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October 1, 2002

Mr. Joseph Jones
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7010

Re: New Cassel Industrial Area (Site No. 1-30-043)
Off-site Groundwater Monitoring and Assessment Program
Work Assignment No. D003600-25
D&B No. 1898

Dear Mr. Jones:

Enclosed please find the groundwater results from the fourth round of sampling of the four early warning wells (EW-1B, EW-1C, EW-2B and EW-2C) and the nine monitoring wells (MW-1 through MW-9) as part of the New Cassel Industrial Off-site Groundwater Monitoring and Assessment Program. The wells were sampled on July 16 through July 19, 2002. Figure 1 illustrates the locations of the wells. The groundwater sampling procedures, purge water parameter data, Data Usability Summary Report (DUSR) and analytical results are provided below.

Sampling Procedures

Sampling was conducted in accordance with the approved work plan. Prior to sampling, each monitoring well was purged to remove the standing water inside the well. A minimum of three casing volumes were removed to ensure that water being sampled was representative of the aquifer. The early warning wells were purged using dedicated submersible pumps and purging of the monitoring wells was accomplished using a decontaminated submersible pump. All purge water was discharged to the Nassau County sanitary sewer system with approval of the Nassau County Department of Public Works. For the monitoring wells, purging was accomplished by first measuring the static water level in the well and calculating the standing water volume. Water level measurements were collected using an electronic water level indicator. Water levels were not measured in the four early warning wells, since dedicated pumps are installed in these wells and the casings are not accessible. The depth to water at these locations was estimated based on water table elevation information in the study area.

During the purging process, pH, specific conductivity, temperature, turbidity, dissolved oxygen and redox potential (eH) were monitored at regular intervals. When the values of all field parameters, except turbidity, had stabilized to within 10 percent for two successive readings, and the turbidity of the water was less than 50 Nephelometric Turbidity Units (NTUs), and a minimum of three casing volumes had been removed, well purging was considered complete. Results for the parameters monitored during purging are summarized in Table 1. Measurements of the parameters collected immediately prior to sampling are shown on the Sample Information Records included as Attachment A.

After purging, groundwater samples were collected from the dedicated discharge tubing. Samples were collected at a maximum flow rate of approximately 1-gallon per minute. Samples for volatile organic compound (VOC) analyses were collected first, followed by the remaining parameters. Filled sample bottles were immediately placed into an ice-filled cooler for shipment under chain-of-custody procedures to Southwest Laboratory of Oklahoma, Inc. Samples were shipped to arrive at the laboratory within 48 hours after collection.

Appropriate quality assurance/quality control (QA/QC) samples, including matrix spike, matrix spike duplicate and trip blank samples, were collected in conformance with the approved work plan.

Decontamination of the submersible pump used for purging the nine monitoring wells was performed in accordance with procedures described in the approved QA/QC Plan.

Data Usability Summary Report

Thirteen groundwater samples were collected in July 2002 during the fourth round of sampling for the Groundwater Monitoring and Assessment Program. The samples were analyzed by Southwest Laboratory of Oklahoma, a laboratory contractor to the New York State Department of Environmental Conservation (NYSDEC). The samples were analyzed in accordance with the specified methods and NYSDEC Analytical Services Protocol (ASP) Quality Assurance/ Quality Control (QA/QC) requirements.

The data packages submitted by Southwest have been validated by Nancy Potak, a NYSDEC-approved data validator and subcontractor to Dvirka and Bartilucci Consulting Engineers. Validation was performed in accordance with NYSDEC ASP requirements. The findings of the validation process have been summarized below and copies of the validation reports prepared by Nancy Potak are available upon request.

Samples were analyzed within the method specified holding times based upon Validated Time of Sample Receipt (VTSR) with the exception of several reanalyses at secondary dilutions. The exceedance in holding times did not effect the end use of the data. All QA/QC requirements (i.e., initial and continuing calibrations, surrogate recoveries, spike recoveries, blanks) were met.

Several of the samples required reanalysis of the volatile fraction at further dilutions due to compound concentrations exceeding the instrument calibration range. The results for these compounds were taken from the diluted run and have been flagged with a "D" on the data summary table.

The initial analysis of three samples, MW-1, MW-2 and MW-3, were lost due to an instrument failure; therefore, the samples were reanalyzed. The reanalysis indicated that the samples required dilution due to compound concentrations exceeding the instrument calibration range. However, in order to obtain adequate volume for analysis, the two opened vials were combined, therefore, resulting in a loss of compounds and the compound concentrations from the diluted run were not comparable to the initial run. The data from the undiluted run is considered the best set and best correlates with the results from the previous three quarters.

No other problems were found with the data packages and all results have been deemed valid and usable for environmental assessment purposes as qualified above.

Analytical Results

The analytical results for the four early warning wells and the nine monitoring wells are summarized in Table 2 (VOCs) and Table 3 (inorganic parameters). The results are compared to previous sample results (Rounds 1, 2 and 3) and the NYSDEC Class GA Groundwater Standards and Guidance Values. A complete copy of the laboratory data package is enclosed for your files.

If you have any questions or require additional information, please contact me at (516) 364-9890.

Very truly yours,

for Keith S. Robins

KSR/RAP/ld
Enclosures
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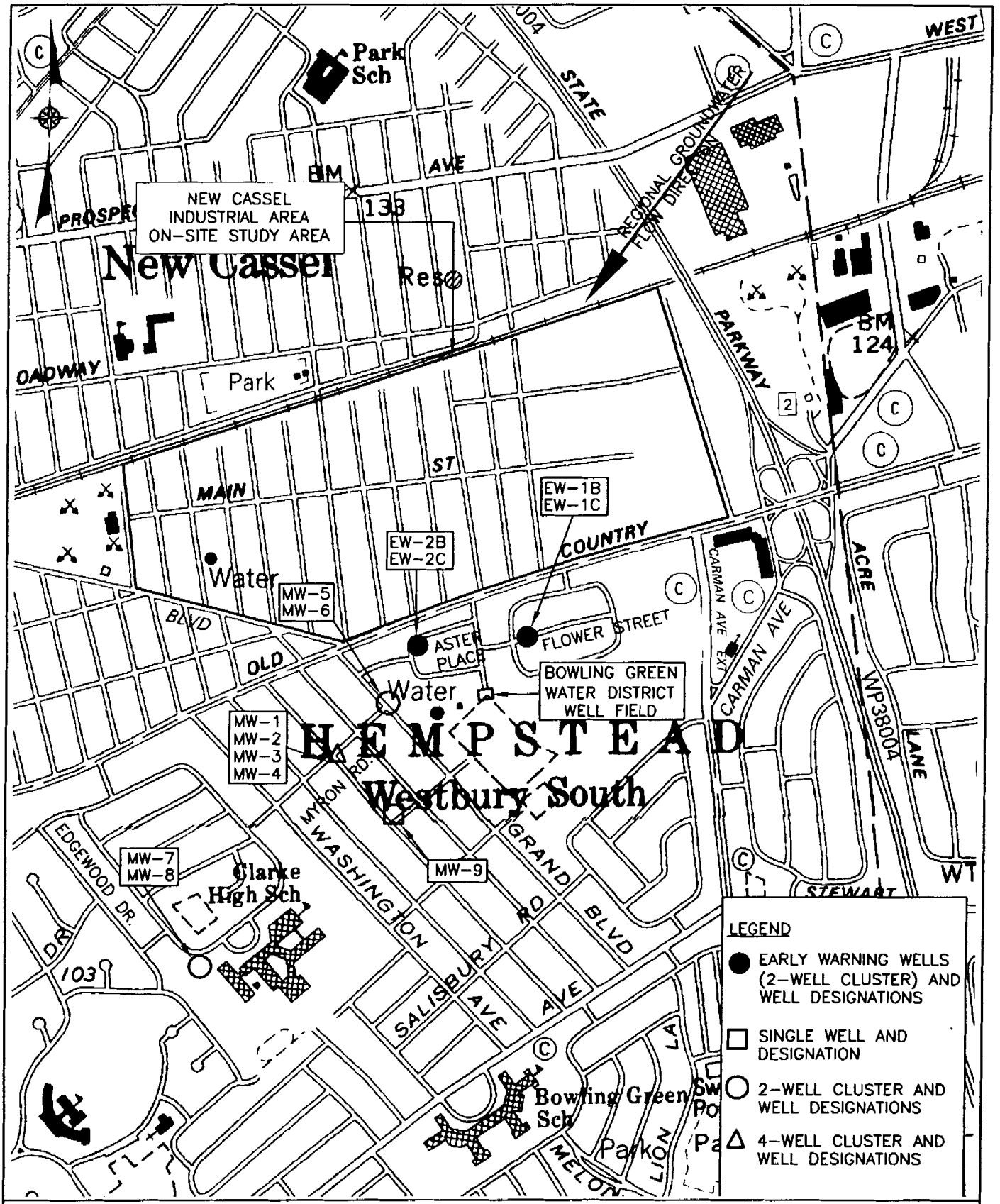

NEW CASSEL INDUSTRIAL AREA
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM

0 500 1000'

EARLY WARNING WELL AND MONITORING WELL LOCATIONS

Dvirka and Bartilucci
Consulting Engineers
A Division of William F. Cosulich Associates, P.C.

FIGURE 1

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Table 1

NEW CASSEL INDUSTRIAL AREA
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM
SUMMARY OF PURGE WATER PARAMETER DATA

Well Number	Gallons	pH (standard units)	Temperature (°C)	Specific Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	eH (mv)
EW-1B	Initial	6.27	17.9	0.309	16.5	4.84	227
	20	5.89	17.4	0.247	7.3	2.61	246
	40	5.60	17.2	0.247	8.0	1.40	289
	60	5.52	17.5	0.248	9.2	1.35	306
	80	5.58	17.3	0.250	6.5	1.40	303
	100	5.59	17.4	0.252	3.9	1.42	305
EW-1C	Initial	6.73	17.1	0.240	37	5.31	309
	150	8.17	14.7	0.134	81	4.93	316
	300	8.13	14.1	0.133	84	9.74	297
	450	7.27	13.7	0.133	23.8	10.32	248
	600	6.77	13.8	0.131	17.0	10.50	258
	750	6.43	13.7	0.130	16	11.67	265
	900	6.03	14.1	0.130	25	12.50	268
	1,050	6.09	13.6	0.128	9.1	11.08	260
	1,200	5.95	13.7	0.126	8.3	11.07	271
	1,350	5.99	14.3	0.125	14.1	11.06	262
	1,500	5.98	14.0	0.126	13.2	11.07	263
EW-2B	Initial	5.69	17.2	0.210	5.3	3.08	282
	20	5.54	17.1	0.208	3.9	2.10	327
	40	5.38	17.1	0.205	3.3	1.49	332
	60	5.47	16.9	0.203	3.0	1.67	328
	80	5.52	16.8	0.204	2.2	1.78	328
	100	5.49	16.8	0.205	3.4	1.74	330
EW-2C	Initial	5.31	17.7	0.153	63	3.80	286
	200	6.11	15.3	0.078	76	3.84	117
	400	6.16	14.4	0.067	184.0	11.65	231
	600	5.59	14.5	0.065	65	14.59	265
	800	5.80	14.3	0.065	35	14.48	264
	1,000	5.85	14.6	0.064	29	14.66	264
	1,200	5.84	14.4	0.064	28	14.71	264
	1,400	5.87	14.6	0.063	20	16.05	270
	1,600	5.88	14.3	0.064	26	16.06	267
MW-1	Initial	4.30	19.0	0.356	3.9	5.42	386
	10	4.73	18.4	0.354	3.8	5.94	286
	20	4.48	18.2	0.341	2.1	4.83	345
	30	4.65	17.9	0.340	1.5	4.87	352
	40	4.74	18.0	0.339	1.9	4.90	359
	50	4.73	18.0	0.338	1.9	4.90	358
	60	4.73	17.9	0.339	1.4	5.01	359
	70	4.73	18.0	0.339	0.9	4.99	358

Table 1 (continued)

NEW CASSEL INDUSTRIAL AREA
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM
SUMMARY OF PURGE WATER PARAMETER DATA

Well Number	Gallons	pH (standard units)	Temperature (°C)	Specific Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	eH (mv)
MW-2	Initial	5.30	17.3	0.283	2.7	2.57	330
	10	5.45	17.4	0.297	14.7	1.57	266
	20	5.43	17.1	0.297	7.3	1.80	261
	30	5.46	17.0	0.293	2.7	1.57	244
	40	5.45	17.3	0.291	2.6	1.37	239
	50	5.47	17.0	0.288	2.0	1.58	237
	60	5.47	17.0	0.288	1.1	1.30	230
	70	5.47	17.1	0.288	2.0	1.30	231
MW-3	Initial	4.50	18.3	0.119	7.8	1.93	179
	20	4.84	17.5	0.197	65.3	2.14	164
	40	5.04	17.5	0.220	17.1	1.80	152
	60	5.09	17.5	0.244	20.3	1.81	141
	80	5.09	17.5	0.246	23.3	2.86	146
MW-4	Initial	5.24	17.0	0.294	0.9	1.60	168
	50	5.33	18.2	0.294	1.4	1.32	187
	100	5.35	17.2	0.294	1.5	2.01	221
	150	5.37	17.5	0.292	1.8	2.00	225
	200	5.39	17.5	0.292	1.5	1.86	230
	250	5.37	17.7	0.293	1.1	1.92	231
	300	5.41	17.7	0.293	0.1	1.79	233
	350	5.41	18.0	0.293	0.9	1.75	233
MW-5	Initial	5.51	18.2	0.173	0.5	12.60	332
	10	5.65	17.5	0.295	9.0	12.64	350
	20	5.63	17.6	0.294	8.3	12.59	358
	30	5.68	17.6	0.327	2.1	12.34	360
	40	5.68	17.6	0.329	2.3	12.32	370
	50	5.68	17.6	0.328	7.0	12.32	370
MW-6	Initial	8.01	18.0	0.484	0.3	3.30	274
	20	7.13	17.2	0.493	12.1	1.20	286
	40	6.10	17.2	0.489	9.0	1.10	284
	60	5.86	17.4	0.491	7.6	1.14	276
	80	5.87	17.5	0.489	6.5	1.16	280
MW-7	Initial	5.55	16.3	0.223	29.5	9.11	353
	10	5.17	15.3	0.217	44.9	7.47	385
	20	5.04	15.1	0.215	5.3	7.76	403
	30	5.03	15.2	0.216	4.0	7.80	409
	40	5.02	15.2	0.219	3.4	7.76	407
	50	5.04	15.2	0.218	2.8	7.78	411
	60	5.05	15.3	0.216	3.1	7.77	413

Table 1 (continued)

NEW CASSEL INDUSTRIAL AREA
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM
SUMMARY OF PURGE WATER PARAMETER DATA

Well Number	Gallons	pH (standard units)	Temperature (°C)	Specific Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	eH (mv)
MW-8	Initial	5.70	13.9	0.245	143	5.91	25
	20	5.27	14.6	0.285	43	4.62	16
	40	5.18	14.5	0.261	30	5.09	8
	60	5.10	14.5	0.254	110	5.42	27
	80	5.09	14.4	0.250	44	5.68	35
	100	5.08	14.5	0.248	19	6.05	51
MW-9	Initial	7.90	17.9	0.208	8.2	14.15	186
	50	11.32	15.9	1.15	23.5	11.15	137
	100	11.35	15.9	0.870	12.1	10.84	139
	150	11.38	15.9	0.863	12.5	10.43	140
	200	11.29	15.6	0.735	13.3	10.40	148
	250	11.20	15.9	0.629	11.7	10.29	161
	300	10.95	16.0	0.443	13.5	9.81	132
	350	10.91	16.2	0.443	14.9	8.89	161
	400	10.54	15.3	0.282	14.2	6.46	183
	450	10.35	15.1	0.260	10.5	6.37	197
	500	10.16	15.0	0.233	9.0	6.80	206
	550	9.99	15.0	0.232	7.6	6.80	205
	600	10.00	15.0	0.233	7.5	6.81	207

Notes:

°C - degrees celsius
ms/cm - millisiemens/centimeter
NTUs - Nephelometric Turbidity Units
mv - millivolt
mg/l - milligrams per liter

TABLE 2
NEW CASSEL INDUSTRIAL AREA
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM
MONITORING WELL SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS

Sample Identification	EW-1B	EW-1B	EW-1B	EW-1B	EW-1C	EW-1C	Contract	NYSDEC Class GA
Sample Depth, ft	154-164	154-164	154-164	154-164	506-516	506-516	Required	Groundwater
Date of Collection	09/25/01	01/28/02	04/25/02	07/18/02	09/25/01	01/28/02	Detection	Standard or
Dilution Factor	1.0	50.0	50.0	60.2	1.0	1.0	Limit	Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	U	U	U	U	U	U	0.5	2 ST
Bromomethane	U	U	U	U	U	U	0.5	5 ST
Chloroethane	U	U	U	U	U	U	0.5	5 ST
Fluorotrichloromethane	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethene	39	45	39	38	U	U	0.5	5 ST
Methylene Chloride	U	26	U	U	U	U	0.5	5 ST
trans-1,2-Dichloroethene	0.6	U	U	0.8	U	U	0.5	5 ST
1,1-Dichloroethane	3.8	U	10	7	U	U	0.5	5 ST
2,2-Dichloropropane	**	U	U	U	U	U	0.5	5 ST
cis-1,2-Dichloroethene	58 **D	87	84 D	44 D	U	U	0.5	5 ST
Chloroform	U	U	0.3 J	U	U	U	0.5	7 ST
Bromochloromethane	U	U	U	U	U	U	0.5	5 ST
1,1,1-Trichloroethane	40	59	52 D	41 D	U	U	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	0.5	5 ST
1,2-Dichloroethane	U	U	U	U	U	U	0.5	0.6 ST
Trichloroethene	66 D	120	91 D	67 D	12	13	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U	U	U	U	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	0.5	5 ST
Tetrachloroethene	630 D	1000	780 D	640 D	U	0.6	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	U	U	U	U	U	U	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	0.5	5 ST
1,3-Dichlorobenzene	1.1	U	U	2	U	U	0.5	3 ST
1,4-Dichlorobenzene	0.7	U	0.8	0.9	U	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	0.5	5 ST
Methyl-tert-butyl ether	U	U	U	U	U	U	0.5	----
Benzene	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	U	U	0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	U	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	U	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
Total VOCs	839.2	1337	1037.1	840.7	12	13.6		----

QUALIFIERS:
U: Compound analyzed for but not detected
J: Compound found at a concentration below the CRDL, value estimated
**: Result reported as a sum of 2,2 -dichloropropane and cis-1,2-dichloroethene
E: Compound concentration exceeds instrument calibration range, value estimated
D: Result taken from reanalysis at a secondary dilution

NOTES:
* Value pertains to the sum of the isomers
ST: Standard
GV: Guidance Value
----: Not established
Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

TABLE 2 (continued)
NEW CASSEL INDUSTRIAL AREA
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM
MONITORING WELL SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS

Sample Identification	EW-1C	EW-1C	EW-2B	EW-2B	EW-2B	EW-2B	Contract	NYSDEC Class GA
Sample Depth, ft	506-516	506-516	132-142	132-142	132-142	132-142	Required	Groundwater
Date of Collection	04/25/02	07/18/02	09/25/01	01/28/02	04/25/02	07/19/02	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	5.0	5.0	5.0	Limit	Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	U	U	51 D	32	24	29	0.5	2 ST
Bromomethane	U	U	U	U	U	U	0.5	5 ST
Chloroethane	U	U	2.6	U	24	19	0.5	5 ST
Fluorotrichloromethane	U	U	0.6	U	U	U	0.5	5 ST
1,1-Dichloroethene	U	U	43 D	10	8	U	0.5	5 ST
Methylene Chloride	U	U	1.5	3 J	U	U	0.5	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethane	U	U	150 D	24	9	5	0.5	5 ST
2,2-Dichloropropane	U	U	**	U		U	0.5	5 ST
cis-1,2-Dichloroethene	U	U	36 **	25	19	18	0.5	5 ST
Chloroform	U	U	U	U	U	U	0.5	7 ST
Bromochloromethane	U	U	U	U	U	U	0.5	5 ST
1,1,1-Trichloroethane	U	U	85 D	16	8	5	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	0.5	5 ST
1,2-Dichloroethane	U	U	0.7	U	0.5	U	0.5	0.6 ST
Trichloroethene	15	13	140 D	130	100 D	84 D	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U	U	U	U	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	0.5	5 ST
Tetrachloroethene	5	U	20	21	17	21	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	U	U	1.3	U	U	U	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	U	U	0.5	U	U	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	0.5	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	0.5	5 ST
Methyl-tert-butyl ether	U	U	U	U	U	U	0.5	---
Benzene	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	U	U	0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	U	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	U	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
Total VOCs	20	13	532.2	281	209.5	181		---

QUALIFIERS:
U: Compound analyzed for but not detected
J: Compound found at a concentration below the CRDL, value estimated
**: Result reported as a sum of 2,2- dichloropropane and cis-1,2-dichloroethene
E: Compound concentration exceeds instrument calibration range, value estimated
D: Result taken from reanalysis at a secondary dilution
B: Compound found in the method blank as well as the sample

NOTES
*: Value pertains to the sum of the isomers
ST: Standard
GV: Guidance Value
---: Not established
Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

TABLE 2 (continued)
NEW CASSEL INDUSTRIAL AREA
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM
MONITORING WELL SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS

Sample Identification	EW-2C	EW-2C	EW-2C	EW-2C	MW-1	MW-1	Contract	NYSDEC Class GA
Sample Depth, ft	504-514	504-514	504-514	504-514	90-110	90-110	Required	Groundwater
Date of Collection	09/25/01	01/28/02	04/25/02	07/19/02	11/02/01	01/24/02	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	Limit	Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	U	U	U	U	U	U	0.5	2 ST
Bromomethane	U	U	U	U	U	U	0.5	5 ST
Chloroethane	U	U	U	U	U	U	0.5	5 ST
Fluorotrichloromethane	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethene	U	U	U	U	16	8	0.5	5 ST
Methylene Chloride	U	U	U	U	U	U	0.5	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethane	U	U	U	U	2.8	2	0.5	5 ST
2,2-Dichloropropane	U	U	U	U	**	U	0.5	5 ST
cis-1,2-Dichloroethene	U	U	U	U	1.1 **	1	0.5	5 ST
Chloroform	U	U	U	U	0.5	U	0.5	7 ST
Bromochloromethane	U	U	U	U	U	U	0.5	5 ST
1,1,1-Trichloroethane	U	U	U	U	7.8	4	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	0.5	5 ST
1,2-Dichloroethane	U	U	U	U	U	U	0.5	0.6 ST
Trichloroethene	U	U	U	U	21	16	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U	U	U	U	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	0.5	5 ST
Tetrachloroethene	U	U	U	1	4.1	3	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	U	U	U	U	U	U	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	0.5	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	0.5	5 ST
Methyl-tert-butyl ether	U	U	U	U	U	U	0.5	---
Benzene	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	U	U	0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	U	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	U	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
Total VOCs	0	0	0	1	53.3	34		---

QUALIFIERS:
U: Compound analyzed for but not detected
J: Compound found at a concentration below the CRDL, value estimated
**: Result reported as a sum of 2,2 -dichloropropane and cis-1,2-dichloroethene
E: Compound concentration exceeds instrument calibration range, value estimated
D: Result taken from reanalysis at a secondary dilution

NOTES:
*: Value pertains to the sum of the isomers
ST: Standard
GV: Guidance Value
---: Not established
Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

TABLE 2 (continued)
NEW CASSEL INDUSTRIAL AREA
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM
MONITORING WELL SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS

Sample Identification	MW-1	MW-1	MW-2	MW-2	MW-2	MW-2	Contract	NYSDEC Class GA
Sample Depth, ft	90-110	90-110	110-130	110-130	110-130	110-130	Required	Groundwater
Date of Collection	04/25/02	07/16/02	11/02/01	01/24/02	04/24/02	07/16/02	Detection	Standard or
Dilution Factor	2.0	1.0	1.0	1.0	25.0	1.0	Limit	Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	U	U	U	U	U	U	0.5	2 ST
Bromomethane	U	U	U	U	U	U	0.5	5 ST
Chloroethane	U	U	U	1	2	U	0.5	5 ST
Fluorotrichloromethane	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethene	28	24	540 D	440 D	480 D	190 E	0.5	5 ST
Methylene Chloride	U	U	1.9		U	U	0.5	5 ST
trans-1,2-Dichloroethene	U	U	U		U	U	0.5	5 ST
1,1-Dichloroethane	5	4	140 D	140 D	140 D	52 E	0.5	5 ST
2,2-Dichloropropane		U	**	U		U	0.5	5 ST
cis-1,2-Dichloroethene	3	3	48 **E	35	42 D	17	0.5	5 ST
Chloroform	U	1	5.2	2	4	2 B	0.5	7 ST
Bromochloromethane	U	U	U	U	U	U	0.5	5 ST
1,1,1-Trichloroethane	10 J	10	230 D	220 D	210 D	75 E	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	0.5	5 ST
1,2-Dichloroethane	U	U	2.2	U	2	U	0.5	0.6 ST
Trichloroethene	52 DJ	55 E	580 D	500 D	450 D	190 E	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	1.5	2	U	U	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	0.5	5 ST
Tetrachloroethene	9	9	49 JD	53 D	52 D	26	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	U	U	U	U	U	U	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	0.5	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	0.5	5 ST
Methyl-tert-butyl ether	U	U	U	U	U	U	0.5	----
Benzene	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	U	U	0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	U	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	U	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
Total VOCs	105	106	1597.8	1393	1382	552		---

QUALIFIERS:
U: Compound analyzed for but not detected
J: Compound found at a concentration below the CRDL, value estimated
**: Result reported as a sum of 2,2- dichloropropane and cis-1,2-dichloroethene
E: Compound concentration exceeds instrument calibration range, value estimated
D: Result taken from reanalysis at a secondary dilution
B: Compound found in the method blank as well as the sample

NOTES:
*: Value pertains to the sum of the isomers
ST: Standard
GV: Guidance Value
---: Not established
Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

TABLE 2 (continued)
NEW CASSEL INDUSTRIAL AREA
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM
MONITORING WELL SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS

Sample Identification	MW-3	MW-3	MW-3	MW-3	MW-4	MW-4	Contract	NYSDEC Class GA
Sample Depth, ft	130-150	130-150	130-150	130-150	180-200	180-200	Required	Groundwater
Date of Collection	11/02/01	01/24/02	04/24/02	07/16/02	11/02/01	01/24/02	Detection	Standard or
Dilution Factor	1.0	1.0	50.0	1.0	1.0	1.0	Limit	Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	U	U	U	U	U	U	0.5	2 ST
Bromomethane	U	U	U	U	U	U	0.5	5 ST
Chloroethane	0.7	1	U	1	0.7	1	0.5	5 ST
Fluorotrichloromethane	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethene	900 D	770 D	390 D	670 E	1100 D	750 D	0.5	5 ST
Methylene Chloride	7.1	U	50 D	3	8.9	U	0.5	5 ST
trans-1,2-Dichloroethene	0.5	U	U	U	0.8	U	0.5	5 ST
1,1-Dichloroethane	230 D	250 D	130 D	210 E	310 D	280 D	0.5	5 ST
2,2-Dichloropropane	**	U	--	U	**	U	0.5	5 ST
cis-1,2-Dichloroethene	54 **E	40	25 **D	40 E	82 **E	64 D	0.5	5 ST
Chloroform	5.7	3	U	U	2.4	3	0.5	7 ST
Bromochloromethane	U	U	U	4 B	U	U	0.5	5 ST
1,1,1-Trichloroethane	350 D	350 D	180 D	270 E	350 D	280 D	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	0.5	5 ST
1,2-Dichloroethane	5.1	U	U	U	7	U	0.5	0.6 ST
Trichloroethene	1200 D	1000 D	490 D	920 E	1000 D	790 D	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	2.1	2	U	2	3.6	3	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	0.5	5 ST
Tetrachloroethene	87 E	74 D	28 D	70 E	150 D	130 D	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	U	U	U	U	U	U	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	0.5	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	0.5	5 ST
Methyl-tert-butyl ether	U	U	U	U	U	U	0.5	----
Benzene	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	U	U	0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	U	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	U	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
Total VOCs	2822 2	2490	1273	2190	3015 4	2301		----

QUALIFIERS:
U: Compound analyzed for but not detected
J: Compound found at a concentration below the CRDL, value estimated
**: Result reported as a sum of 2,2 -dichloropropane and cis-1,2-dichloroethene
E: Compound concentration exceeds instrument calibration range, value estimated
D: Result taken from reanalysis at a secondary dilution

NOTES:
*: Value pertains to the sum of the isomers
ST: Standard
GV: Guidance Value
—: Not established
Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

TABLE 2 (continued)
NEW CASSEL INDUSTRIAL AREA
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM
MONITORING WELL SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS

Sample Identification	MW-4	MW-4	MW-5	MW-5	MW-5	MW-5	Contract	NYSDEC Class GA
Sample Depth, ft	180-200	180-200	90-110	90-110	90-110	90-110	Required	Groundwater
Date of Collection	04/24/02	07/16/02	11/05/01	01/24/02	04/25/02	07/17/02	Detection	Standard or
Dilution Factor	50.0	1/50	1.0	1.0	1.0	1.0	Limit	Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	U	U	U	U	U	U	0.5	2 ST
Bromomethane	U	U	U	U	U	U	0.5	5 ST
Chloroethane	U	2	U	U	U	U	0.5	5 ST
Fluorotrichloromethane	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethene	530 D	520 D	11	10	3	2	0.5	5 ST
Methylene Chloride	55 D	U	U	U	U	U	0.5	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethane	180 D	170 D	1.5	2	0.8	U	0.5	5 ST
2,2-Dichloropropane	**	U	U	U	U	U	0.5	5 ST
cis-1,2-Dichloroethene	43 **D	38 D	U	0.5	1	6	0.5	5 ST
Chloroform	U	37 BD	U	U	0.3 J	U	0.5	7 ST
Bromochloromethane	U	U	U	U	U	U	0.5	5 ST
1,1,1-Trichloroethane	180 D	170 D	15	15	4	3	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	0.5	5 ST
1,2-Dichloroethane	U	U	U	U	U	U	0.5	0.6 ST
Trichloroethene	550 D	480 D	2.5	2	2	1	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	U	4	U	U	U	U	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	0.5	5 ST
Tetrachloroethene	38 D*	77 D	3.7	16	25	19	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	U	U	U	U	U	U	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	0.5	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	0.5	5 ST
Methyl-tert-butyl ether	U	U	U	U	U	U	0.5	---
Benzene	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	U	U	0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	U	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	U	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
Total VOCs	1576	1498	33.7	45.5	36.1	31		---

QUALIFIERS:
U: Compound analyzed for but not detected
J: Compound found at a concentration below the CRDL, value estimated
**: Result reported as a sum of 2,2- dichloropropane and cis-1,2-dichloroethene
E: Compound concentration exceeds instrument calibration range, value estimated
D: Result taken from reanalysis at a secondary dilution
B: Compound found in the method blank as well as the sample
*: Sample result highly estimated, based on validation criteria

NOTES:
*: Value pertains to the sum of the isomers
ST: Standard
GV: Guidance Value
---: Not established
Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

TABLE 2 (continued)
NEW CASSEL INDUSTRIAL AREA
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM
MONITORING WELL SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS

Sample Identification	MW-6	MW-6	MW-6	MW-6	MW-7	MW-7	Contract	NYSDEC Class GA
Sample Depth, ft	110-130	110-130	110-130	110-130	90-110	90-110	Required	Groundwater
Date of Collection	11/05/01	01/25/02	04/25/02	07/17/02	11/05/01	01/25/02	Detection	Standard or
Dilution Factor	1.0	1.0	10.0	1/5	1.0	1.0	Limit	Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	U	U	U	U	U	U	0.5	2 ST
Bromomethane	U	U	U	U	U	U	0.5	5 ST
Chloroethane	U	U	U	U	U	U	0.5	5 ST
Fluorotrichloromethane	U	U	1 J	U	U	U	0.5	5 ST
1,1-Dichloroethene	**270 D**	**72 D**	**100 D**	**99 D**	U	0.5	0.5	5 ST
Methylene Chloride	1.3	U	U	5 D	U	U	0.5	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethane	**52 D**	**36**	**33**	**29**	0.7	1	0.5	5 ST
2,2-Dichloropropane	**	U	**	U	**	U	0.5	5 ST
cis-1,2-Dichloroethene	**22 ****	**13**	**9 ****	**9**	**23 ****	**18**	0.5	5 ST
Chloroform	1.1	U	1	U	U	U	0.5	7 ST
Bromochloromethane	U	U	U	U	U	U	0.5	5 ST
1,1,1-Trichloroethane	**240 D**	**89 D**	**96 D**	**90 D**	U	0.5	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	0.5	5 ST
1,2-Dichloroethane	**0.6**	U	U	U	U	U	0.5	0.6 ST
Trichloroethene	**93 D**	**54 D**	**43**	**51 D**	2	3	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U	U	U	U	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	0.5	5 ST
Tetrachloroethene	**80 D**	**37 D**	**68 E**	**47 D**	**5.2**	**6**	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	U	U	U	U	U	U	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	0.5	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	1 B	U	U	U	U	U	0.5	5 ST
Methyl-tert-butyl ether	U	U	U	U	U	U	0.5	....
Benzene	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	U	U	0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	U	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	U	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
Total VOCs	761.2	301	351	330	30.9	29		---

QUALIFIERS:
U: Compound analyzed for but not detected
J: Compound found at a concentration below the CRDL, value estimated
**: Result reported as a sum of 2,2- dichloropropane and cis-1,2-dichloroethene
E: Compound concentration exceeds instrument calibration range, value estimated
D: Result taken from reanalysis at a secondary dilution
B: Compound found in the method blank as well as the sample

NOTES:
*: Value pertains to the sum of the isomers
ST: Standard
GV: Guidance Value
---: *Not established*
Bold indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

TABLE 2 (continued)
NEW CASSEL INDUSTRIAL AREA
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM
MONITORING WELL SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS

Sample Identification	MW-7	MW-7	MW-8	MW-8	MW-8	MW-8	Contract	NYSDEC Class GA
Sample Depth, ft	90-110	90-110	120-140	120-140	120-140	120-140	Required	Groundwater
Date of Collection	04/24/02	07/16/02	11/05/01	01/25/02	04/24/02	07/17/02	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	Limit	Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	U	U	U	U	U	U	0.5	2 ST
Bromomethane	U	U	U	U	U	U	0.5	5 ST
Chloroethane	U	U	U	U	U	U	0.5	5 ST
Fluorotrichloromethane	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethene	0.7	2	U	0.8	U	0.5	0.5	5 ST
Methylene Chloride	U	U	U	0.6	U	U	0.5	5 ST
trans-1,2-Dichloroethene	U	U	U	U	0.9	U	0.5	5 ST
1,1-Dichloroethane	1	2	1.3	2	2	1	0.5	5 ST
2,2-Dichloropropane	**	U	**	U	**	U	0.5	5 ST
cis-1,2-Dichloroethene	15 **	18	17 **	2	2 **	2	0.5	5 ST
Chloroform	U	U	U	U	U	U	0.5	7 ST
Bromochloromethane	U	U	U	U	U	U	0.5	5 ST
1,1,1-Trichloroethane	0.6	2	0.7	0.7	0.8	D	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	0.5	5 ST
1,2-Dichloroethane	U	U	U	U	U	U	0.5	0.6 ST
Trichloroethene	3	8	1.1	2	U	0.8	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U	U	U	U	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	0.5	5 ST
Tetrachloroethene	4	6	1.1	1	1	0.8	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	U	U	U	U	U	U	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	0.5	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	0.5	5 ST
Methyl-tert-butyl ether	U	2	U	U	U	U	0.5	—
Benzene	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	U	U	0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	U	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	U	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	0.5	5 ST
Total VOCs	24.3	40	5.9	9.1	8.7	5.1		—

QUALIFIERS:
U: Compound analyzed for but not detected
J: Compound found at a concentration below the CRDL, value estimated
**: Result reported as a sum of 2,2- dichloropropane and cis-1,2-dichloroethene
E: Compound concentration exceeds instrument calibration range, value estimated
D: Result taken from reanalysis at a secondary dilution
B: Compound found in the method blank as well as the sample
U*: Result qualified as non-detect based on validation criteria

NOTES:
*: Value pertains to the sum of the isomers
ST: Standard
GV: Guidance Value
—: Not established
Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

TABLE 2 (continued)
NEW CASSEL INDUSTRIAL AREA
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM
MONITORING WELL SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS

Sample Identification	MW-9						Contract Required Detection Limit	NYSDEC Class GA Groundwater Standard or Guidance Value
Sample Depth, ft	315							
Date of Collection	07/17/02							
Dilution Factor	1.0							
Units	(ug/l)						(ug/l)	(ug/l)
Dichlorodifluoromethane	U						0.5	5 ST
Chloromethane	U						0.5	5 ST
Vinyl Chloride	U						0.5	2 ST
Bromomethane	U						0.5	5 ST
Chloroethane	U						0.5	5 ST
Fluorotrichloromethane	U						0.5	5 ST
1,1-Dichloroethene	1						0.5	5 ST
Methylene Chloride	U						0.5	5 ST
trans-1,2-Dichloroethene	U						0.5	5 ST
1,1-Dichloroethane	U						0.5	5 ST
2,2-Dichloropropane	**						0.5	5 ST
cis-1,2-Dichloroethene	0.8 **						0.5	5 ST
Chloroform	U						0.5	7 ST
Bromochloromethane	U						0.5	5 ST
1,1,1-Trichloroethane	2						0.5	5 ST
1,1-Dichlorpropene	U						0.5	5 ST
Carbon Tetrachlonde	U						0.5	5 ST
1,2-Dichloroethane	U						0.5	0.6 ST
Trichloroethene	15						0.5	5 ST
1,2-Dichloropropane	U						0.5	1 ST
Bromodichloromethane	U						0.5	50GV
Dibromomethane	U						0.5	5 ST
cis-1,3-Dichloropropene	U						0.5	0.4 ST *
trans-1,3-Dichloropropene	U						0.5	0.4 ST *
1,1,2-Trichloroethane	U						0.5	1 ST
1,3-Dichloropropane	U						0.5	5 ST
Tetrachloroethene	1						0.5	5 ST
Dibromochloromethane	U						0.5	50GV
Chlorobenzene	U						0.5	5 ST
1,1,1,2-Tetrachloroethane	U						0.5	5 ST
Bromoform	U						0.5	50GV
1,1,2,2-Tetrachloroethane	U						0.5	5 ST
1,2,3-Trichloropropane	U						0.5	0.04 ST
Bromobenzene	U						0.5	5 ST
1,3-Dichlorobenzene	U						0.5	3 ST
1,4-Dichlorobenzene	U						0.5	3 ST
1,2-Dichlorobenzene	U						0.5	3 ST
1,2,4-Trichlorobenzene	U						0.5	5 ST
Hexchlorobutadiene	U						0.5	0.5 ST
1,2,3-Trichlorobenzene	U						0.5	5 ST
Methyl-tert-butyl ether	U						0.5	----
Benzene	U						0.5	1 ST
Toluene	U						0.5	5 ST
Ethylbenzene	U						0.5	5 ST
m-Xylene	U						0.5	5 ST
p-Xylene	U						0.5	5 ST
o-Xylene	U						0.5	5 ST
Styrene	U						0.5	5 ST
Isopropylbenzene (Cumene)	U						0.5	5 ST
n-Propylbenzene	U						0.5	5 ST
1,3,5-Trimethylbenzene	U						0.5	5 ST
2-Chlorotoluene	U						0.5	5 ST
4-Chlorotoluene	U						0.5	5 ST
tert-Butylbenzene	U						0.5	5 ST
1,2,4-Trimethylbenzene	U						0.5	5 ST
sec-Butylbenzene	U						0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U						0.5	5 ST
n-Butylbenzene	U						0.5	5 ST
Total VOCs	19.8							----

QUALIFIERS:
U: Compound analyzed for but not detected
J: Compound found at a concentration below the CRDL, value estimated
**: Result reported as a sum of 2,2- dichloropropane and cis-1,2-dichloroethene
E: Compound concentration exceeds instrument calibration range, value estimated
D: Result taken from reanalysis at a secondary dilution
B: Compound found in the method blank as well as the sample

NOTES:
*: Value pertains to the sum of the isomers
ST: Standard
GV: Guidance Value
----: Not established
Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

TABLE 3
NEW CASSEL INDUSTRIAL AREA
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM
MONITORING WELL SAMPLE RESULTS
INORGANIC PARAMETERS

Sample Identification	EW-1B	EW-1B	EW-1B	EW-1B	EW-1C	EW-1C	EW-1C	EW-1C	EW-2B	Contract Required Detection Limit	NYSDEC Class GA Groundwater Standard or Guidance Value
Sample Depth, ft	154-164	154-164	154-164	154-164	506-516	506-516	506-516	506-516	132-142		
Date of Collection	09/25/01	01/28/02	04/25/02	07/19/02	09/25/01	01/28/02	04/25/02	07/19/02	09/25/01		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Ferrous Iron*	U	**0.445**	U	0.038 B	0.157	U	0.248	**0.316**	U	0.05	0.3 ST**
Total Organic Carbon	U	1.1	2	2.7	U	U	U	1.400	U	5	---
Alkalinity	20.6	18	20	18	10.2	10	12	11.0	15	10	---
Chloride	26.9	31.9	33.5	31.2	9.81	13.3	13.6	13.7	30.3	3	250 ST
Nitrate	6.071	6.3	6	6.4	5.591	6	6	6.3	2.194	0.05	10 ST
Sulfate	21.9	23.5	23.1	21.9	U	2.3	1.4	U	17.1	5	250 ST
Carbon Dioxide	79.8	60	U	64	72.9	13	14	17	60.6	NA	---
Methane	0.005	U	U	U	0.009	U	U	U	0.11	0.002	---

Sample Identification	EW-2B	EW-2B	EW-2B	EW-2C	EW-2C	EW-2C	EW-2C	MW-1	MW-1	Contract Required Detection Limit	NYSDEC Class GA Groundwater Standard or Guidance Value
Sample Depth, ft	132-142	132-142	132-142	504-514	504-514	504-514	504-514	90-110	90-110		
Date of Collection	01/28/02	04/25/02	07/19/02	09/25/01	01/28/02	04/25/02	07/19/02	11/02/01	01/24/02		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Ferrous Iron*	U	U	U	**0.339**	**0.858**	**0.551**	U	U	U	0.05	0.3 ST**
Total Organic Carbon	1	1.2	2	U	1.4	U	U	U	4.1	5	---
Alkalinity	14	14	13	10.6	10	10	10	10	U	10	---
Chloride	35.8	35.9	36.8	4.11	7	6.8	6.8	38.8	48.9	3	250 ST
Nitrate	2.2	2.1	2.3	1.773	1.9	1.9	1.9	5.553	4.1	0.05	10 ST
Sulfate	12.4	9.7	9.5	U	2.7	1.5	U	24.2	26	5	250 ST
Carbon Dioxide	60	56	67	17.4	13	10	14	66.3	78	NA	---
Methane	12.4	0.004 J	0.056	0.007	U	0.074	U	0.004	U	0.002	---

QUALIFIERS:
U: Compound analyzed for but not detected
NA: Not Available
B: Concentration was above IDL but less than CRDL

NOTES:
ST: Standard
---: Not established
*: Sample analyzed for Total Iron instead of Ferrous Iron
**: Standard applies to Total Iron
0.445: Indicates value exceeds NYSDEC Class GA Groundwater Standard or Guidance Value

TABLE 3
NEW CASSEL INDUSTRIAL AREA
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM
MONITORING WELL SAMPLE RESULTS
INORGANIC PARAMETERS

Sample Identification	MW-1	MW-1	MW-2	MW-2	MW-2	MW-2	MW-3	MW-3	MW-3	Contract Required Detection Limit	NYSDEC Class GA Groundwater Standard or Guidance Value
Sample Depth, ft	90-110	130-150	110-130	110-130	110-130	110-130	130-150	130-150	130-150		
Date of Collection	04/24/02	07/16/02	11/02/01	01/24/02	04/24/02	07/16/02	11/02/01	01/24/02	04/24/02		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Ferrous Iron*	U	U	U	**0.474**	0.265	0.254	U	**7.58**	**5.03**	0.05	0.3 ST**
Total Organic Carbon	1.9	2.1	U	3.5	2.7	2.6	5.505	4.3	2.7	5	---
Alkalinity	11	U	22	25	27	27	18	27	18	10	---
Chloride	50	59.7	33.5	37.5	37	36.6	36	39.9	35.7	3	250 ST
Nitrate	4.5	5.3	6.813	6.7	7	5.1	6.505	4.4	4.9	0.05	10 ST
Sulfate	27.3	29.4	20.9	22.8	22.5	18.9	21.1	12.4	17.2	5	250 ST
Carbon Dioxide	66	U	408	62	62	83	369	71	72	NA	---
Methane	U	U	0.013	U	U	0.042	1.2	0.097	0.11	0.002	---

Sample Identification	MW-3	MW-4	MW-4	MW-4	MW-4	MW-5	MW-5	MW-5	MW-5	Contract Required Detection Limit	NYSDEC Class GA Groundwater Standard or Guidance Value
Sample Depth, ft	130-150	180-200	180-200	180-200	180-200	90-110	90-110	90-110	90-110		
Date of Collection	07/16/02	11/02/01	01/24/02	04/24/02	07/16/02	11/05/01	01/25/02	04/26/02	07/17/02		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Ferrous Iron*	**3.95**	U	**0.5**	U	U	U	**0.618**	U	U	0.05	0.3 ST**
Total Organic Carbon	2.3	6.309	2.8	2.9	2.4	U	4.1	1	1.8	5	---
Alkalinity	15	22.0	20	22	19	16	13	15	17	10	---
Chloride	37.6	45.7	47.4	46.8	46.9	43.6	53.1	62.7	66.7	3	250 ST
Nitrate	5.1	8.177	9.1	8.9	9.2	3.744	3.7	3.9	4.9	0.05	10 ST
Sulfate	18.9	U	2	2.3	4.4	29.2	25.7	26.6	20.5	5	250 ST
Carbon Dioxide	83	466	68	73	71	53.1	44	31	49	NA	---
Methane	0.14	0.013	U	U	0.002	0.009	U	U	U	0.002	---

QUALIFIERS:
U: Compound analyzed for but not detected
NA: Not Available
B: Concentration was above IDL but less than CRDL

NOTES:
ST: Standard
---: Not established
*: Sample analyzed for Total Iron instead of Ferrous Iron
**: Standard applies to Total Iron
Bold: Indicates Value exceeds NYSDEC Class GA Groundwater Standard or Guidance Value

TABLE 3
NEW CASSEL INDUSTRIAL AREA
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM
MONITORING WELL SAMPLE RESULTS
INORGANIC PARAMETERS

Sample Identification	MW-6	MW-6	MW-6	MW-6	MW-7	MW-7	MW-7	MW-7	MW-8	Contract Required Detection Limit	NYSDEC Class GA Groundwater Standard or Guidance Value
Sample Depth, ft	110-130	110-130	110-130	110-130	90-110	90-110	90-110	90-110	120-140		
Date of Collection	11/05/01	01/25/02	04/26/02	07/17/02	11/05/01	01/25/02	04/24/02	07/16/02	11/05/01		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Ferrous Iron*	U	U	0.0457 B	0.0609 B	U	0.0693 B	U	U	U	0.05	0.3 ST**
Total Organic Carbon	U	4.4	2	1.9	U	3.4	1.1	1.4	12.2	5	---
Alkalinity	32	27	27	24	U	U	U	U	14	10	---
Chloride	117	102	99	101	18.8	21.8	21.5	22.7	22.9	3	250 ST
Nitrate	4.885	5.1	4.7	5.2	5.913	6	5.6	6.3	5.049	0.05	10 ST
Sulfate	29.1	30.9	26.4	21.3	31	33.8	28.4	31.1	32.7	5	250 ST
Carbon Dioxide	392	57	53	62	158	81	U	U	56.2	NA	---
Methane	0.007	U	U	U	0.007	U	U	U	0.007	0.002	---

Sample Identification	MW-8	MW-8	MW-8	MW-9						Contract Required Detection Limit	NYSDEC Class GA Groundwater Standard or Guidance Value
Sample Depth, ft	120-140	120-140	120-140	315							
Date of Collection	01/25/02	04/24/02	07/17/02	07/17/02							
Dilution Factor	1.0	1.0	1.0	1.0							
Units	(mg/l)	(mg/l)	(mg/l)	(mg/l)						(mg/l)	(mg/l)
Ferrous Iron*	10.7	18.2	13.2	0.027 B						0.05	0.3 ST**
Total Organic Carbon	6.9	4.4	2.2	1.9						5	---
Alkalinity	38	53	42	24						10	---
Chloride	26.1	25.9	24.7	101						3	250 ST
Nitrate	2.8	3.4	1.7	5.2						0.05	10 ST
Sulfate	27.9	22.8	19.6	21.3						5	250 ST
Carbon Dioxide	U	48	52	62						NA	---
Methane	U	0.22	0.16	U						0.002	---

QUALIFIERS:
U: Compound analyzed for but not detected
NA: Not Available
B: Concentration was above IDL but less than CRDL

NOTES:
ST: Standard
---: Not established
*: Sample analyzed for Total Iron instead of Ferrous Iron
**: Standard applies to Total Iron
: Indicates Value exceeds NYSDEC Class GA Groundwater Standard or Guidance Value

ATTACHMENT A

SAMPLE INFORMATION RECORDS

Dvirka and Bartilucci
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F COSULICH ASSOCIATES, P.C.

Date: 7/16/02

SAMPLE INFORMATION RECORD

Site: New Castel Industrial Area **Sample Crew:** James Milligan / Al Jaroszewski

Sample Location/Well No. MW-1

Field Sample I.D. Number NC-MW-1 (110) **Time** ~~1225~~ 0935

Weather Sunny Clear **Temperature** 80-85 °F

Sample Type:

Groundwater X **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 54.13 FT **Measurement Method** Water Level Indicator

Depth of Well 110 FT **Measurement Method** Water Level Indicator

Volume Removed 70 Gallons **Removal Method** 2 Inch grundfos pump

Field Test Results

Color None, clear **pH** 4.73 **Odor** None

Temperature (°C ~~°F~~) 18.7 **Specific Conductance (~~umhos/cm~~ mS/cm)** 0.339

Other (OVA, Methane Meter, etc. Dissolved oxygen = 4.99 (mg/L) Eh = 358 (mV)

Turbidity (NTU) 0.9

Constituents Sampled

VOC, TOC	Chloride, Alkalinity	Carbon ~~Bicarbonate~~ Dioxide	
Methane, ferrous Iron	Nitrate, Sulfate	~~Sulfate~~	

Remarks:

Purge water discharged to Nassau County Sewer System.
Sample Collected off disposable discharge hose from the pump
GPM = 2.0

Well Casing Volumes

GAL/FT	1¼" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1½ = 0.10	2½ " = 0.24	3½ = 0.50	6" = 1.46

Dvirka and Bartilucci
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: 7/16/02

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** James Milligan / Al Troszewski

Sample Location/Well No. MW-2

Field Sample I.D. Number NC-MW-2 (130) **Time** 1025

Weather Sunny Clear **Temperature** 80-85 °F

Sample Type:

Groundwater X **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 54.21 FT **Measurement Method** Water level meter

Depth of Well 130 FT **Measurement Method** Water Level meter

Volume Removed 70 Gallons **Removal Method** 2" grundfos pump

Field Test Results

Color Clear **pH** 5.47 **Odor** none

Temperature (~~°F~~ °C) 17.1 **Specific Conductance** (~~umhos/cm~~ mS/cm) 0.288

Other (OVA, Methane Meter, etc. Dissolved oxygen = 1.30 (mg/L) Eh = 271 (mV)
Turbidity (NTU): 2.0

Constituents Sampled

VOCs, TOC | Chloride, Alkalinity | Carbon ~~Disulfide~~ Dioxide | _____
Methane, Ferrous Iron | Nitrate, Sulfate | Methane | _____

Remarks:

Purge Water discharged into Nassau County Sewer System.
Sample Collected off disposable discharge hose from the pump
GPM = 4

Well Casing Volumes

GAL/FT	1¼" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1½ = 0.10	2½ " = 0.24	3½ = 0.50	6" = 1.46

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CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: 7/16/02

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area Sample Crew: James Milligan / Al Jaroszewski

Sample Location/Well No. MW-3

Field Sample I.D. Number NC-MW-3 (150) Time 1130

Weather Sunny Clear Temperature 80°-85°F

Sample Type:

Groundwater X Sediment _____

Surface Water/Stream _____ Air _____

Soil _____ Other (describe, i.e. water, septage, etc.) _____

Well Information (fill out for groundwater samples)

Depth to Water 54.27 Ft Measurement Method Water Level Indicator

Depth of Well 150 Ft Measurement Method Water Level Indicator

Volume Removed 80 Gallons Removal Method _____

Field Test Results

Color Clear pH 5.09 Odor None

Temperature (~~°F~~ °C) 17.5 Specific Conductance (~~umhos/cm~~ mS/cm) 0.246

Other (OVA, Methane Meter, etc. Dissolved oxygen = 2.86 (mg/L) Eh = 146 (mV)

Turbidity 23.3 NTU

Constituents Sampled

VOC Chloride methane Total Organic Carbon _____

Alkalinity Nitrate, Sulfate Ferrous Iron, Carbon dioxide _____

Remarks:

Purge water discharged to Nassau County Sewer System

Sample Collected off discharge hose from the pump

Well Casing Volumes

GAL/FT	1¼" = 0.077	~~2" = 0.16~~	3" = 0.37	4" = 0.65
	1½ = 0.10	2½ " = 0.24	3½ = 0.50	6" = 1.46

Dvirka and Bartilucci CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: 7/10/92

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** Jane Milligan/Al Jaworski

Sample Location/Well No. MW-4

Field Sample I.D. Number NC-MW-4 (202) **Time** 1230

Weather Sunny Clear **Temperature** 80-85 °F

Sample Type:

Groundwater X **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 54.66 Ft **Measurement Method** Water Level Indicator

Depth of Well 200 Ft **Measurement Method** Water Level Indicator

Volume Removed 350 Gallons **Removal Method** 2 Inch Grundfos Pump

Field Test Results

Color None, Clear **pH** 5.41 **Odor** None

Temperature (°F) 18.0 **Specific Conductance (~~umhos~~ mS/cm)** 0.293

Other (OVA, Methane Meter, etc. Dissolved oxygen = 1.75 (mg/L) Eh = 233 (mV)
Turbidity (NTU): 0.9

Constituents Sampled

VOC, TOC	Chloride, Alkalinity	Carbon Dioxide	
Methane, Ferrous Iron	Nitrate, Sulfate		

Remarks:

Purge water discharged into Nassau County Sewer System
Safe Glocked off discharge hose from the pump.
GPM = 5

Well Casing Volumes

GAL/FT				
	1¼" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1½ = 0.10	2½ " = 0.24	3½ = 0.50	6" = 1.46

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CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: 7/17/02

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** James Milligan, Al Jaroszewski

Sample Location/Well No. MW-5

Field Sample I.D. Number NC-MW-5 (110) **Time** 1320

Weather Sunny **Temperature** 85°

Sample Type:

Groundwater X **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 55.77 (ft) **Measurement Method** water level indicator

Depth of Well 110 (ft) **Measurement Method** water level indicator

Volume Removed 50 Gallons **Removal Method** 2" inch grundfus pump

Field Test Results

Color Clear **pH** 5.68 **Odor** No odor

Temperature (~~°F~~) °C 17.6 **Specific Conductance** (~~umhos/cm~~) µS/cm 0.328

Other (OVA, Methane Meter, etc. Turbidity: 7.0 Dissolved Oxygen: 12.32 Eh 370, GPM 2

Constituents Sampled

VOC, TOC | Chloride, Alkalinity | Carbon Dioxide | _____

Methane | Nitrate, Sulfate | Ferrous Iron | _____

Remarks:

Purge water discharged into Nassau County Sewer System

Sample collected off disposable discharge hose from the pump

Well Casing Volumes

GAL/FT	1¼" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1½ = 0.10	2½ " = 0.24	3½ = 0.50	6" = 1.46

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A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: 7/17/02

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** Jim Milligan, Al Jaroszewski

Sample Location/Well No. MW-6

Field Sample I.D. Number NC-MW-6 (130) **Time** 1215

Weather Sunny **Temperature** 85°

Sample Type:

Groundwater X **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 55.84 (ft) **Measurement Method** water level Indicator

Depth of Well 130 (ft) **Measurement Method** water level Indicator

Volume Removed 80 Gallons **Removal Method** 2 inch grundfos Pump

Field Test Results

Color Clear **pH** 5.87 **Odor** No odor

Temperature ~~(°F)~~ °C 17.5 **Specific Conductance** (~~umhos/cm~~ µs/cm) .489

Other (OVA, Methane Meter, etc. Turbidity: 6.5 Dissolved Oxygen: 1.16
Eh: 280 GPM: 2

Constituents Sampled

VOC, TOC Chloride, Alkalinity Carbon Dioxide _____
Methane, ferrous Iron Nitrate, Sulfate _____ _____

Remarks:

Purge water discharged into Nassau County Sewer system
Sample collected off disposable discharge hose from the pump

Well Casing Volumes

GAL/FT	1¼" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1½ = 0.10	2½ " = 0.24	3½ = 0.50	6" = 1.46

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A DIVISION OF WILLIAM F COSULICH ASSOCIATES, P.C.

Date: 7/16/02

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area Sample Crew: James Milligan / Al Jaroszewski

Sample Location/Well No. MW-7

Field Sample I.D. Number NC-MW-7(110) Time 1330

Weather Sunny Clear Temperature 80 - 85 °F

Sample Type:

Groundwater X Sediment

Surface Water/Stream Air

Soil Other (describe, i.e. water, septage, etc.)

Well Information (fill out for groundwater samples)

Depth to Water 48.18 Ft Measurement Method Water Level Indicator

Depth of Well 110 Ft Measurement Method Water Level Indicator

Volume Removed 60 Gallons Removal Method

Field Test Results

Color None, Clear pH 5.05 Odor None

Temperature (°~~F~~C) 15.3 Specific Conductance (~~umhos/cm~~ mS/cm) 0.216

Other (OVA, Methane Meter, etc. Dissolved Oxygen 7.77 (mg/L) Turbidity 3.1 (NTU)

Eh = 413 (mV)

Constituents Sampled

VOCs	Chloride, methane	TOC	Carbon dioxide
Alkalinity	Nitrate, Sulfate	Ferrous Iron	

Remarks:

Purge water discharged to Nassau County Sewer System

Sample Collected w/ disposable Tubing

GPM = 2.0

Well Casing Volumes

GAL/FT	1¼" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1½ = 0.10	2½" = 0.24	3½ = 0.50	6" = 1.46

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CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: 7/17/02

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** James Milligan, Al Jaroszewski

Sample Location/Well No. MW-8

Field Sample I.D. Number NC-MW-8-(140) **Time** 09.30

Weather Sunny **Temperature** 85°

Sample Type:

Groundwater X **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 48.45 (ft) **Measurement Method** water level Indicator

Depth of Well 140 (ft) **Measurement Method** water level Indicator

Volume Removed 80 Gallons **Removal Method** 2" inch submersable groundhog

Field Test Results

Color Clear **pH** 5.99 **Odor** No odor

Temperature (~~°F~~) °C 15.7 **Specific Conductance (~~umhos/cm~~) mg/cm** 0.260

Other (OVA, Methane Meter, etc. Turbidity: 14.0 Dissolved Oxygen: Eh: 31 GPM = 2

Constituents Sampled

VOC, TOC Chloride, Alkalinity Carbon Dioxide _____

Methane, ferrous Iron Nitrate, Sulfate _____ _____

Remarks:

Purge water discharged into Nassau County sewer system

Sample collected off disposable discharge hose from the pump

Well Casing Volumes

GAL/FT	1¼" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1½ = 0.10	2½ " = 0.24	3½ = 0.50	6" = 1.46

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Date: 7/17/02

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** James Mangan / Al Jarvinski

Sample Location/Well No. MW-9

Field Sample I.D. Number NC-MW-9(315) **Time** 1110

Weather Sunny Clear **Temperature** 80-85 °F

Sample Type:

Groundwater X **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 52.25 Ft **Measurement Method** Water level Meter

Depth of Well 315 Ft **Measurement Method** Water Level Meter

Volume Removed 600 Gallons **Removal Method** _____

Field Test Results

Color Non, Clear **pH** 10.00 **Odor** None

Temperature (~~°F~~ °C) 15.0 **Specific Conductance (~~umhos/cm~~ mS/cm)** 0.233

Other (OVA, Methane Meter, etc. Dissolved oxygen = 6.81 (mg/L) Eh = 227 (mV)
Turbidity = 7.5 (NTU)

Constituents Sampled

VOC, TOC | Chloride, Alkalinity | Carbon Dioxide | _____
Methane Ferrous Iron | Nitrate, Sulfate | _____ | _____

Remarks:

Sample Collected off disposable Tubing
PH. might be high due to Dirty PH Probe

Well Casing Volumes

GAL/FT				
	1¼" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1½ = 0.10	2½ " = 0.24	3½ = 0.50	6" = 1.46

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Date: 7/19/02

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Sample Crew: J. Milligan, J. Schaf

Sample Location/Well No. EW-2C

Field Sample I.D. Number NC-MW-EW-2C (514) Time 1055

Weather Sunny Hazy 90° Temperature 90°

Sample Type:

Groundwater X Sediment

Surface Water/Stream Air

Soil Other (describe, i.e. water, septage, etc.)

Well Information (fill out for groundwater samples)

Depth to Water 45 (ft) Measurement Method LMS 9/2000 RI/FS App

Depth of Well 514 (ft) Measurement Method LMS 9/2000 RI/FS App.

Volume Removed 1600. Gallons Removal Method Submersible pump - dedicated 3"

Field Test Results

Color Clear pH 5.88 Odor No odor

Temperature (°C) 14.3 Specific Conductance (~~umhos/cm~~ mS/Cm) 0.064

Other (OVA, Methane Meter, etc. Turbidity: 26 NTU Dissolved Oxygen 16.96 mg/l
Eh: 267 mv

Constituents Sampled

VOC (502) Chloride Methane Total Organic Ca

Alkalinity Nitrate, Sulfate Ferrous Iron, Carbon D

Remarks:

Purge water to Nassau county sewer system
Total Depth and depth to water measurements obtained from LMS RI/RS Appendices report dated 9/2000

Well Casing Volumes

GAL/FT	1¼" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1½ = 0.10	2½ " = 0.24	3½ = 0.50	6" = 1.46

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A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: 7/19/02

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area Sample Crew: J. Milligan; J. Schafer

Sample Location/Well No. EW-2B

Field Sample I.D. Number EW-2B Time 1200

Weather Sunny Hazy 90° Temperature 90°

Sample Type:

Groundwater X Sediment ____

Surface Water/Stream ____ Air ____

Soil ____ Other (describe, i.e. water, septage, etc.) ____

Well Information (fill out for groundwater samples)

Depth to Water 49.90 (Ft) Measurement Method LMS 9/2000 RI/FS App II

Depth of Well 142 (Ft) Measurement Method LMS 9/2000 RI/FS App III

Volume Removed 120 gallons Removal Method Submersible pump - dedicated 2"

Field Test Results

Color Clear pH 5.48 Odor NO Odor

Temperature (°C) 16.8 Specific Conductance (~~umhos/cm~~ mS/cm) .204

Other (OVA, Methane Meter, etc. Turbidity 1.2, Dissolved Oxygen: 1.73 Eh: 331

Constituents Sampled

____	VOC CS2	Chloride Methane	Total Organic Carbo
____	Alkalinity	Nitrate, Sulfate	Ferrous Iron, Carbon Dio

Remarks:

Purge water to Nassau county Sewer System
Total depth and depth to water measurements obtained From LMS RI/RS Appendices report dated 9/2000

Well Casing Volumes

GAL/FT	1¼" = 0.077	(2" = 0.16)	3" = 0.37	4" = 0.65
	1½ = 0.10	2½ " = 0.24	3½ = 0.50	6" = 1.46

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A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: 7/18/02

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** John Schafer James Milligan

Sample Location/Well No. EW-1C

Field Sample I.D. Number NC-MW-EW-1C(516) **Time** 1020

Weather Sunny Hazy 90° **Temperature** 90°

Sample Type:

Groundwater X **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 47.77 (ft) **Measurement Method** (LMS 9/2000 RI/FS Appendix III)

Depth of Well 516 (ft) **Measurement Method** (LMS 9/2000 RI/FS Appendices III)

Volume Removed 1,500 Gallons **Removal Method** Submersible pump - dedicated

Field Test Results

Color Clear **pH** 5.98 **Odor** No odor

Temperature (°C) 14.0 **Specific Conductance** ~~(umhos/cm)~~ µs/cm 0.126

Other (OVA, Methane Meter, etc. Turbidity: 13.2 NTU, Dissolved Oxygen: 11.01 mV, Eh: 263 mV GPM: 15

Constituents Sampled

_____	VOCs (502)	Chloride, Methane	Total Organic Carbon
_____	Alkalinity	Nitrate, Sulfate	Ferrous Iron, Carbon Dio

Remarks:

Purge water to Nassau County sewer system

Total Depth and depth to water measurements obtained from LMS RI/FS Appendix III report dated 9/2000

Well Casing Volumes

GAL/FT	1¼" = 0.077	2" = 0.16	3" = 0.37	(4" = 0.65)
	1½ = 0.10	2½ " = 0.24	3½ = 0.50	6" = 1.46

Dvirka and Bartilucci
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: 7/18/02

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** James Milligan / John Schafer

Sample Location/Well No. EW-1B

Field Sample I.D. Number NC-MW-EW-1C(164) **Time** 1155

Weather Sunny Hazy **Temperature** 90°

Sample Type:

Groundwater X **Sediment** _____

Surface Water/Stream _____ **Air** _____

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water 45.77 (ft) **Measurement Method** (LMS 9/2000 RI/FS Appendices III

Depth of Well 164 (ft) **Measurement Method** (LMS 9/2000 RI/FS Appendices I

Volume Removed 100 Gallons **Removal Method** Submersible pump - dedicated

Field Test Results

Color Clear **pH** 5.59 **Odor** No odor

Temperature ~~(°F)~~ °C 17.4 **Specific Conductance** (~~umhos/cm~~ mS/cm) 0.252

Other (OVA, Methane Meter, etc. Turbidity: 3.9 NTU Dissolved Oxygen 1.42 mg/L
Eh 305 mV GPM: 2

Constituents Sampled

VOCs (502)	Chloride,	Total Organic Carbon	Methane
Alkalinity	Nitrate, Sulfate	Ferrous Iron	Carbon Dioxide

Remarks:

Purge water discharged to Nassau County Sewer system
Total Depth and Depth to water obtained from LMS
RI/FS Appendice III report dated 9/2000

Well Casing Volumes

GAL/FT	1¼" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1½ = 0.10	2½" = 0.24	3½ = 0.50	6" = 1.46