	< 0.75	< 3.8	< 0.75
Bromochloromethane	100	< 0.75	< 0.75	< 3.8	< 0.75
Bromodichloromethane	1	< 0.75	< 0.75	< 3.8	< 0.75
Bromoform	4	< 0.75	< 0.75	< 3.8	< 0.75
Carbon tetrachloride	1	< 0.75	< 0.75	< 3.8	< 0.75
Chlorobenzene	50	< 0.75	< 0.75	< 3.8	< 0.75
Chlorodibromomethane	1	< 0.75	< 0.75	< 3.8	< 0.75
Chloroethane	5	< 0.75	< 0.75	< 3.8	< 0.75
Chloroform	70	< 0.75	< 0.75	< 3.8	< 0.75
Cis-1,2-Dichloroethene	70	< 0.75	< 0.75	< 3.8	< 0.75
Cis-1,3-Dichloropropene	1	< 0.75	< 0.75	< 3.8	< 0.75
Cymene	100	< 0.75	< 0.75	< 3.8	< 0.75
Dichlorodifluoromethane	1,000	< 0.75	< 0.75	< 3.8	< 0.75
Ethyl benzene	700	< 0.75	< 0.75	< 3.8	< 0.75
Hexachlorobutadiene	1	< 3.8	< 3.8	**5.3 J**	< 3.8
Isopropylbenzene	700	< 0.75	< 0.75	< 3.8	**12.2**
Meta/Para Xylene	1,000	< 1.5	< 1.5	< 7.5	< 1.5
Methyl bromide	10	**0.43 J**	**0.45 J**	**2.1 J**	**0.52 J**
Methyl butyl ketone	300	< 3.8	< 3.8	< 18.8	< 3.8
Methyl chloride	100	< 0.75	< 0.75	< 3.8	< 0.75
Methyl ethyl ketone	300	< 3.8	< 3.8	< 18.8	< 3.8
Methyl isobutyl ketone	100	< 3.8	< 3.8	< 18.8	< 3.8
Methyl Tertbutyl Ether	70	< 0.75	< 0.75	< 3.8	< 0.75
Methylene chloride	3	< 0.75	< 0.75	< 3.8	< 0.75
Naphthalene	300	< 0.75	< 0.75	< 3.8	**2.4**
n-Butylbenzene	100	< 0.75	< 0.75	< 3.8	< 0.75
Ortho Xylene	1,000	< 0.75	< 0.75	< 3.8	< 0.75
p-Chlorotoluene	100	< 0.75	< 0.75	< 3.8	< 0.75
Propylbenzene	100	< 0.75	< 0.75	< 3.8	**23.2**
sec-Butylbenzene	100	**0.43 J**	< 0.75	< 3.8	**8.8**
Styrene	100	< 0.75	< 0.75	< 3.8	< 0.75
Tert Butyl Alcohol	100	< 12.5	< 12.5	< 62.5	< 12.5
tert-Butylbenzene	100	< 0.75	< 0.75	< 3.8	< 0.75
Tetrachloroethene	1	< 0.75	< 0.75	< 3.8	< 0.75
Toluene	600	< 0.75	< 0.75	< 3.8	< 0.75
Total Xylenes	1,000	< 2.3	< 2.3	< 11.3	< 2.3
Trans-1,2-Dichloroethene	100	< 0.75	< 0.75	< 3.8	< 0.75
Trans-1,3-Dichloropropene	1	< 0.75	< 0.75	< 3.8	< 0.75
Trichloroethene	1	< 0.75	< 0.75	< 3.8	< 0.75
Trichlorofluoromethane	2,000	< 0.75	< 0.75	< 3.8	< 0.75
Vinyl chloride	1	< 0.75	< 0.75	< 3.8	< 0.75
TIC VOCs (µg/l)					
Total TICs	500	**2.4 JN**	NA	NA	**246.7 JN**
Semivolatile Organic Compounds (µg/l)					
1,2,4-Trichlorobenzene	9	< 0.94	< 0.93	< 6.7	< 2
1,2-Dichlorobenzene	600	< 0.94	< 0.93	< 6.7	**2 J**
1,2-Diphenylhydrazine	20	< 0.94	< 0.93	< 6.7	< 2
1,3-Dichlorobenzene	600	< 0.94	< 0.93	< 6.7	< 2
1,4-Dichlorobenzene	75	< 0.94	< 0.93	< 6.7	**0.47 J**
2,4,5-Trichlorophenol	700	< 2.8	< 2.8	< 20	< 6
2,4,6-Trichlorophenol	20	< 0.94	< 0.93	< 6.7	< 2
2,4-Dichlorophenol	20	< 0.94	< 0.93	< 6.7	< 2
2,4-Dimethylphenol	100	< 4.7	< 4.6	< 33.3	< 10
2,4-Dinitrophenol	40	< 7.5	< 7.4	< 53.3	< 16
2,4-Dinitrotoluene	10	< 0.94	< 0.93	< 6.7	< 2
2,6-Dinitrotoluene	10	< 0.94	< 0.93	< 6.7	< 2
2-Chloronaphthalene	600	< 0.94	< 0.93	< 6.7	< 2
2-Chlorophenol	40	< 1.9	< 1.9	< 13.3	< 4

TABLE X
GROUND WATER SAMPLING RESULTS - COMPARISON TO NJDEP GROUND WATER QUALITY CRITERIA
SITE FTMM08 M-8 Landfill
FORT MONMOUTH, NEW JERSEY

Loc ID	NJ Ground Water Quality Criteria	FTMM08-B10-TMW-01		FTMM08-B10-TMW-02	FTMM08-B10-TMW-04
Sample ID		FTMM-08-B10-TMW-01-3.5	FTMM-08-B10-TMW-101-3.5	FTMM-08-B10-TMW-02-10	FTMM-08-B10-TMW-04-4
Sample Date		11/20/2017	11/20/2017	11/20/2017	11/20/2017
Filtered		Total	Total	Total	Total
2-Methylnaphthalene	30	< 0.94	< 0.93	< 6.7	**41.6**
2-Methylphenol	100	< 0.94	< 0.93	< 6.7	< 2
2-Nitroaniline	100	< 0.94	< 0.93	< 6.7	< 2
2-Nitrophenol	100	< 1.9	< 1.9	< 13.3	< 4
3,3'-Dichlorobenzidine	30	< 2.8	< 2.8	< 20	< 6
3-Nitroaniline	100	< 1.9	< 1.9	< 13.3	< 4
4,6-Dinitro-2-methylphenol	1	< 4.7	< 4.6	< 33.3	< 10
4-Bromophenyl phenyl ether	100	< 0.94	< 0.93	< 6.7	< 2
4-Chloro-3-methylphenol	100	< 0.94	< 0.93	< 6.7	< 2
4-Chloroaniline	30	< 0.94	< 0.93	< 6.7	< 2
4-Chlorophenyl phenyl ether	100	< 0.94	< 0.93	< 6.7	< 2
4-Nitroaniline	5	< 0.94	< 0.93	< 6.7	< 2
4-Nitrophenol	100	< 4.7	< 4.6	< 33.3	< 10
Acenaphthene	400	< 0.94	**0.43 J**	< 6.7	< 2
Acenaphthylene	100	< 0.94	**0.67 J**	< 6.7	< 2
Anthracene	2,000	< 0.94	< 0.93	< 6.7	< 2
Benzidine	20	< 28.3	< 27.8	< 200	< 60
Benzo(a)anthracene	0.1	< 0.94	< 0.93	< 6.7	< 2
Benzo(a)pyrene	0.1	< 0.94	< 0.93	< 6.7	< 2
Benzo(b)fluoranthene	0.2	< 0.94	< 0.93	< 6.7	< 2
Benzo(ghi)perylene	100	< 0.94	< 0.93	< 6.7	< 2
Benzo(k)fluoranthene	0.5	< 0.94	< 0.93	< 6.7	< 2
Benzyl alcohol	2,000	< 1.9	< 1.9	< 13.3	< 4
Bis(2-Chloroethoxy)methane	100	< 0.94	< 0.93	< 6.7	< 2
Bis(2-Chloroethyl)ether	7	< 0.94	< 0.93	< 6.7	< 2
Bis(2-Chloroisopropyl)ether	300	< 0.94	< 0.93	< 6.7	< 2
Bis(2-Ethylhexyl)phthalate	3	**1.7 J**	< 0.93	< 6.7	< 2
Butyl benzyl phthalate	100	< 0.94	< 0.93	< 6.7	< 2
Carbazole	100	< 0.94	< 0.93	< 6.7	< 2
Chrysene	5	< 0.94	< 0.93	< 6.7	< 2
Cresol	NLE	< 0.94	< 0.93	< 6.7	< 2
Dibenz(a,h)anthracene	0.3	< 0.94	< 0.93	< 6.7	< 2
Dibenzofuran	100	< 0.94	< 0.93	< 6.7	< 2
Diethyl phthalate	6,000	< 0.94	< 0.93	< 6.7	< 2
Dimethyl phthalate	100	< 0.94	< 0.93	< 6.7	< 2
Di-n-butylphthalate	700	**0.65 J**	**2.3 J**	< 6.7	< 2
Di-n-octylphthalate	100	< 0.94	< 0.93	< 6.7	< 2
Fluoranthene	300	**0.7 J**	**2.2**	< 6.7	**8.2**
Fluorene	300	**0.38 J**	**0.95 J**	< 6.7	**5.5**
Hexachlorobenzene	0.02	< 0.94	< 0.93	< 6.7	< 2
Hexachlorobutadiene	1	< 0.94	< 0.93	< 6.7	< 2
Hexachlorocyclopentadiene	40	< 1.9	< 1.9	< 13.3	< 4
Hexachloroethane	7	< 0.94	< 0.93	< 6.7	< 2
Indeno(1,2,3-cd)pyrene	0.2	< 0.94	< 0.93	< 6.7	< 2
Isophorone	40	< 0.94	< 0.93	< 6.7	< 2
Naphthalene	300	< 0.94	< 0.93	< 6.7	**0.55 J**
Nitrobenzene	6	< 1.9	< 1.9	< 13.3	< 4
N-Nitrosodimethylamine	0.8	< 1.9	< 1.9	< 13.3	< 4
N-Nitroso-di-n-propylamine	10	< 0.94	< 0.93	< 6.7	< 2
N-Nitrosodiphenylamine	10	< 1.9	< 1.9	< 13.3	< 4
Pentachlorophenol	0.3	**4.4 J**	**10.5 J**	< 53.3	< 16
Phenanthrene	100	< 0.94	< 0.93	< 6.7	**19.6**
Phenol	2,000	< 0.94	< 0.93	< 6.7	< 2
Pyrene	200	< 0.94	< 0.93	< 6.7	< 2
TIC SVOCs (µg/l)					
Total TICs	500	**144 JN**	**521 JN**	**75.4 J**	**934.1 JN**
Inorganics (µg/l)					
Aluminum	200	**7,030**	**6,920**	**127,000**	**135,000**
Antimony	6	< 14	< 14	< 14	< 70
Arsenic	3	**38.2**	**39.4**	**83.4**	**92.2 J**
Barium	6,000	**154**	**160**	**4,880**	**1,220**
Beryllium	1	< 2.9	< 2.9	**41.6**	**43.3**
Cadmium	4	**3.3**	**3.7**	**106**	**21.7**
Calcium	NLE	**33,000**	**33,000**	**114,000**	**55,000**
Chromium	70	**105**	**104**	**423**	**1,220**
Cobalt	100	**7**	**7.1**	**54.6**	**51.1**
Copper	1,300	**37**	**39.8**	**234**	**77.2**
Iron	300	**47,100**	**47,100**	**290,000**	**852,000**
Lead	5	**41.7**	**38.1**	**952**	**187**
Magnesium	NLE	**43,600**	**43,700**	**23,500**	**14,000**
Manganese	50	**181**	**187**	**824**	**1,200**
Nickel	100	**15.6 J**	**16.2 J**	**173**	**177**
Potassium	NLE	**16,800**	**16,400**	**16,600**	**13,700**
Selenium	40	< 14	< 14	< 14	< 70
Silver	40	< 2.9	< 2.9	< 2.9	< 14.5
Sodium	50,000	**382,000**	**374,000**	**92,700**	**87,600**
Thallium	2	**10.2 J**	< 14	< 14	**90 J**
Vanadium	NLE	**68.3**	**69**	**611**	**1,590**
Zinc	2,000	**479**	**505**	**4,090**	**7,190**
Mercury (µg/l)					
Mercury	2	**0.22 J**	**0.26 J**	**1.9**	**0.54**

TABLE X.Y GROUND WATER SAMPLING RESI

Loc ID	NJ Ground Water Quality Criteria				
Sample ID		FTMM54-GW-296MW07-46	FTMM54-GW-296MW07-47	FTMM54-GW-296MW07-48	FTMM54-GW-296MW07-49
Sample Date		3/4/2008	5/14/2008	8/13/2008	10/24/2008
Sample Round		46	47	48	49
Filtered		Total	Total	Total	Total
Volatile Organic Compounds (µg/l)					
1,2-Dichloroethane	2	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND
Acetone	6,000	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND
Ethyl benzene	700	ND	ND	ND	ND
Meta/Para Xylene	1,000	ND	ND	ND	ND
Methyl Tertbutyl Ether	70	ND	ND	ND	ND
Ortho Xylene	1,000	ND	ND	ND	ND
Tert Butyl Alcohol	100	ND	ND	ND	ND
Toluene	600	ND	ND	ND	ND
Trichloroethene	1	ND	ND	ND	ND
Volatile Organic Compounds (µg/l)					
1,1,1,2-Tetrachloroethane	1	NA	NA	NA	NA
1,1,1-Trichloroethane	30	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	1	NA	NA	NA	NA
1,1,2-Trichloroethane	3	NA	NA	NA	NA
1,1-Dichloroethane	50	NA	NA	NA	NA
1,1-Dichloroethene	1	NA	NA	NA	NA
1,1-Dichloropropene	100	NA	NA	NA	NA
1,2,3-Trichlorobenzene	100	NA	NA	NA	NA
1,2,3-Trichloropropane	0.03	NA	NA	NA	NA
1,2,4-Trichlorobenzene	9	NA	NA	NA	NA
1,2,4-Trimethylbenzene	100	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.02	NA	NA	NA	NA
1,2-Dibromoethane	0.03	NA	NA	NA	NA
1,2-Dichlorobenzene	600	NA	NA	NA	NA
1,2-Dichloroethane	2	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA
1,3,5-Trimethylbenzene	100	NA	NA	NA	NA
1,3-Dichlorobenzene	600	NA	NA	NA	NA
1,3-Dichloropropane	100	NA	NA	NA	NA
1,4-Dichlorobenzene	75	NA	NA	NA	NA
2,2-Dichloropropane	100	NA	NA	NA	NA
2-Chlorotoluene	100	NA	NA	NA	NA
Acetone	6,000	NA	NA	NA	NA
Benzene	1	NA	NA	NA	NA
Bromobenzene	100	NA	NA	NA	NA
Bromochloromethane	100	NA	NA	NA	NA
Bromodichloromethane	1	NA	NA	NA	NA
Bromoform	4	NA	NA	NA	NA
Carbon tetrachloride	1	NA	NA	NA	NA
Chlorobenzene	50	NA	NA	NA	NA
Chlorodibromomethane	1	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA
Chloroform	70	NA	NA	NA	NA
Cis-1,2-Dichloroethene	70	NA	NA	NA	NA
Cis-1,3-Dichloropropene	1	NA	NA	NA	NA
Cymene	100	NA	NA	NA	NA
Dichlorodifluoromethane	1,000	NA	NA	NA	NA
Ethyl benzene	700	NA	NA	NA	NA
Hexachlorobutadiene	1	NA	NA	NA	NA
Isopropylbenzene	700	NA	NA	NA	NA
Meta/Para Xylene	1,000	NA	NA	NA	NA
Methyl bromide	10	NA	NA	NA	NA
Methyl butyl ketone	300	NA	NA	NA	NA
Methyl chloride	100	NA	NA	NA	NA
Methyl ethyl ketone	300	NA	NA	NA	NA
Methyl isobutyl ketone	100	NA	NA	NA	NA
Methyl Tertbutyl Ether	70	NA	NA	NA	NA
Methylene chloride	3	NA	NA	NA	NA
Naphthalene	300	NA	NA	NA	NA
n-Butylbenzene	100	NA	NA	NA	NA
Ortho Xylene	1,000	NA	NA	NA	NA
p-Chlorotoluene	100	NA	NA	NA	NA
Propylbenzene	100	NA	NA	NA	NA
sec-Butylbenzene	100	NA	NA	NA	NA
Styrene	100	NA	NA	NA	NA
tert-Butylbenzene	100	NA	NA	NA	NA
Tetrachloroethene	1	NA	NA	NA	NA
Toluene	600	NA	NA	NA	NA
Total Xylenes	1,000	NA	NA	NA	NA
Trans-1,2-Dichloroethene	100	NA	NA	NA	NA

Loc ID	NJ Ground Water Quality Criteria				
Sample ID		FTMM54-GW-296MW07-46	FTMM54-GW-296MW07-47	FTMM54-GW-296MW07-48	FTMM54-GW-296MW07-49
Sample Date		3/4/2008	5/14/2008	8/13/2008	10/24/2008
Sample Round		46	47	48	49
Filtered		Total	Total	Total	Total
Trans-1,3-Dichloropropene	1	NA	NA	NA	NA
Trichloroethene	1	NA	NA	NA	NA
Trichlorofluoromethane	2,000	NA	NA	NA	NA
Vinyl chloride	1	NA	NA	NA	NA
TIC VOCs (µg/l)					
Total TIC, Volatile	500	ND	ND	ND	ND
Inorganics (µg/l)					
Aluminum	200	**165**	**63**	**104**	**145**
Antimony	6	ND	ND	ND	ND
Arsenic	3	ND	**4.24**	**5.22**	**3.82**
Barium	6,000	**7.29**	**7.83**	**22.3**	**41.6**
Beryllium	1	ND	**0.132**	ND	ND
Cadmium	4	**0.819**	**1**	**1.05**	**0.773**
Calcium	NLE	**12,800**	**14,000**	**12,400**	**13,600**
Chromium	70	**1.35**	**1.24**	**0.973**	ND
Cobalt	100	ND	ND	ND	ND
Copper	1,300	**1.75**	ND	ND	ND
Iron	300	**6,720**	**8,850**	**7,690**	**11,200**
Lead	5	ND	ND	ND	ND
Magnesium	NLE	**2,690**	**3,180**	**2,450**	**2,800**
Manganese	50	**101**	**79.8**	**49.8**	**62.1**
Nickel	100	**5.22**	**1.88**	**0.989**	**0.874**
Potassium	NLE	**5,910**	**5,860**	**7,330**	**7,690**
Selenium	40	ND	ND	ND	ND
Silver	40	ND	ND	**1.67**	ND
Sodium	50,000	**7,820**	**13,600**	**7,520**	**10,300**
Thallium	2	ND	ND	ND	ND
Vanadium	NLE	**0.626**	**1.09**	**1.31**	ND
Zinc	2,000	**61.8**	**26.5**	**12.5**	**44.9**
Inorganics (µg/l)					
Lead	5	NA	NA	NA	NA
Mercury (µg/l)					
Mercury	2	ND	ND	ND	ND

TABLE X.Y GROUND WATER SAMPLING RESU

Loc ID	NJ Ground Water Quality Criteria	FTMM54-GW-296MW07-50	FTMM54-GW-296MW07-51	FTMM54-GW-296MW07-52	FTMM54-GW-296MW07-52-Dup
Sample ID		3/26/2009	6/2/2009	9/17/2009	9/17/2009
Sample Date		50	51	52	52
Sample Round		Total	Total	Total	Total
Filtered					
Volatile Organic Compounds (µg/l)					
1,2-Dichloroethane	2	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND
Acetone	6,000	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND
Ethyl benzene	700	ND	ND	ND	ND
Meta/Para Xylene	1,000	ND	ND	ND	ND
Methyl Tertbutyl Ether	70	ND	ND	ND	ND
Ortho Xylene	1,000	ND	ND	ND	ND
Tert Butyl Alcohol	100	ND	ND	ND	ND
Toluene	600	ND	ND	ND	ND
Trichloroethene	1	ND	ND	ND	ND
Volatile Organic Compounds (µg/l)					
1,1,1,2-Tetrachloroethane	1	NA	NA	NA	NA
1,1,1-Trichloroethane	30	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	1	NA	NA	NA	NA
1,1,2-Trichloroethane	3	NA	NA	NA	NA
1,1-Dichloroethane	50	NA	NA	NA	NA
1,1-Dichloroethene	1	NA	NA	NA	NA
1,1-Dichloropropene	100	NA	NA	NA	NA
1,2,3-Trichlorobenzene	100	NA	NA	NA	NA
1,2,3-Trichloropropane	0.03	NA	NA	NA	NA
1,2,4-Trichlorobenzene	9	NA	NA	NA	NA
1,2,4-Trimethylbenzene	100	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.02	NA	NA	NA	NA
1,2-Dibromoethane	0.03	NA	NA	NA	NA
1,2-Dichlorobenzene	600	NA	NA	NA	NA
1,2-Dichloroethane	2	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA
1,3,5-Trimethylbenzene	100	NA	NA	NA	NA
1,3-Dichlorobenzene	600	NA	NA	NA	NA
1,3-Dichloropropane	100	NA	NA	NA	NA
1,4-Dichlorobenzene	75	NA	NA	NA	NA
2,2-Dichloropropane	100	NA	NA	NA	NA
2-Chlorotoluene	100	NA	NA	NA	NA
Acetone	6,000	NA	NA	NA	NA
Benzene	1	NA	NA	NA	NA
Bromobenzene	100	NA	NA	NA	NA
Bromochloromethane	100	NA	NA	NA	NA
Bromodichloromethane	1	NA	NA	NA	NA
Bromoform	4	NA	NA	NA	NA
Carbon tetrachloride	1	NA	NA	NA	NA
Chlorobenzene	50	NA	NA	NA	NA
Chlorodibromomethane	1	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA
Chloroform	70	NA	NA	NA	NA
Cis-1,2-Dichloroethene	70	NA	NA	NA	NA
Cis-1,3-Dichloropropene	1	NA	NA	NA	NA
Cymene	100	NA	NA	NA	NA
Dichlorodifluoromethane	1,000	NA	NA	NA	NA
Ethyl benzene	700	NA	NA	NA	NA
Hexachlorobutadiene	1	NA	NA	NA	NA
Isopropylbenzene	700	NA	NA	NA	NA
Meta/Para Xylene	1,000	NA	NA	NA	NA
Methyl bromide	10	NA	NA	NA	NA
Methyl butyl ketone	300	NA	NA	NA	NA
Methyl chloride	100	NA	NA	NA	NA
Methyl ethyl ketone	300	NA	NA	NA	NA
Methyl isobutyl ketone	100	NA	NA	NA	NA
Methyl Tertbutyl Ether	70	NA	NA	NA	NA
Methylene chloride	3	NA	NA	NA	NA
Naphthalene	300	NA	NA	NA	NA
n-Butylbenzene	100	NA	NA	NA	NA
Ortho Xylene	1,000	NA	NA	NA	NA
p-Chlorotoluene	100	NA	NA	NA	NA
Propylbenzene	100	NA	NA	NA	NA
sec-Butylbenzene	100	NA	NA	NA	NA
Styrene	100	NA	NA	NA	NA
tert-Butylbenzene	100	NA	NA	NA	NA
Tetrachloroethene	1	NA	NA	NA	NA
Toluene	600	NA	NA	NA	NA
Total Xylenes	1,000	NA	NA	NA	NA
Trans-1,2-Dichloroethene	100	NA	NA	NA	NA

Loc ID	NJ Ground Water Quality Criteria	FTMM54-GW-296MW07-50	FTMM54-GW-296MW07-51	FTMM54-GW-296MW07-52	FTMM54-GW-296MW07-52-Dup
Sample ID					
Sample Date		3/26/2009	6/2/2009	9/17/2009	9/17/2009
Sample Round		50	51	52	52
Filtered		Total	Total	Total	Total
Trans-1,3-Dichloropropene	1	NA	NA	NA	NA
Trichloroethene	1	NA	NA	NA	NA
Trichlorofluoromethane	2,000	NA	NA	NA	NA
Vinyl chloride	1	NA	NA	NA	NA
TIC VOCs (µg/l)					
Total TIC, Volatile	500	ND	ND	ND	ND
Inorganics (µg/l)					
Aluminum	200	**175**	**271**	**225**	**263**
Antimony	6	**21.2**	**2.3**	ND	ND
Arsenic	3	**33.1**	**15.1**	**11.1**	**16.3**
Barium	6,000	**57.7**	**114**	**14.4**	**17.3**
Beryllium	1	ND	**0.103**	ND	ND
Cadmium	4	**0.962**	**2.02**	**0.524**	**0.808**
Calcium	NLE	**15,300**	**18,900**	**19,200**	**18,200**
Chromium	70	**0.848**	**0.365**	**2.33**	**2.56**
Cobalt	100	ND	ND	ND	ND
Copper	1,300	ND	**4.55**	ND	ND
Iron	300	**25,500**	**28,300**	**7,990**	**8,730**
Lead	5	**8.39**	**1.56**	ND	ND
Magnesium	NLE	**2,960**	**2,580**	**4,680**	**4,400**
Manganese	50	**72.8**	**92.8**	**83.2**	**79.9**
Nickel	100	ND	**1.14**	**0.925**	**1.41**
Potassium	NLE	**6,570**	**9,340**	**8,340**	**7,860**
Selenium	40	**39.9**	ND	**13.4**	ND
Silver	40	ND	ND	ND	ND
Sodium	50,000	**12,200**	**5,650**	**15,400**	**13,400**
Thallium	2	ND	**2.41**	ND	ND
Vanadium	NLE	**4.41**	**1.81**	**4.07**	**3.64**
Zinc	2,000	**85.5**	**178**	**58.5**	**56.7**
Inorganics (µg/l)					
Lead	5	NA	NA	NA	NA
Mercury (µg/l)					
Mercury	2	ND	ND	ND	ND

TABLE X.Y GROUND WATER SAMPLING RESI

Loc ID	NJ Ground Water Quality Criteria	296MW07			
Sample ID		FTMM54-GW-296MW07-53	FTMM54-GW-296MW07-53-Dup	FTMM54-GW-296MW07-54	FTMM54-GW-296MW07-54-Dup
Sample Date		11/23/2009	11/23/2009	2/2/2010	2/2/2010
Sample Round		53	53	54	54
Filtered		Total	Total	Total	Total
Volatile Organic Compounds (µg/l)					
1,2-Dichloroethane	2	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND
Acetone	6,000	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND
Carbon tetrachloride	1	ND	ND	ND	ND
Ethyl benzene	700	ND	ND	ND	ND
Meta/Para Xylene	1,000	ND	ND	ND	ND
Methyl Tertbutyl Ether	70	ND	ND	ND	ND
Ortho Xylene	1,000	ND	ND	ND	ND
Tert Butyl Alcohol	100	ND	ND	ND	ND
Toluene	600	ND	ND	ND	ND
Trichloroethene	1	ND	ND	ND	ND
Volatile Organic Compounds (µg/l)					
1,1,1,2-Tetrachloroethane	1	NA	NA	NA	NA
1,1,1-Trichloroethane	30	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	1	NA	NA	NA	NA
1,1,2-Trichloroethane	3	NA	NA	NA	NA
1,1-Dichloroethane	50	NA	NA	NA	NA
1,1-Dichloroethene	1	NA	NA	NA	NA
1,1-Dichloropropene	100	NA	NA	NA	NA
1,2,3-Trichlorobenzene	100	NA	NA	NA	NA
1,2,3-Trichloropropane	0.03	NA	NA	NA	NA
1,2,4-Trichlorobenzene	9	NA	NA	NA	NA
1,2,4-Trimethylbenzene	100	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.02	NA	NA	NA	NA
1,2-Dibromoethane	0.03	NA	NA	NA	NA
1,2-Dichlorobenzene	600	NA	NA	NA	NA
1,2-Dichloroethane	2	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA
1,3,5-Trimethylbenzene	100	NA	NA	NA	NA
1,3-Dichlorobenzene	600	NA	NA	NA	NA
1,3-Dichloropropane	100	NA	NA	NA	NA
1,4-Dichlorobenzene	75	NA	NA	NA	NA
2,2-Dichloropropane	100	NA	NA	NA	NA
2-Chlorotoluene	100	NA	NA	NA	NA
Acetone	6,000	NA	NA	NA	NA
Benzene	1	NA	NA	NA	NA
Bromobenzene	100	NA	NA	NA	NA
Bromochloromethane	100	NA	NA	NA	NA
Bromodichloromethane	1	NA	NA	NA	NA
Bromoform	4	NA	NA	NA	NA
Carbon tetrachloride	1	NA	NA	NA	NA
Chlorobenzene	50	NA	NA	NA	NA
Chlorodibromomethane	1	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA
Chloroform	70	NA	NA	NA	NA
Cis-1,2-Dichloroethene	70	NA	NA	NA	NA
Cis-1,3-Dichloropropene	1	NA	NA	NA	NA
Cymene	100	NA	NA	NA	NA
Dichlorodifluoromethane	1,000	NA	NA	NA	NA
Ethyl benzene	700	NA	NA	NA	NA
Hexachlorobutadiene	1	NA	NA	NA	NA
Isopropylbenzene	700	NA	NA	NA	NA
Meta/Para Xylene	1,000	NA	NA	NA	NA
Methyl bromide	10	NA	NA	NA	NA
Methyl butyl ketone	300	NA	NA	NA	NA
Methyl chloride	100	NA	NA	NA	NA
Methyl ethyl ketone	300	NA	NA	NA	NA
Methyl isobutyl ketone	100	NA	NA	NA	NA
Methyl Tertbutyl Ether	70	NA	NA	NA	NA
Methylene chloride	3	NA	NA	NA	NA
Naphthalene	300	NA	NA	NA	NA
n-Butylbenzene	100	NA	NA	NA	NA
Ortho Xylene	1,000	NA	NA	NA	NA
p-Chlorotoluene	100	NA	NA	NA	NA
Propylbenzene	100	NA	NA	NA	NA
sec-Butylbenzene	100	NA	NA	NA	NA
Styrene	100	NA	NA	NA	NA
tert-Butylbenzene	100	NA	NA	NA	NA
Tetrachloroethene	1	NA	NA	NA	NA
Toluene	600	NA	NA	NA	NA
Total Xylenes	1,000	NA	NA	NA	NA
Trans-1,2-Dichloroethene	100	NA	NA	NA	NA

Loc ID	NJ Ground Water Quality Criteria	296MW07			
Sample ID		FTMM54-GW-296MW07-53	FTMM54-GW-296MW07-53-Dup	FTMM54-GW-296MW07-54	FTMM54-GW-296MW07-54-Dup
Sample Date		11/23/2009	11/23/2009	2/2/2010	2/2/2010
Sample Round		53	53	54	54
Filtered		Total	Total	Total	Total
Trans-1,3-Dichloropropene	1	NA	NA	NA	NA
Trichloroethene	1	NA	NA	NA	NA
Trichlorofluoromethane	2,000	NA	NA	NA	NA
Vinyl chloride	1	NA	NA	NA	NA
TIC VOCs (µg/l)					
Total TIC, Volatile	500	ND	ND	ND	ND
Inorganics (µg/l)					
Aluminum	200	**109**	**118**	**382**	**409**
Antimony	6	ND	ND	ND	ND
Arsenic	3	**2.91**	**3.28**	**2.61**	**2.69**
Barium	6,000	**37.4**	**36.7**	**24.8**	**29**
Beryllium	1	ND	ND	ND	ND
Cadmium	4	**0.556**	ND	ND	ND
Calcium	NLE	**31,200**	**33,000**	**14,100**	**14,200**
Chromium	70	ND	ND	**3.2**	**3.58**
Cobalt	100	ND	ND	ND	ND
Copper	1,300	ND	ND	ND	ND
Iron	300	**13,700**	**14,100**	**10,600**	**11,700**
Lead	5	ND	ND	ND	ND
Magnesium	NLE	**7,370**	**7,730**	**3,130**	**3,120**
Manganese	50	**128**	**134**	**69.6**	**68.1**
Nickel	100	**3.12**	**3.5**	**3.01**	**2.72**
Potassium	NLE	**8,240**	**8,460**	**7,720**	**7,880**
Selenium	40	ND	ND	ND	ND
Silver	40	ND	ND	ND	ND
Sodium	50,000	**34,100**	**34,900**	**23,400**	**22,200**
Thallium	2	ND	ND	ND	ND
Vanadium	NLE	**3.02**	**3**	**3.99**	**3.69**
Zinc	2,000	**84.7**	**90.1**	**36.9**	**372**
Inorganics (µg/l)					
Lead	5	NA	NA	NA	NA
Mercury (µg/l)					
Mercury	2	ND	ND	ND	**0.09**

TABLE X.Y GROUND WATER SAMPLING RESI

Loc ID	NJ Ground Water Quality Criteria	FTMM54-GW-296MW07-55	FTMM54-GW-296MW07-56	FTMM54-GW-296MW07-56-Dup	FTMM54-GW-296MW07-57
Sample ID		FTMM54-GW-296MW07-55	FTMM54-GW-296MW07-56	FTMM54-GW-296MW07-56-Dup	FTMM54-GW-296MW07-57
Sample Date		5/20/2010	9/13/2010	9/13/2010	11/22/2010
Sample Round		55	56	56	57
Filtered		Total	Total	Total	Total
Volatile Organic Compounds (µg/l)					
1,2-Dichloroethane	2	ND	ND	ND	< 0.11
1,2-Dichloropropane	1	ND	ND	ND	< 0.12
Acetone	6,000	ND	ND	ND	< 0.32
Benzene	1	ND	ND	ND	< 0.12
Carbon tetrachloride	1	ND	ND	ND	< 0.12
Ethyl benzene	700	ND	ND	ND	< 0.12
Meta/Para Xylene	1,000	ND	ND	ND	< 0.3
Methyl Tertbutyl Ether	70	ND	ND	ND	< 0.11
Ortho Xylene	1,000	ND	ND	ND	< 0.14
Tert Butyl Alcohol	100	ND	ND	ND	< 1.64
Toluene	600	ND	ND	ND	< 0.12
Trichloroethene	1	ND	ND	ND	< 0.11
Volatile Organic Compounds (µg/l)					
1,1,1,2-Tetrachloroethane	1	NA	NA	NA	NA
1,1,1-Trichloroethane	30	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	1	NA	NA	NA	NA
1,1,2-Trichloroethane	3	NA	NA	NA	NA
1,1-Dichloroethane	50	NA	NA	NA	NA
1,1-Dichloroethene	1	NA	NA	NA	NA
1,1-Dichloropropene	100	NA	NA	NA	NA
1,2,3-Trichlorobenzene	100	NA	NA	NA	NA
1,2,3-Trichloropropane	0.03	NA	NA	NA	NA
1,2,4-Trichlorobenzene	9	NA	NA	NA	NA
1,2,4-Trimethylbenzene	100	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.02	NA	NA	NA	NA
1,2-Dibromoethane	0.03	NA	NA	NA	NA
1,2-Dichlorobenzene	600	NA	NA	NA	NA
1,2-Dichloroethane	2	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA
1,3,5-Trimethylbenzene	100	NA	NA	NA	NA
1,3-Dichlorobenzene	600	NA	NA	NA	NA
1,3-Dichloropropane	100	NA	NA	NA	NA
1,4-Dichlorobenzene	75	NA	NA	NA	NA
2,2-Dichloropropane	100	NA	NA	NA	NA
2-Chlorotoluene	100	NA	NA	NA	NA
Acetone	6,000	NA	NA	NA	NA
Benzene	1	NA	NA	NA	NA
Bromobenzene	100	NA	NA	NA	NA
Bromochloromethane	100	NA	NA	NA	NA
Bromodichloromethane	1	NA	NA	NA	NA
Bromoform	4	NA	NA	NA	NA
Carbon tetrachloride	1	NA	NA	NA	NA
Chlorobenzene	50	NA	NA	NA	NA
Chlorodibromomethane	1	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA
Chloroform	70	NA	NA	NA	NA
Cis-1,2-Dichloroethene	70	NA	NA	NA	NA
Cis-1,3-Dichloropropene	1	NA	NA	NA	NA
Cymene	100	NA	NA	NA	NA
Dichlorodifluoromethane	1,000	NA	NA	NA	NA
Ethyl benzene	700	NA	NA	NA	NA
Hexachlorobutadiene	1	NA	NA	NA	NA
Isopropylbenzene	700	NA	NA	NA	NA
Meta/Para Xylene	1,000	NA	NA	NA	NA
Methyl bromide	10	NA	NA	NA	NA
Methyl butyl ketone	300	NA	NA	NA	NA
Methyl chloride	100	NA	NA	NA	NA
Methyl ethyl ketone	300	NA	NA	NA	NA
Methyl isobutyl ketone	100	NA	NA	NA	NA
Methyl Tertbutyl Ether	70	NA	NA	NA	NA
Methylene chloride	3	NA	NA	NA	NA
Naphthalene	300	NA	NA	NA	NA
n-Butylbenzene	100	NA	NA	NA	NA
Ortho Xylene	1,000	NA	NA	NA	NA
p-Chlorotoluene	100	NA	NA	NA	NA
Propylbenzene	100	NA	NA	NA	NA
sec-Butylbenzene	100	NA	NA	NA	NA
Styrene	100	NA	NA	NA	NA
tert-Butylbenzene	100	NA	NA	NA	NA
Tetrachloroethene	1	NA	NA	NA	NA
Toluene	600	NA	NA	NA	NA
Total Xylenes	1,000	NA	NA	NA	NA
Trans-1,2-Dichloroethene	100	NA	NA	NA	NA

Loc ID	NJ Ground Water Quality Criteria	FTMM54-GW-296MW07-55	FTMM54-GW-296MW07-56	FTMM54-GW-296MW07-56-Dup	FTMM54-GW-296MW07-57
Sample ID					
Sample Date		5/20/2010	9/13/2010	9/13/2010	11/22/2010
Sample Round		55	56	56	57
Filtered		Total	Total	Total	Total
Trans-1,3-Dichloropropene	1	NA	NA	NA	NA
Trichloroethene	1	NA	NA	NA	NA
Trichlorofluoromethane	2,000	NA	NA	NA	NA
Vinyl chloride	1	NA	NA	NA	NA
TIC VOCs (µg/l)					
Total TIC, Volatile	500	ND	ND	ND	ND
Inorganics (µg/l)					
Aluminum	200	**48.4**	**45.8**	**46.5**	**14.8**
Antimony	6	ND	ND	**37.5**	ND
Arsenic	3	**3.01**	**2.29**	**2.68**	**1.52**
Barium	6,000	**7.47**	**7.79**	**7.6**	**5.78**
Beryllium	1	ND	ND	ND	ND
Cadmium	4	ND	ND	ND	ND
Calcium	NLE	**14,500**	**12,900**	**13,100**	**15,200**
Chromium	70	ND	ND	ND	ND
Cobalt	100	ND	ND	ND	< 2
Copper	1,300	**1.52**	**1.11**	**1.44**	**3.95**
Iron	300	**2,950**	**4,180**	**4,040**	**2,200**
Lead	5	ND	ND	ND	ND
Magnesium	NLE	**3,520**	**2,830**	**2,870**	**3,390**
Manganese	50	**46.7**	**51.9**	**53.5**	**50.4**
Nickel	100	**0.61**	**1.78**	**1.23**	**1.31**
Potassium	NLE	**6,590**	**7,460**	**7,580**	**8,050**
Selenium	40	NA	**1.57**	**1.37**	ND
Silver	40	ND	**1.7**	**1.57**	ND
Sodium	50,000	**21,200**	**8,110**	**7,720**	**15,700**
Thallium	2	ND	ND	ND	ND
Vanadium	NLE	**1.11**	**0.64**	**0.673**	**1.28**
Zinc	2,000	**55.2**	**24.5**	**24.9**	**44.1**
Inorganics (µg/l)					
Lead	5	NA	NA	NA	NA
Mercury (µg/l)					
Mercury	2	ND	**0.08**	ND	ND

TABLE X.Y GROUND WATER SAMPLING RESU

Loc ID	NJ Ground Water Quality Criteria	FTMM54-GW-296MW07-58	FTMM54-GW-296MW07-59	FTMM54-GW-296MW07-59-Dup	FTMM54-GW-296MW07-60
Sample ID		FTMM54-GW-296MW07-58	FTMM54-GW-296MW07-59	FTMM54-GW-296MW07-59-Dup	FTMM54-GW-296MW07-60
Sample Date		2/24/2011	4/19/2011	4/19/2011	8/9/2011
Sample Round		58	59	59	60
Filtered		Total	Total	Total	Total
Volatile Organic Compounds (µg/l)					
1,2-Dichloroethane	2	< 0.11	< 0.11	< 0.11	< 1
1,2-Dichloropropane	1	< 0.12	< 0.12	< 0.12	< 1
Acetone	6,000	< 0.32	< 0.32	< 0.32	< 10
Benzene	1	< 0.12	< 0.12	< 0.12	< 1
Carbon tetrachloride	1	< 0.12	< 0.12	< 0.12	< 1
Ethyl benzene	700	< 0.12	< 0.12	< 0.12	< 1
Meta/Para Xylene	1,000	< 0.3	< 0.3	< 0.3	< 1
Methyl Tertbutyl Ether	70	< 0.11	**0.21 J**	**0.2 J**	< 1
Ortho Xylene	1,000	< 0.14	< 0.14	< 0.14	< 1
Tert Butyl Alcohol	100	< 1.64	< 1.64	< 1.64	NA
Toluene	600	< 0.12	< 0.12	< 0.12	< 1
Trichloroethene	1	< 0.11	< 0.11	< 0.11	< 1
Volatile Organic Compounds (µg/l)					
1,1,1,2-Tetrachloroethane	1	NA	NA	NA	NA
1,1,1-Trichloroethane	30	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	1	NA	NA	NA	NA
1,1,2-Trichloroethane	3	NA	NA	NA	NA
1,1-Dichloroethane	50	NA	NA	NA	NA
1,1-Dichloroethene	1	NA	NA	NA	NA
1,1-Dichloropropene	100	NA	NA	NA	NA
1,2,3-Trichlorobenzene	100	NA	NA	NA	NA
1,2,3-Trichloropropane	0.03	NA	NA	NA	NA
1,2,4-Trichlorobenzene	9	NA	NA	NA	NA
1,2,4-Trimethylbenzene	100	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.02	NA	NA	NA	NA
1,2-Dibromoethane	0.03	NA	NA	NA	NA
1,2-Dichlorobenzene	600	NA	NA	NA	NA
1,2-Dichloroethane	2	NA	NA	NA	NA
1,2-Dichloropropane	1	NA	NA	NA	NA
1,3,5-Trimethylbenzene	100	NA	NA	NA	NA
1,3-Dichlorobenzene	600	NA	NA	NA	NA
1,3-Dichloropropane	100	NA	NA	NA	NA
1,4-Dichlorobenzene	75	NA	NA	NA	NA
2,2-Dichloropropane	100	NA	NA	NA	NA
2-Chlorotoluene	100	NA	NA	NA	NA
Acetone	6,000	NA	NA	NA	NA
Benzene	1	NA	NA	NA	NA
Bromobenzene	100	NA	NA	NA	NA
Bromochloromethane	100	NA	NA	NA	NA
Bromodichloromethane	1	NA	NA	NA	NA
Bromoform	4	NA	NA	NA	NA
Carbon tetrachloride	1	NA	NA	NA	NA
Chlorobenzene	50	NA	NA	NA	NA
Chlorodibromomethane	1	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA
Chloroform	70	NA	NA	NA	NA
Cis-1,2-Dichloroethene	70	NA	NA	NA	NA
Cis-1,3-Dichloropropene	1	NA	NA	NA	NA
Cymene	100	NA	NA	NA	NA
Dichlorodifluoromethane	1,000	NA	NA	NA	NA
Ethyl benzene	700	NA	NA	NA	NA
Hexachlorobutadiene	1	NA	NA	NA	NA
Isopropylbenzene	700	NA	NA	NA	NA
Meta/Para Xylene	1,000	NA	NA	NA	NA
Methyl bromide	10	NA	NA	NA	NA
Methyl butyl ketone	300	NA	NA	NA	NA
Methyl chloride	100	NA	NA	NA	NA
Methyl ethyl ketone	300	NA	NA	NA	NA
Methyl isobutyl ketone	100	NA	NA	NA	NA
Methyl Tertbutyl Ether	70	NA	NA	NA	NA
Methylene chloride	3	NA	NA	NA	NA
Naphthalene	300	NA	NA	NA	NA
n-Butylbenzene	100	NA	NA	NA	NA
Ortho Xylene	1,000	NA	NA	NA	NA
p-Chlorotoluene	100	NA	NA	NA	NA
Propylbenzene	100	NA	NA	NA	NA
sec-Butylbenzene	100	NA	NA	NA	NA
Styrene	100	NA	NA	NA	NA
tert-Butylbenzene	100	NA	NA	NA	NA
Tetrachloroethene	1	NA	NA	NA	NA
Toluene	600	NA	NA	NA	NA
Total Xylenes	1,000	NA	NA	NA	NA
Trans-1,2-Dichloroethene	100	NA	NA	NA	NA

Loc ID	NJ Ground Water Quality Criteria	FTMM54-GW-296MW07-58	FTMM54-GW-296MW07-59	FTMM54-GW-296MW07-59-Dup	FTMM54-GW-296MW07-60
Sample ID					
Sample Date		2/24/2011	4/19/2011	4/19/2011	8/9/2011
Sample Round		58	59	59	60
Filtered		Total	Total	Total	Total
Trans-1,3-Dichloropropene	1	NA	NA	NA	NA
Trichloroethene	1	NA	NA	NA	NA
Trichlorofluoromethane	2,000	NA	NA	NA	NA
Vinyl chloride	1	NA	NA	NA	NA
TIC VOCs (µg/l)					
Total TIC, Volatile	500	ND	ND	ND	ND
Inorganics (µg/l)					
Aluminum	200	< 200	**315**	**306**	**902**
Antimony	6	< 6	< 6	< 6	< 6
Arsenic	3	< 3	< 3	< 3	**7.2**
Barium	6,000	< 200	< 200	< 200	< 200
Beryllium	1	< 1	< 1	< 1	< 1
Cadmium	4	< 3	< 3	< 3	< 3
Calcium	NLE	**13,900**	**30,300**	**29,900**	**13,500**
Chromium	70	< 10	< 10	< 10	< 10
Cobalt	100	< 50	< 50	< 50	< 50
Copper	1,300	< 10	< 10	< 10	< 10
Iron	300	**6,830**	**5,450**	**6,840**	**47,100**
Lead	5	< 3	< 3	< 3	< 3
Magnesium	NLE	< 5000	**8,750**	**8,690**	< 5000
Manganese	50	**47.1**	**93.8**	**91.7**	**67**
Nickel	100	< 10	< 10	< 10	< 10
Potassium	NLE	< 10000	< 10000	< 10000	< 10000
Selenium	40	< 10	< 10	< 10	< 10
Silver	40	< 10	< 10	< 10	< 10
Sodium	50,000	**28,800**	**105,000**	**103,000**	**10,800**
Thallium	2	< 2	< 2	< 2	< 2
Vanadium	NLE	< 50	< 50	< 50	< 50
Zinc	2,000	**71.5**	**177**	**182**	**115**
Inorganics (µg/l)					
Lead	5	NA	NA	NA	NA
Mercury (µg/l)					
Mercury	2	< 0.2	< 0.2	< 0.2	< 0.2

TABLE X.Y GROUND WATER SAMPLING RESU

Loc ID	NJ Ground Water Quality Criteria	
Sample ID		FTMM-54-GW-296MW07
Sample Date		8/19/2013
Sample Round		61
Filtered		Total
Volatile Organic Compounds (µg/l)		
1,2-Dichloroethane	2	NA
1,2-Dichloropropane	1	NA
Acetone	6,000	NA
Benzene	1	NA
Carbon tetrachloride	1	NA
Ethyl benzene	700	NA
Meta/Para Xylene	1,000	NA
Methyl Tertbutyl Ether	70	NA
Ortho Xylene	1,000	NA
Tert Butyl Alcohol	100	NA
Toluene	600	NA
Trichloroethene	1	NA
Volatile Organic Compounds (µg/l)		
1,1,1,2-Tetrachloroethane	1	< 5
1,1,1-Trichloroethane	30	< 5
1,1,2,2-Tetrachloroethane	1	< 5
1,1,2-Trichloroethane	3	< 5
1,1-Dichloroethane	50	< 5
1,1-Dichloroethene	1	< 5
1,1-Dichloropropene	100	< 5
1,2,3-Trichlorobenzene	100	< 5
1,2,3-Trichloropropane	0.03	< 5
1,2,4-Trichlorobenzene	9	< 5
1,2,4-Trimethylbenzene	100	< 5
1,2-Dibromo-3-chloropropane	0.02	< 5
1,2-Dibromoethane	0.03	< 5
1,2-Dichlorobenzene	600	< 5
1,2-Dichloroethane	2	< 5
1,2-Dichloropropane	1	< 5
1,3,5-Trimethylbenzene	100	< 5
1,3-Dichlorobenzene	600	< 5
1,3-Dichloropropane	100	< 5
1,4-Dichlorobenzene	75	< 5
2,2-Dichloropropane	100	< 5
2-Chlorotoluene	100	< 5
Acetone	6,000	**2.1 J**
Benzene	1	< 5
Bromobenzene	100	< 5
Bromochloromethane	100	< 5
Bromodichloromethane	1	< 5
Bromoform	4	< 5
Carbon tetrachloride	1	< 5
Chlorobenzene	50	< 5
Chlorodibromomethane	1	< 5
Chloroethane	5	< 5
Chloroform	70	< 5
Cis-1,2-Dichloroethene	70	< 5
Cis-1,3-Dichloropropene	1	< 5
Cymene	100	< 5
Dichlorodifluoromethane	1,000	< 5
Ethyl benzene	700	< 5
Hexachlorobutadiene	1	< 5
Isopropylbenzene	700	< 5
Meta/Para Xylene	1,000	< 10
Methyl bromide	10	< 5
Methyl butyl ketone	300	< 5
Methyl chloride	100	< 5
Methyl ethyl ketone	300	< 5
Methyl isobutyl ketone	100	< 5
Methyl Tertbutyl Ether	70	< 5
Methylene chloride	3	< 5
Naphthalene	300	< 5
n-Butylbenzene	100	< 5
Ortho Xylene	1,000	< 5
p-Chlorotoluene	100	< 5
Propylbenzene	100	< 5
sec-Butylbenzene	100	< 5
Styrene	100	< 5
tert-Butylbenzene	100	< 5
Tetrachloroethene	1	< 5
Toluene	600	< 5
Total Xylenes	1,000	< 15
Trans-1,2-Dichloroethene	100	< 5

Loc ID	NJ Ground Water Quality Criteria	
Sample ID		FTMM-54-GW-296MW07
Sample Date		8/19/2013
Sample Round		61
Filtered		Total
Trans-1,3-Dichloropropene	1	< 5
Trichloroethene	1	< 5
Trichlorofluoromethane	2,000	< 5
Vinyl chloride	1	< 5
TIC VOCs (µg/l)		
Total TIC, Volatile	500	ND
Inorganics (µg/l)		
Aluminum	200	NA
Antimony	6	NA
Arsenic	3	NA
Barium	6,000	NA
Beryllium	1	NA
Cadmium	4	NA
Calcium	NLE	NA
Chromium	70	NA
Cobalt	100	NA
Copper	1,300	NA
Iron	300	NA
Lead	5	NA
Magnesium	NLE	NA
Manganese	50	NA
Nickel	100	NA
Potassium	NLE	NA
Selenium	40	NA
Silver	40	NA
Sodium	50,000	NA
Thallium	2	NA
Vanadium	NLE	NA
Zinc	2,000	NA
Inorganics (µg/l)		
Lead	5	< 5
Mercury (µg/l)		
Mercury	2	NA