Dvirka and Bartilucci
CONSULTING ENGINEERS

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February 24, 2005

Mr. Joseph Jones
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7015

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. 1898-05A

Dear Mr. Jones:

Enclosed please find the groundwater sample results from the eleventh 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) conducted by Dvirka and Bartilucci Consulting Engineers (D&B) as part of the New Cassel Industrial Area Off-site Groundwater Monitoring and Assessment Program. The wells were sampled on December 6 through December 9, 2004. 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 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 the early warning well 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 oxidation/reduction potential (Eh) were field-measured at regular intervals. When the values of all field parameters, except turbidity, had stabilized to within 10 percent for two successive readings 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 for VOC analyses were collected at a maximum flow rate of approximately 1-gallon per minute. Filled sample bottles were immediately placed into an ice-filled cooler for shipment under chain-of-custody procedures to Friend Laboratory, Inc. Samples were shipped to arrive at the laboratory within 48 hours after collection.

Appropriate quality assurance/quality control (QA/QC) samples, including matrix spikes, matrix spike duplicates and trip blanks, 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 during the eleventh round of sampling for the Off-site Groundwater Monitoring Program at the New Cassel Industrial Area. The samples were analyzed by Friend Laboratory, Inc., a subcontractor to the New York State Department of Environmental Conservation (NYSDEC). At the request of the NYSDEC, this round of samples was analyzed for VOCs only. The samples were analyzed in accordance with the specified method and NYSDEC Analytical Services Protocol (ASP) QA/QC requirements.

The data package submitted by Friend Laboratory has been validated by Nancy Potak, a NYSDEC-approved data validator. 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.

All samples were analyzed within 14 days of collection. Except as noted below, QA/QC requirements (i.e., initial and continuing calibrations, surrogate recoveries, spike recoveries, blanks) were met for all samples and the data from this round of sampling were comparable to all previous rounds.

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

The tetrachloroethene result for sample NCEW-1B has been qualified as estimated due to surrogate recoveries being outside QC limits in the diluted analysis.

No other potential concerns were identified with the data package and all results have been deemed valid and usable for environmental assessment purposes as qualified above.

Analytical Results

The VOC results for the four early warning wells and the nine monitoring wells are summarized in Table 2. The VOC results are compared to previous sample results (Rounds 1 through 10) and the NYSDEC Class GA groundwater standards and guidance values. The analytical results for natural attenuation parameters from previous sampling events are summarized in Table 3. The report, and a complete copy of the laboratory data package, is provided in electronic form on the enclosed compact disk.

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

Very truly yours,

Kenneth P. Wenz, Jr., CPG
Senior Associate

KJP/KSR/jmy
Enclosures
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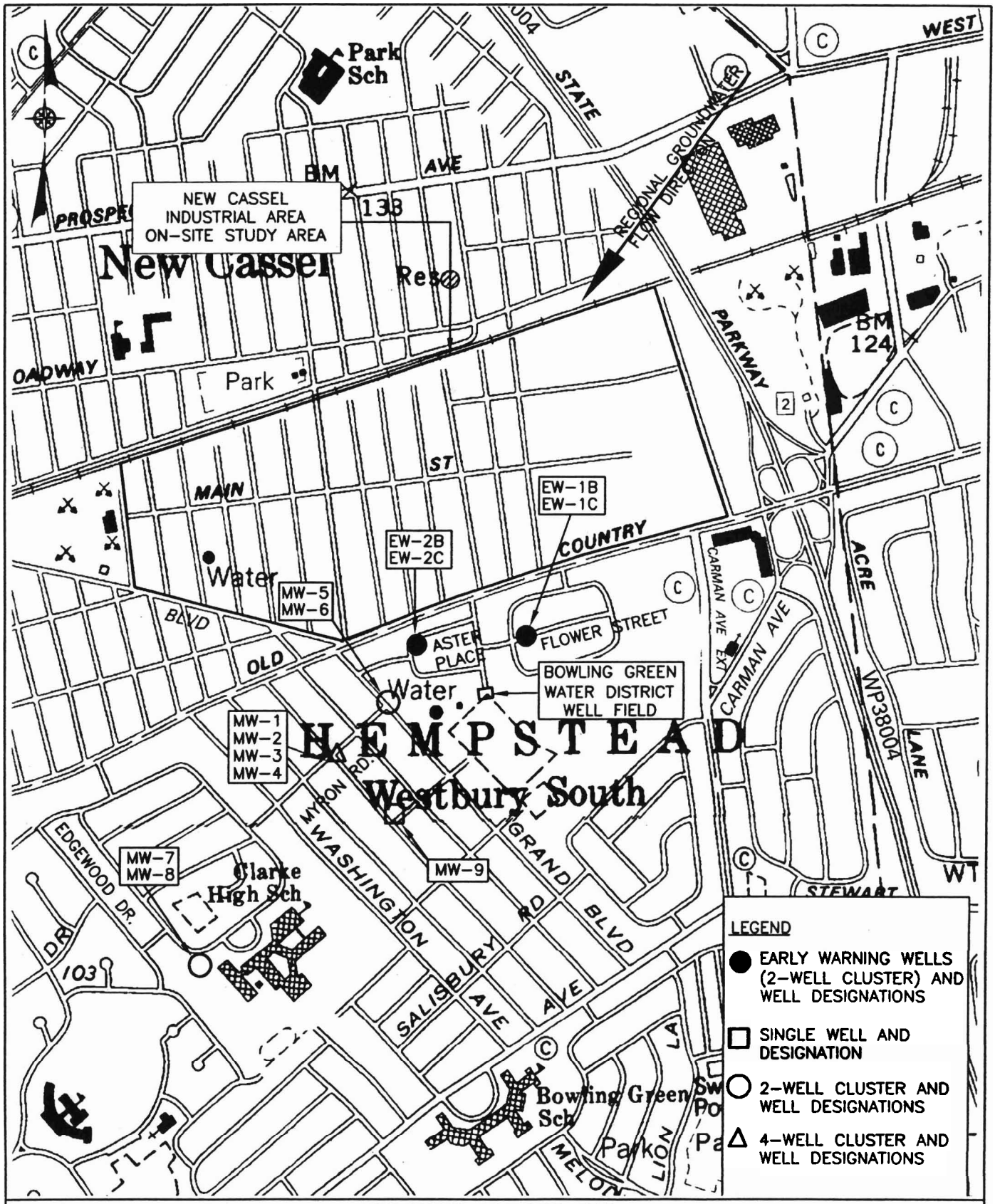

NEW CASSEL INDUSTRIAL AREA
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM

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
(ROUND 11)

Well Number	Gallons	pH (standard units)	Temperature (°C)	Specific Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	Eh (mv)
EW-1B	Initial	5.17	15.55	0.168	8.4	7.60	425
	10	5.28	15.61	0.176	10	4.70	400
	20	5.18	15.63	0.184	10	3.44	390
	30	5.15	15.64	0.185	10	2.98	382
	40	5.13	15.65	0.185	10	2.69	375
	50	5.11	15.65	0.186	0.5	2.50	369
	60	5.12	15.67	0.186	2.4	2.38	364
	70	5.11	15.67	0.186	3.8	2.28	357
	80	5.11	15.66	0.186	4.4	2.20	356
EW-1C	150	8.58	14.72	0.101	10	5.33	323
	300	8.42	12.78	0.090	90.2	4.59	316
	450	8.40	12.26	0.109	285	7.80	214
	600	7.20	12.12	0.110	140	8.08	316
	750	6.32	12.10	0.110	57.5	8.19	355
	900	5.94	12.02	0.109	45	9.20	374
	1,050	5.73	11.98	0.109	10	8.65	385
	1,200	5.63	11.96	0.108	20	8.84	394
	1,350	5.57	11.95	0.108	20	10.40	401
	1,500	5.57	12.06	0.108	5.3	10.36	405
EW-2B	10	5.09	15.50	0.133	10	9.00	323
	20	5.00	15.50	0.133	10	6.64	323
	40	4.92	15.50	0.132	10	4.67	323
	60	4.79	15.50	0.132	10	6.00	350
	80	4.84	15.50	0.132	10	3.85	345
	90	4.84	15.50	0.132	10	3.52	343
EW-2C	Initial	6.31	14.86	0.073	41	9.39	293
	24	7.11	12.75	0.067	>999	8.62	335
	480	6.34	12.41	0.064	880	10.13	356
	600	5.96	12.35	0.063	800	8.70	369
	840	5.64	12.29	0.063	130	8.50	381
	1,080	5.51	12.26	0.062	48	8.95	391
	1,200	5.46	12.25	0.062	46	8.81	394
	1,440	5.43	12.23	0.062	20	8.55	400
	1,560	5.41	12.22	0.062	40	7.60	401

Table 1 (continued)

NEW CASSEL INDUSTRIAL AREA
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM
SUMMARY OF PURGE WATER PARAMETER DATA
(ROUND 11)

Well Number	Gallons	pH (standard units)	Temperature (°C)	Specific Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	Eh (mv)
MW-1	10	4.98	14.96	0.271	33.8	8.44	389
	20	4.95	14.96	0.083	20.3	7.65	396
	30	4.84	14.92	0.290	20.7	7.44	405
	40	4.95	14.92	0.294	28.5	7.52	412
	50	4.95	14.92	0.297	28.5	7.52	417
MW-2	10	5.27	14.63	0.221	136	6.58	380
	20	5.16	14.48	0.214	52	4.78	371
	30	5.22	14.57	0.211	30	4.23	359
	40	5.19	14.57	0.210	33	3.92	352
	50	5.21	14.58	0.210	31	3.77	344
	60	5.23	14.61	0.211	36	3.67	332
	70	5.24	14.63	0.212	24	3.65	335
MW-3	10	4.03	15.52	0.097	656	12.76	411
	20	4.00	15.60	0.100	577	11.33	407
	30	4.01	15.66	0.100	204	10.50	410
	40	3.92	15.75	0.123	190	11.26	413
	50	4.02	15.68	0.127	450	10.30	410
	60	4.06	15.71	0.130	999	9.33	407
	70	4.09	15.65	0.131	736	9.08	406
MW-4	Initial	7.77	15.59	0.219	57	14.12	390
	50	5.35	15.80	0.230	10	11.28	404
	100	5.06	15.74	0.233	10	10.66	403
	150	4.98	15.79	0.227	10	7.24	402
	200	5.06	15.77	0.226	1.2	7.61	400
	250	5.02	15.76	0.216	8.2	7.12	408
	300	5.02	15.73	0.216	2	5.73	401
	350	5.04	15.73	0.216	2	4.71	391
	400	5.06	15.73	0.215	1.6	4.27	390
MW-5	Initial	5.26	14.99	0.226	609	8.71	426
	10	5.14	15.08	0.227	147	7.35	433
	20	5.14	15.10	0.227	1.2	6.83	440
	30	5.14	15.11	0.228	10	6.54	446
	40	5.22	15.10	0.229	10	6.36	448
	50	5.23	15.12	0.230	10	6.16	453

Table 1 (continued)

NEW CASSEL INDUSTRIAL AREA
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM
SUMMARY OF PURGE WATER PARAMETER DATA
(ROUND 11)

Well Number	Gallons	pH (standard units)	Temperature (°C)	Specific Conductivity (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	Eh (mv)
MW-6	10	5.40	14.97	0.301	93.3	7.31	430
	20	5.35	15.00	0.305	10	5.46	432
	30	5.25	15.03	0.307	10	4.46	438
	60	5.36	15.06	0.311	23	3.66	434
	70	5.32	15.02	0.311	26.5	3.29	434
	80	5.32	15.03	0.311	30.5	3.17	431
MW-7	10	4.72	13.54	0.134	246	10.59	440
	20	4.71	13.57	0.174	84.6	8.48	443
	30	4.71	13.60	0.134	32.4	7.31	445
	40	4.71	13.60	0.134	24.4	7.35	448
	50	4.71	13.04	0.134	22.7	6.43	450
	60	4.73	13.02	0.134	26.4	6.61	453
MW-8	10	5.87	13.64	0.149	413	12.6	442
	20	5.14	13.79	0.160	243	8.28	436
	30	5.16	13.80	0.162	179	7.13	428
	40	5.08	13.81	0.162	215	7.14	422
	50	5.10	13.82	0.163	266	6.94	414
	60	5.08	13.81	0.162	256	7.02	411
	70	5.06	13.82	0.163	361	6.96	408
	80	5.11	13.81	0.162	155	6.78	407
MW-9	Initial	5.52	14.24	0.145	10	7.98	461
	50	5.78	13.87	0.147	10	8.00	456
	125	6.16	13.66	0.140	10	6.25	424
	150	6.15	13.64	0.127	10	7.00	428
	200	5.60	13.54	0.107	10	7.75	448
	250	5.35	13.54	0.103	10	7.55	456
	300	5.28	13.51	0.101	10	7.30	460
	350	5.16	13.56	0.099	10	7.48	425
	400	5.08	13.58	0.098	10	8.04	446
	450	5.07	13.55	0.097	20	7.65	462
	500	5.07	13.52	0.096	20	7.30	467
	550	5.06	13.54	0.097	10	7.36	474

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-1B	EW-1B	EW-1B	EW-1B	Contract	NYSDEC Class GA
Sample Depth, ft	154-164	154-164	154-164	154-164	154-164	154-164	154-164	154-164	Required	Groundwater
Date of Collection	09/25/01	01/28/02	04/25/02	07/18/02	10/16/02	01/29/03	05/08/03	07/30/03	Detection	Standard or
Dilution Factor	1.0	50.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	U	U	U	U	U	U	U	U	0.5	2 ST
Bromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
Fluorotrichloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethene	39	45	39	38	47 D	31	31	28	0.5	5 ST
Methylene Chloride	U	26	U	U	U	U	U	U	0.5	5 ST
trans-1,2-Dichloroethene	0.6	U	U	0.8	U	0.7	0.51	0.52	0.5	5 ST
1,1-Dichloroethane	3.8	U	10	7	8	6	4.5	3.1	0.5	5 ST
2,2-Dichloropropane	**	U	U	U	U	U	U	U	0.5	5 ST
cis-1,2-Dichloroethene	58 **D	87	64 D	44 D	68 D	53 D	50 D	39	0.5	5 ST
Chloroform	U	U	0.3 J	U	9	U	U	U	0.5	7 ST
Bromochloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1-Trichloroethane	40	59	52 D	41 D	59 D	34 D	40 D	31	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	U	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	U	U	0.5	5 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0.5	0.6 ST
Trichloroethene	66 D	120	91 D	67 D	87 D	54 D	71 D	40 D	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	U	U	0.5	5 ST
Tetrachloroethene	630 D	1000	780 D	640 D	830 D	470 D	670 D	420 D	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	U	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3-Dichlorobenzene	1.1	U	U	2	2	2	1.7	1	0.5	3 ST
1,4-Dichlorobenzene	0.7	U	0.8	0.9	U	0.9	0.86	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	U	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Methyl-tert-butyl ether	U	U	U	U	U	U	0.57	1.8	0.5	---
Benzene	U	U	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	U	U	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	1	U	1.6		0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	2	U	0.71	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	0.8	U	U	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Total VOCs	839.2	1337	1037.1	840.7	1111.8	663.6	871.74	565.13		----

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
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-1B	EW-1B	EW-1B	EW-1B	Contract	NYSDEC Class GA
Sample Depth, ft	154-164	154-164	154-164	154-164	154-164	154-164	154-164	154-164	Required	Groundwater
Date of Collection	12/09/03	03/10/04	12/09/04						Detection	Standard or
Dilution Factor	1.0	1.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U						0.5	5 ST
Chloromethane	U	U	U						0.5	5 ST
Vinyl Chloride	U	U	U						0.5	2 ST
Bromomethane	U	U	U						0.5	5 ST
Chloroethane	U	U	U						0.5	5 ST
Fluorotrichloromethane	U	U	U						0.5	5 ST
1,1-Dichloroethene	23	19	15						0.5	5 ST
Methylene Chloride	U	U	U						0.5	5 ST
trans-1,2-Dichloroethene	0.49 J	U	U						0.5	5 ST
1,1-Dichloroethane	3.5	3 J	2 J						0.5	5 ST
2,2-Dichloropropane	U	NA	U						0.5	5 ST
cis-1,2-Dichloroethene	39	38	29						0.5	5 ST
Chloroform	U	U	U						0.5	7 ST
Bromochloromethane	U	NA	U						0.5	5 ST
1,1,1-Trichloroethane	28	25	13						0.5	5 ST
1,1-Dichlorpropene	U	NA	U						0.5	5 ST
Carbon Tetrachloride	U*	U	2 J						0.5	5 ST
1,2-Dichloroethane	U*	U	U						0.5	0.6 ST
Trichloroethene	39 D	48	32						0.5	5 ST
1,2-Dichloropropane	U	U	U						0.5	1 ST
Bromodichloromethane	U	U	U						0.5	50GV
Dibromomethane	U	NA	U						0.5	5 ST
cis-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U						0.5	1 ST
1,3-Dichloropropane	U	NA	U						0.5	5 ST
Tetrachloroethene	390 D	500 D	370 D*						0.5	5 ST
Dibromochloromethane	U	U	U						0.5	50GV
Chlorobenzene	U	U	U						0.5	5 ST
1,1,1,2-Tetrachloroethane	U	NA	U						0.5	5 ST
Bromoform	U	U	U						0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U						0.5	5 ST
1,2,3-Trichloropropane	U	NA	U						0.5	0.04 ST
Bromobenzene	U	NA	U						0.5	5 ST
1,3-Dichlorobenzene	U	0.9 J	U						0.5	3 ST
1,4-Dichlorobenzene	U	U	U						0.5	3 ST
1,2-Dichlorobenzene	U	U	U						0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U						0.5	5 ST
Hexchlorobutadiene	U	NA	U						0.5	0.5 ST
1,2,3-Trichlorobenzene	U	NA	U						0.5	5 ST
Methyl-tert-butyl ether	U	U	U						0.5	----
Benzene	U	U	U						0.5	1 ST
Toluene	U	U	1 J						0.5	5 ST
Ethylbenzene	U	U	U						0.5	5 ST
m-Xylene	U	U	1 J						0.5	5 ST
p-Xylene	U	U	U						0.5	5 ST
o-Xylene	U	U	U						0.5	5 ST
Styrene	U	U	U						0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U						0.5	5 ST
n-Propylbenzene	U	NA	U						0.5	5 ST
1,3,5-Trimethylbenzene	U	NA	U						0.5	5 ST
2-Chlorotoluene	1.3	NA	U						0.5	5 ST
4-Chlorotoluene	1.1	NA	U						0.5	5 ST
tert-Butylbenzene	U	NA	U						0.5	5 ST
1,2,4-Trimethylbenzene	U	NA	U						0.5	5 ST
sec-Butylbenzene	1.4	NA	U						0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	NA	U						0.5	5 ST
n-Butylbenzene	U	NA	U						0.5	5 ST
1,1,2-Trichlorotrifluoroethane	NA	U	U						0.5	5 ST
1,2-Dibromo-3-chloropropane	NA	U	U						0.5	0.04 ST
1,2-Dibromoethane	NA	U	U						0.5	0.0006 ST
2-Butanone	NA	U	U						0.5	50 GV
2-Hexanone	NA	U	U						0.5	50 GV
4-Methyl-2-pentanone	NA	U	U						0.5	----
Acetone	NA	U	U						0.5	50 GV
Carbon Disulfide	NA	U	U						0.5	----
Methyl Acetate	NA	U	NA						0.5	----
Methylcyclohexane	NA	U	NA						0.5	----
Total VOCs	526.79	633.9	465	0	0	0	0	0		----

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
U*: Result qualified as non-detect based on validation criteria
D*: result quailfied as estimated based on vaildation 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
NA: Not Analyzed for

TABLE 2
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-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	Contract	NYSDEC Class GA
Sample Depth, ft	506-516	506-516	506-516	506-516	506-516	506-516	506-516	506-516	Required	Groundwater
Date of Collection	09/25/01	01/28/02	04/25/02	07/18/02	10/16/02	01/29/03	05/08/03	07/30/03	Detection	Standard or
Dilution Factor	1.0	1.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	U	U	U	U	U	U	U	U	0.5	2 ST
Bromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
Fluorotrichloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	U	0.5	5 ST
Methylene Chloride	U	U	U	U	U	U	U	U	0.5	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
2,2-Dichloropropane	U	U	U	U	U	U	U	U	0.5	5 ST
cis-1,2-Dichloroethene	* U	U	U	U	U	U	U	U	0.5	5 ST
Chloroform	U	U	U	U	U	U	U	U	0.5	7 ST
Bromochloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	U	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	0.5	0.6	U	0.49 J	0.5	5 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0.5	0.6 ST
Trichloroethene	12	13	15	13	18	21	13	20	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	U	U	0.5	5 ST
Tetrachloroethene	U	0.6	5	U	2	U	U	0.78	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	U	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	U	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Methyl-tert-butyl ether	U	U	U	U	U	U	U	U	0.5	---
Benzene	U	U	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	U*	U	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Total VOCs	12	13.6	20	13	20.5	21.6	13	21.27		---

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
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-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	Contract	NYSDEC Class GA
Sample Depth, ft	506-516	506-516	506-516	506-516	506-516	506-516	506-516	506-516	Required	Groundwater
Date of Collection	12/11/03	03/10/04	12/08/04						Detection	Standard or
Dilution Factor	1.0	1.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U						0.5	5 ST
Chloromethane	U	U	U						0.5	5 ST
Vinyl Chloride	U	U	U						0.5	2 ST
Bromomethane	U	U	U						0.5	5 ST
Chloroethane	U	U	U						0.5	5 ST
Fluorotrichloromethane	U	U	U						0.5	5 ST
1,1-Dichloroethene	U	U	U						0.5	5 ST
Methylene Chloride	U	U	U						0.5	5 ST
trans-1,2-Dichloroethene	U	U	U						0.5	5 ST
1,1-Dichloroethane	U	U	U						0.5	5 ST
2,2-Dichloropropane	U	NA	U						0.5	5 ST
cis-1,2-Dichloroethene	U	0.2 J	U						0.5	5 ST
Chloroform	U	0.3 J	U						0.5	7 ST
Bromochloromethane	U	NA	U						0.5	5 ST
1,1,1-Trichloroethane	U	U	U						0.5	5 ST
1,1-Dichlorpropene	U	NA	U						0.5	5 ST
Carbon Tetrachloride	U	0.3 J	U						0.5	5 ST
1,2-Dichloroethane	U	U	U						0.5	0.6 ST
Trichloroethene	14	18	20						0.5	5 ST
1,2-Dichloropropane	U	U	U						0.5	1 ST
Bromodichloromethane	U	U	U						0.5	50GV
Dibromomethane	U	NA	U						0.5	5 ST
cis-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U						0.5	1 ST
1,3-Dichloropropane	U	NA	U						0.5	5 ST
Tetrachloroethene	0.86	0.8 J	U						0.5	5 ST
Dibromochloromethane	U	U	U						0.5	50GV
Chlorobenzene	U	U	U						0.5	5 ST
1,1,1,2-Tetrachloroethane	U	NA	U						0.5	5 ST
Bromoform	U	U	U						0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U						0.5	5 ST
1,2,3-Trichloropropane	U	NA	U						0.5	0.04 ST
Bromobenzene	U	NA	U						0.5	5 ST
1,3-Dichlorobenzene	U	U	U						0.5	3 ST
1,4-Dichlorobenzene	U	U	U						0.5	3 ST
1,2-Dichlorobenzene	U	U	U						0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U						0.5	5 ST
Hexchlorobutadiene	U	NA	U						0.5	0.5 ST
1,2,3-Trichlorobenzene	U	NA	U						0.5	5 ST
Methyl-tert-butyl ether	U	U	U						0.5	—
Benzene	U	U	1.3						0.5	1 ST
Toluene	U	U	3 J						0.5	5 ST
Ethylbenzene	U	U	U						0.5	5 ST
m-Xylene	U	U	4 J						0.5	5 ST
p-Xylene	U	U	U						0.5	5 ST
o-Xylene	U	U	2 J						0.5	5 ST
Styrene	U	U	U						0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U						0.5	5 ST
n-Propylbenzene	U	NA	U						0.5	5 ST
1,3,5-Trimethylbenzene	U	NA	U						0.5	5 ST
2-Chlorotoluene	U	NA	U						0.5	5 ST
4-Chlorotoluene	U	NA	U						0.5	5 ST
tert-Butylbenzene	U	NA	U						0.5	5 ST
1,2,4-Trimethylbenzene	U	NA	3 J						0.5	5 ST
sec-Butylbenzene	U	NA	U						0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	NA	U						0.5	5 ST
n-Butylbenzene	U	NA	U						0.5	5 ST
1,1,2-Trichlorotrifluoroethane	NA	U	U						0.5	5 ST
1,2-Dibromo-3-chloropropane	NA	U	U						0.5	0.04 ST
1,2-Dibromoethane	NA	U	U						0.5	0.0006 ST
2-Butanone	NA	U	U						0.5	50 GV
2-Hexanone	NA	U	U						0.5	50 GV
4-Methyl-2-pentanone	NA	U	U						0.5	—
Acetone	NA	U	U						0.5	50 GV
Carbon Disulfide	NA	U	U						0.5	—
Methyl Acetate	NA	U	NA						0.5	—
Methylcyclohexane	NA	U	NA						0.5	—
Total VOCs	14.86	19.6	33.3	0	0	0	0	0		—

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
NA: Not Analyzed for

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

Sample Identification	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	Contract	NYSDEC Class GA
Sample Depth, ft	132-142	132-142	132-142	132-142	132-142	132-142	132-142	132-142	Required	Groundwater
Date of Collection	09/25/01	01/28/02	04/25/02	07/19/02	10/16/02	01/29/03	05/08/03	07/28/03	Detection	Standard or
Dilution Factor	1.0	5.0	5.0	5.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	51 D	32	24	29	32	28	29	37	0.5	2 ST
Bromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloroethane	2.6	U	24	19	U	U	U	U	0.5	5 ST
Fluorotrichloromethane	0.6	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethene	43 D	10	8	U	7	5	5.5	5.9	0.5	5 ST
Methylene Chloride	1.5	3 J	U	U	U	U	U	U*	0.5	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethane	150 D	24	9	5	4	3	3.3	4.7	0.5	5 ST
2,2-Dichloropropane	**	U		U	U	U	U	U	0.5	5 ST
cis-1,2-Dichloroethene	36 **	25	19	18	19	19	17	18	0.5	5 ST
Chloroform	U	U	U	U	U	0.5	0.5	0.56	0.5	7 ST
Bromochloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1-Trichloroethane	85 D	16	8	5	4	3	3.1	3.6	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	U	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	U	U	0.5	5 ST
1,2-Dichloroethane	0.7	U	0.5	U	0.6	0.7	0.67	U	0.5	0.6 ST
Trichloroethene	140 D	130	100 D	84 D	98	110 D	93 D	95 D	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	U	U	0.5	5 ST
Tetrachloroethene	20	21	17	21	17	16	18	16	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	1.3	U	U	U	0.9	1	1.1	0.78	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	0.5	U	U	U	U	U	0.87	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	U	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Methyl-tert-butyl ether	U	U	U	U	U	U	U	U	0.5	----
Benzene	U	U	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	U	U	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Total VOCs	532.2	261	209.5	181	182.5	186.2	172.04	181.54		----

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

Sample Identification	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	Contract	NYSDEC Class GA
Sample Depth, ft	132-142	132-142	132-142	132-142	132-142	132-142	132-142	132-142	Required	Groundwater
Date of Collection	12/10/03	03/10/04	12/08/04						Detection	Standard or
Dilution Factor	1.0	5.0	1.0	5.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U						0.5	5 ST
Chloromethane	U	U	U						0.5	5 ST
Vinyl Chloride	27	25	34						0.5	2 ST
Bromomethane	U	U	U						0.5	5 ST
Chloroethane	U	U	U						0.5	5 ST
Fluorotrichloromethane	U	U	U						0.5	5 ST
1,1-Dichloroethene	4.5	4 J	4 J						0.5	5 ST
Methylene Chloride	U	U	U						0.5	5 ST
trans-1,2-Dichloroethene	U	U	U						0.5	5 ST
1,1-Dichloroethane	2.9	2 J	3 J						0.5	5 ST
2,2-Dichloropropane	U	NA	U						0.5	5 ST
cis-1,2-Dichloroethene	17	16	16						0.5	5 ST
Chloroform	U	0.4 J	U						0.5	7 ST
Bromochloromethane	U	NA	U						0.5	5 ST
1,1,1-Trichloroethane	2.8	2 J	2 J						0.5	5 ST
1,1-Dichlorpropene	U	NA	U						0.5	5 ST
Carbon Tetrachloride	U	U	U						0.5	5 ST
1,2-Dichloroethane	0.66	U	U						0.5	0.6 ST
Trichloroethene	74 D	89	77						0.5	5 ST
1,2-Dichloropropane	U	U	U						0.5	1 ST
Bromodichloromethane	U	U	U						0.5	50GV
Dibromomethane	U	NA	U						0.5	5 ST
cis-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U						0.5	1 ST
1,3-Dichloropropane	U	NA	U						0.5	5 ST
Tetrachloroethene	16	18	15						0.5	5 ST
Dibromochloromethane	U	U	U						0.5	50GV
Chlorobenzene	1	U	U						0.5	5 ST
1,1,1,2-Tetrachloroethane	U	NA	U						0.5	5 ST
Bromoform	U	U	U						0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U						0.5	5 ST
1,2,3-Trichloropropane	U	NA	U						0.5	0.04 ST
Bromobenzene	U	NA	U						0.5	5 ST
1,3-Dichlorobenzene	U	U	U						0.5	3 ST
1,4-Dichlorobenzene	U	U	U						0.5	3 ST
1,2-Dichlorobenzene	U	U	U						0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U						0.5	5 ST
Hexchlorobutadiene	U	NA	U						0.5	0.5 ST
1,2,3-Trichlorobenzene	U	NA	U						0.5	5 ST
Methyl-tert-butyl ether	U	U	U						0.5	----
Benzene	U	U	U						0.5	1 ST
Toluene	U	U	U						0.5	5 ST
Ethylbenzene	U	U	U						0.5	5 ST
m-Xylene	U	U	U						0.5	5 ST
p-Xylene	U	U	U						0.5	5 ST
o-Xylene	U	U	U						0.5	5 ST
Styrene	U	U	U						0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U						0.5	5 ST
n-Propylbenzene	U	NA	U						0.5	5 ST
1,3,5-Trimethylbenzene	U	NA	U						0.5	5 ST
2-Chlorotoluene	U	NA	U						0.5	5 ST
4-Chlorotoluene	U	NA	U						0.5	5 ST
tert-Butylbenzene	U	NA	U						0.5	5 ST
1,2,4-Trimethylbenzene	U	NA	U						0.5	5 ST
sec-Butylbenzene	U	NA	U						0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	NA	U						0.5	5 ST
n-Butylbenzene	U	NA	U						0.5	5 ST
1,1,2-Trichlorotrifluoroethane	NA	27	31						0.5	5 ST
1,2-Dibromo-3-chloropropane	NA	U	U						0.5	0.04 ST
1,2-Dibromoethane	NA	U	U						0.5	0.0006 ST
2-Butanone	NA	U	U						0.5	50 GV
2-Hexanone	NA	U	U						0.5	50 GV
4-Methyl-2-pentanone	NA	U	U						0.5	----
Acetone	NA	U	U						0.5	50 GV
Carbon Disulfide	NA	U	U						0.5	----
Methyl Acetate	NA	U	NA						0.5	----
Methylcyclohexane	NA	U	NA						0.5	----
Total VOCs	145.86	183.4	151	-	-	-	-	0		

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
NA: Not Analyzed for

TABLE 2
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	EW-2C	EW-2C	EW-2C	EW-2C	Contract	NYSDEC Class GA
Sample Depth, ft	504-514	504-514	504-514	504-514	504-514	504-514	504-514	504-514	Required	Groundwater
Date of Collection	09/25/01	01/28/02	04/25/02	07/19/02	10/16/02	01/29/03	05/08/03	07/29/03	Detection	Standard or
Dilution Factor	1.0	1.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	U	U	U	U	U	U	U	U	0.5	2 ST
Bromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
Fluorotrichloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	U	0.5	5 ST
Methylene Chloride	U	U	U	U	U	U	U	U*	0.5	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
2,2-Dichloropropane	U	U	U	U	U	U	U	U	0.5	5 ST
cis-1,2-Dichloroethene	U	U	U	U	U	U	U	U	0.5	5 ST
Chloroform	U	U	U	U	U	U	U	U	0.5	7 ST
Bromochloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	U	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	U	U	0.5	5 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0.5	0.6 ST
Trichloroethene	U	U	U	U	U	U	0.7	U	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	U	U	0.5	5 ST
Tetrachloroethene	U	U	U	1	U	0.8	1.8	U	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	U	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	U	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Methyl-tert-butyl ether	U	U	U	U	U	U	U	U	0.5	----
Benzene	U	U	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	U	1.4	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Total VOCs	0	0	0	1	0	0.8	2.5	1.4		----

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
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
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	EW-2C	EW-2C	EW-2C	EW-2C	Contract	NYSDEC Class GA
Sample Depth, ft	504-514	504-514	504-514	504-514	504-514	504-514	504-514	504-514	Required	Groundwater
Date of Collection	12/11/03	03/10/04	12/08/04						Detection	Standard or
Dilution Factor	1.0	1.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U						0.5	5 ST
Chloromethane	U	U	U						0.5	5 ST
Vinyl Chloride	U	U	U						0.5	2 ST
Bromomethane	U	U	U						0.5	5 ST
Chloroethane	U	U	U						0.5	5 ST
Fluorotrichloromethane	U	U	U						0.5	5 ST
1,1-Dichloroethene	U	U	U						0.5	5 ST
Methylene Chloride	U	U	U						0.5	5 ST
trans-1,2-Dichloroethene	U	U	U						0.5	5 ST
1,1-Dichloroethane	U	U	U						0.5	5 ST
2,2-Dichloropropane	U	NA	U						0.5	5 ST
cis-1,2-Dichloroethene	U	U	U						0.5	5 ST
Chloroform	U	U	U						0.5	7 ST
Bromochloromethane	U	NA	U						0.5	5 ST
1,1,1-Trichloroethane	U	U	U						0.5	5 ST
1,1-Dichlorpropene	U	NA	U						0.5	5 ST
Carbon Tetrachloride	U	U	U						0.5	5 ST
1,2-Dichloroethane	U	U	U						0.5	0.6 ST
Trichloroethene	U	U	U						0.5	5 ST
1,2-Dichloropropane	U	U	U						0.5	1 ST
Bromodichloromethane	U	U	U						0.5	50GV
Dibromomethane	U	NA	U						0.5	5 ST
cis-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U						0.5	1 ST
1,3-Dichloropropane	U	NA	U						0.5	5 ST
Tetrachloroethene	U	U	U						0.5	5 ST
Dibromochloromethane	U	U	U						0.5	50GV
Chlorobenzene	U	U	U						0.5	5 ST
1,1,1,2-Tetrachloroethane	U	NA	U						0.5	5 ST
Bromoform	U	U	U						0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U						0.5	5 ST
1,2,3-Trichloropropane	U	NA	U						0.5	0.04 ST
Bromobenzene	U	NA	U						0.5	5 ST
1,3-Dichlorobenzene	U	U	U						0.5	3 ST
1,4-Dichlorobenzene	U	U	U						0.5	3 ST
1,2-Dichlorobenzene	U	U	U						0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U						0.5	5 ST
Hexchlorobutadiene	U	NA	U						0.5	0.5 ST
1,2,3-Trichlorobenzene	U	NA	U						0.5	5 ST
Methyl-tert-butyl ether	U	U	U						0.5	----
Benzene	U	U	U						0.5	1 ST
Toluene	U	U	U						0.5	5 ST
Ethylbenzene	U	U	U						0.5	5 ST
m-Xylene	U	U	U						0.5	5 ST
p-Xylene	U	U	U						0.5	5 ST
o-Xylene	U	U	U						0.5	5 ST
Styrene	U	U	U						0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U						0.5	5 ST
n-Propylbenzene	U	NA	U						0.5	5 ST
1,3,5-Trimethylbenzene	U	NA	U						0.5	5 ST
2-Chlorotoluene	U	NA	U						0.5	5 ST
4-Chlorotoluene	U	NA	U						0.5	5 ST
tert-Butylbenzene	U	NA	U						0.5	5 ST
1,2,4-Trimethylbenzene	U	NA	U						0.5	5 ST
sec-Butylbenzene	U	NA	U						0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	NA	U						0.5	5 ST
n-Butylbenzene	U	NA	U						0.5	5 ST
1,1,2-Trichlorotrifluoroethane	NA	U	U						0.5	5 ST
1,2-Dibromo-3-chloropropane	NA	U	U						0.5	0.04 ST
1,2-Dibromoethane	NA	U	U						0.5	0.0006 ST
2-Butanone	NA	U	U						0.5	50 GV
2-Hexanone	NA	U	U						0.5	50 GV
4-Methyl-2-pentanone	NA	U	U						0.5	----
Acetone	NA	U	U						0.5	50 GV
Carbon Disulfide	NA	U	U						0.5	----
Methyl Acetate	NA	U	NA						0.5	----
Methylcyclohexane	NA	U	NA						0.5	----
Total VOCs	0	0	0	0	0	0	0	0		----

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
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
NA: Not Analyzed for

TABLE 2
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-1	MW-1	MW-1	MW-1	MW-1	MW-1	Contract	NYSDEC Class GA
Sample Depth, ft	90-110	90-110	90-110	90-110	90-110	90-110	90-110	90-110	Required	Groundwater
Date of Collection	11/02/01	01/24/02	04/25/02	07/16/02	10/17/02	02/03/03	05/06/03	07/30/03	Detection	Standard or
Dilution Factor	1.0	1.0	2.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	U	U	U	U	U	U	U	U	0.5	2 ST
Bromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
Fluorotrichloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethene	16	8	26	24	49	33	19	17	0.5	5 ST
Methylene Chloride	U	U	U	U	U	U	U	U	0.5	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethane	2.8	2	5	4	6	7	3.5	2.5	0.5	5 ST
2,2-Dichloropropane	**	U		U	U	U	U	U	0.5	5 ST
cis-1,2-Dichloroethene	1.1 **	1	3	3	5	5	2.1	1.6	0.5	5 ST
Chloroform	0.5	U	U	1	2	2	1.3	U	0.5	7 ST
Bromochloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1-Trichloroethane	7.8	4	10 J	10	15	16	7.8	5.9	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	U	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	U	U	0.5	5 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0.5	0.6 ST
Trichloroethene	21	16	52 DJ	55 E	79	51 D	34	27	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	U	U	0.5	5 ST
Tetrachloroethene	4.1	3	9	9	13	10	5.8	7.6	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	U	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	U	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Methyl-tert-butyl ether	U	U	U	U	U	U	U	3.4	0.5	----
Benzene	U	U	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	U*	U	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Total VOCs	53.3	34	105	106	169	124	73.5	65		----

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
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-1	MW-1	MW-1	MW-1	MW-1	MW-1	Contract Required Detection Limit	NYSDEC Class GA Groundwater Standard or Guidance Value
Sample Depth, ft	90-110	90-110	90-110	90-110	90-110	90-110	90-110	90-110		
Date of Collection	12/09/03	03/10/04	12/07/04							
Dilution Factor	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0		
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U						0.5	5 ST
Chloromethane	U	U	U						0.5	5 ST
Vinyl Chloride	U	U	U						0.5	2 ST
Bromomethane	U	U	U						0.5	5 ST
Chloroethane	U	U	U						0.5	5 ST
Fluorotrichloromethane	U	U	U						0.5	5 ST
1,1-Dichloroethene	19	25	21						0.5	5 ST
Methylene Chloride	U	U	U						0.5	5 ST
trans-1,2-Dichloroethene	U	U	U						0.5	5 ST
1,1-Dichloroethane	3.7	5 J	5						0.5	5 ST
2,2-Dichloropropane	U	NA	U						0.5	5 ST
cis-1,2-Dichloroethene	2.5	4 J	3 J						0.5	5 ST
Chloroform	1.3	2 J	1 J						0.5	7 ST
Bromochloromethane	U	NA	U						0.5	5 ST
1,1,1-Trichloroethane	7.6	10 J	8						0.5	5 ST
1,1-Dichlorpropene	U	NA	U						0.5	5 ST
Carbon Tetrachloride	U*	U	U						0.5	5 ST
1,2-Dichloroethane	U*	U	U						0.5	0.6 ST
Trichloroethene	38	55	37						0.5	5 ST
1,2-Dichloropropane	U	U	U						0.5	1 ST
Bromodichloromethane	U	U	U						0.5	50GV
Dibromomethane	U	NA	U						0.5	5 ST
cis-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U						0.5	1 ST
1,3-Dichloropropane	U	NA	U						0.5	5 ST
Tetrachloroethene	8	10	7						0.5	5 ST
Dibromochloromethane	U	U	U						0.5	50GV
Chlorobenzene	U	U	U						0.5	5 ST
1,1,1,2-Tetrachloroethane	U	NA	U						0.5	5 ST
Bromoform	U	U	U						0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U						0.5	5 ST
1,2,3-Trichloropropane	U	NA	U						0.5	0.04 ST
Bromobenzene	U	NA	U						0.5	5 ST
1,3-Dichlorobenzene	U	U	U						0.5	3 ST
1,4-Dichlorobenzene	U	U	U						0.5	3 ST
1,2-Dichlorobenzene	U	U	U						0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U						0.5	5 ST
Hexchlorobutadiene	U	NA	U						0.5	0.5 ST
1,2,3-Trichlorobenzene	U	NA	U						0.5	5 ST
Methyl-tert-butyl ether	0.78	0.5 J	U						0.5	----
Benzene	U	U	U						0.5	1 ST
Toluene	U	U	U						0.5	5 ST
Ethylbenzene	U	U	U						0.5	5 ST
m-Xylene	U	U	U						0.5	5 ST
p-Xylene	U	U	U						0.5	5 ST
o-Xylene	U	U	U						0.5	5 ST
Styrene	U	U	U						0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U						0.5	5 ST
n-Propylbenzene	U	NA	U						0.5	5 ST
1,3,5-Trimethylbenzene	U	NA	U						0.5	5 ST
2-Chlorotoluene	U	NA	U						0.5	5 ST
4-Chlorotoluene	U	NA	U						0.5	5 ST
tert-Butylbenzene	U	NA	U						0.5	5 ST
1,2,4-Trimethylbenzene	U	NA	U						0.5	5 ST
sec-Butylbenzene	U	NA	U						0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	NA	U						0.5	5 ST
n-Butylbenzene	U	NA	U						0.5	5 ST
1,1,2-Trichlorotrifluoroethane	NA	U	2 J						0.5	5 ST
1,2-Dibromo-3-chloropropane	NA	U	U						0.5	0.04 ST
1,2-Dibromoethane	NA	U	U						0.5	0.0006 ST
2-Butanone	NA	U	U						0.5	50 GV
2-Hexanone	NA	U	U						0.5	50 GV
4-Methyl-2-pentanone	NA	U	U						0.5	----
Acetone	NA	U	U						0.5	50 GV
Carbon Disulfide	NA	U	U						0.5	----
Methyl Acetate	NA	U	NA						0.5	----
Methylcyclohexane	NA	U	NA						0.5	----
Total VOCs	80.88	111.5	82	0	0	0	0	0		----

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
NA: Not Analyzed for

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

Sample Identification	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	Contract	NYSDEC Class GA
Sample Depth, ft	110-130	110-130	110-130	110-130	110-130	110-130	110-130	110-130	Required	Groundwater
Date of Collection	11/02/01	01/24/02	04/24/02	07/16/02	10/18/02	02/03/03	05/06/03	07/30/03	Detection	Standard or
Dilution Factor	1.0	1.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	U	U	U	U	U	U	U	U	0.5	2 ST
Bromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloroethane	U	1	2	U	0.8	0.9	0.7	0.86	0.5	5 ST
Fluorotrichloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethene	540 D	440 D	480 D	190 E	420	130 D	230 D	310 D	0.5	5 ST
Methylene Chloride	1.9	U	U	U	0.9	U	U*	0.74	0.5	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	0.77	0.5	5 ST
1,1-Dichloroethane	140 D	140 D	140 D	52 E	95	63 D	83 D	70 D	0.5	5 ST
2,2-Dichloropropane	**	U		U	U		U	U	0.5	5 ST
cis-1,2-Dichloroethene	48 **E	35	42 D	17	39	38	32	36	0.5	5 ST
Chloroform	5.2	2	4	2 B	4	4	4.9	4.4	0.5	7 ST
Bromochloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1-Trichloroethane	230 D	220 D	210 D	75 E	140	82 D	100 D	110 D	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	U	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	0.8	U	0.5	5 ST
1,2-Dichloroethane	2.2	U	2	U	2	2	2	1.6	0.5	0.6 ST
Trichloroethene	580 D	500 D	450 D	190 E	360	210 D	320 D	350 D	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	1.5	2	U	U	1	2	1.4	1.2	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	U	U	0.5	5 ST
Tetrachloroethene	49 JD	53 D	52 D	26	50	39	38 D	45 D	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	U	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	U	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Methyl-tert-butyl ether	U	U	U	U	U	U	U	U	0.5	----
Benzene	U	U	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	U*	U	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Total VOCs	1597.8	1393	1382	552	1112.7	570.9	812.8	930.57		----

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

Sample Identification	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	Contract	NYSDEC Class GA
Sample Depth, ft	110-130	110-130	110-130	110-130	110-130	110-130	110-130	110-130	Required	Groundwater
Date of Collection	12/09/03	03/10/04	12/07/04						Detection	Standard or
Dilution Factor	1.0	1.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U						0.5	5 ST
Chloromethane	U	U	U						0.5	5 ST
Vinyl Chloride	U	U	U						0.5	2 ST
Bromomethane	U	U	U						0.5	5 ST
Chloroethane	1.1	0.8 J	U						0.5	5 ST
Fluorotrichloromethane	U	U	U						0.5	5 ST
1,1-Dichloroethene	220 D	250 D	300 D						0.5	5 ST
Methylene Chloride	0.76	U	U						0.5	5 ST
trans-1,2-Dichloroethene	0.53	U	U						0.5	5 ST
1,1-Dichloroethane	65 D	87	53						0.5	5 ST
2,2-Dichloropropane	U	NA	U						0.5	5 ST
cis-1,2-Dichloroethene	29	30	30						0.5	5 ST
Chloroform	4.3	3 J	3 J						0.5	7 ST
Bromochloromethane	U	NA	U						0.5	5 ST
1,1,1-Trichloroethane	93 D	140	130						0.5	5 ST
1,1-Dichlorpropene	U	NA	U						0.5	5 ST
Carbon Tetrachloride	U	U	17						0.5	5 ST
1,2-Dichloroethane	1.5	1 J	1 J						0.5	0.6 ST
Trichloroethene	240 D	290 D	380 D						0.5	5 ST
1,2-Dichloropropane	U	U	U						0.5	1 ST
Bromodichloromethane	U	U	U						0.5	50GV
Dibromomethane	U	NA	U						0.5	5 ST
cis-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
1,1,2-Trichloroethane	1.3	U	2 J						0.5	1 ST
1,3-Dichloropropane	U	NA	U						0.5	5 ST
Tetrachloroethene	38 D	43	42						0.5	5 ST
Dibromochloromethane	U	U	U						0.5	50GV
Chlorobenzene	U	U	U						0.5	5 ST
1,1,1,2-Tetrachloroethane	U	NA	U						0.5	5 ST
Bromoform	U	U	U						0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U						0.5	5 ST
1,2,3-Trichloropropane	U	NA	U						0.5	0.04 ST
Bromobenzene	U	NA	U						0.5	5 ST
1,3-Dichlorobenzene	U	U	U						0.5	3 ST
1,4-Dichlorobenzene	U	U	U						0.5	3 ST
1,2-Dichlorobenzene	U	U	U						0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U						0.5	5 ST
Hexchlorobutadiene	U	NA	U						0.5	0.5 ST
1,2,3-Trichlorobenzene	U	NA	U						0.5	5 ST
Methyl-tert-butyl ether	U	U	U						0.5	----
Benzene	U	U	U						0.5	1 ST
Toluene	U	U	U						0.5	5 ST
Ethylbenzene	U	U	U						0.5	5 ST
m-Xylene	U	U	U						0.5	5 ST
p-Xylene	U	U	U						0.5	5 ST
o-Xylene	U	U	U						0.5	5 ST
Styrene	U	U	U						0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U						0.5	5 ST
n-Propylbenzene	U	NA	U						0.5	5 ST
1,3,5-Trimethylbenzene	U	NA	U						0.5	5 ST
2-Chlorotoluene	U	NA	U						0.5	5 ST
4-Chlorotoluene	U	NA	U						0.5	5 ST
tert-Butylbenzene	U	NA	U						0.5	5 ST
1,2,4-Trimethylbenzene	U	NA	U						0.5	5 ST
sec-Butylbenzene	U	NA	U						0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	NA	U						0.5	5 ST
n-Butylbenzene	U	NA	U						0.5	5 ST
1,1,2-Trichlorotrifluoroethane	NA	U	3 J						0.5	5 ST
1,2-Dibromo-3-chloropropane	NA	U	U						0.5	0.04 ST
1,2-Dibromoethane	NA	U	U						0.5	0.0006 ST
2-Butanone	NA	U	U						0.5	50 GV
2-Hexanone	NA	U	U						0.5	50 GV
4-Methyl-2-pentanone	NA	U	U						0.5	----
Acetone	NA	U	U						0.5	50 GV
Carbon Disulfide	NA	U	U						0.5	----
Methyl Acetate	NA	U	NA						0.5	----
Methylcyclohexane	NA	U	NA						0.5	----
Total VOCs	694.49	844.8	958	0	0	0	0	0		----

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
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
NA: Not Analyzed for

TABLE 2
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-3	MW-3	MW-3	MW-3	Contract	NYSDEC Class GA
Sample Depth, ft	130-150	130-150	130-150	130-150	130-150	130-150	130-150	130-150	Required	Groundwater
Date of Collection	11/02/01	01/24/02	04/24/02	07/16/02	10/16/02	02/03/03	05/06/03	07/30/03	Detection	Standard or
Dilution Factor	1.0	1.0	50.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	U	U	U	U	U	U	U	U	0.5	2 ST
Bromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloroethane	0.7	1	U	1	U	1	0.7	0.98	0.5	5 ST
Fluorotrichloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethene	900 D	770 D	390 D	670 E	275 D	190 D	380 D	730 D	0.5	5 ST
Methylene Chloride	7.1	U	50 D	3	0.9	3	U*	2.2	0.5	5 ST
trans-1,2-Dichloroethene	0.5	U	U	U	U	U	U	1	0.5	5 ST
1,1-Dichloroethane	230 D	250 D	130 D	210 E	70 D	110 D	140 D	150 D	0.5	5 ST
2,2-Dichloropropane	**	U	**	U	U	U	U	U	0.5	5 ST
cis-1,2-Dichloroethene	54 **E	40	25 **D	40 E	21	34	32	34 D	0.5	5 ST
Chloroform	5.7	3	U	U	2	4	4.1	4.1	0.5	7 ST
Bromochloromethane	U	U	U	4 B	U	U	U	U	0.5	5 ST
1,1,1-Trichloroethane	350 D	350 D	160 D	270 E	107 D	120 D	180 D	270 D	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	U	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	0.93	U	0.5	5 ST
1,2-Dichloroethane	5.1	U	U	U	2	5	3.4	4.1	0.5	0.6 ST
Trichloroethene	1200 D	1000 D	490 D	920 E	322 D	440 D	700 D	1000 D	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	2.1	2	U	2	0.8	2	2	1.7	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	U	U	0.5	5 ST
Tetrachloroethene	67 E	74 D	28 D	70 E	22	27 D	55 D	73 D	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	U	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	U	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Methyl-tert-butyl ether	U	U	U	U	U	U	U	U	0.5	----
Benzene	U	U	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	U*	U	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Total VOCs	2822.2	2490	1273	2190	822.7	936	1498.13	2271.08		----

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
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
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-3	MW-3	MW-3	MW-3	Contract	NYSDEC Class GA
Sample Depth, ft	130-150	130-150	130-150	130-150	130-150	130-150	130-150	130-150	Required	Groundwater
Date of Collection	12/09/03	03/10/04	12/07/04						Detection	Standard or
Dilution Factor	10.0	1.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U						0.5	5 ST
Chloromethane	U	U	U						0.5	5 ST
Vinyl Chloride	U	U	U						0.5	2 ST
Bromomethane	U	U	U						0.5	5 ST
Chloroethane	U	0.5 J	U						0.5	5 ST
Fluorotrichloromethane	U	U	U						0.5	5 ST
1,1-Dichloroethene	380	500 D	280 D						0.5	5 ST
Methylene Chloride	U	U	U						0.5	5 ST
trans-1,2-Dichloroethene	U	U	U						0.5	5 ST
1,1-Dichloroethane	100	110	77						0.5	5 ST
2,2-Dichloropropane	U	NA	U						0.5	5 ST
cis-1,2-Dichloroethene	29	30	23						0.5	5 ST
Chloroform	U	3 J	2 J						0.5	7 ST
Bromochloromethane	U	NA	U						0.5	5 ST
1,1,1-Trichloroethane	170	200 D	110						0.5	5 ST
1,1-Dichlorpropene	U	NA	U						0.5	5 ST
Carbon Tetrachloride	U*	U	15						0.5	5 ST
1,2-Dichloroethane	U*	U	1 J						0.5	0.6 ST
Trichloroethene	580 D	700 D	440 D						0.5	5 ST
1,2-Dichloropropane	U	U	U						0.5	1 ST
Bromodichloromethane	U	U	U						0.5	50GV
Dibromomethane	U	NA	U						0.5	5 ST
cis-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	1 J						0.5	1 ST
1,3-Dichloropropane	U	NA	U						0.5	5 ST
Tetrachloroethene	51	55	34						0.5	5 ST
Dibromochloromethane	U	U	25						0.5	50GV
Chlorobenzene	U	U	U						0.5	5 ST
1,1,1,2-Tetrachloroethane	U	NA	U						0.5	5 ST
Bromoform	U	U	U						0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U						0.5	5 ST
1,2,3-Trichloropropane	U	NA	U						0.5	0.04 ST
Bromobenzene	U	NA	U						0.5	5 ST
1,3-Dichlorobenzene	U	U	U						0.5	3 ST
1,4-Dichlorobenzene	U	0.4 J	U						0.5	3 ST
1,2-Dichlorobenzene	U	U	U						0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U						0.5	5 ST
Hexchlorobutadiene	U	NA	U						0.5	0.5 ST
1,2,3-Trichlorobenzene	U	NA	U						0.5	5 ST
Methyl-tert-butyl ether	U	U	U						0.5	----
Benzene	U	0.1 J	U						0.5	1 ST
Toluene	U	U	U						0.5	5 ST
Ethylbenzene	U	U	U						0.5	5 ST
m-Xylene	U	U	U						0.5	5 ST
p-Xylene	U	U	U						0.5	5 ST
o-Xylene	U	U	U						0.5	5 ST
Styrene	U	U	U						0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U						0.5	5 ST
n-Propylbenzene	U	NA	U						0.5	5 ST
1,3,5-Trimethylbenzene	U	NA	U						0.5	5 ST
2-Chlorotoluene	U	NA	U						0.5	5 ST
4-Chlorotoluene	U	NA	U						0.5	5 ST
tert-Butylbenzene	U	NA	U						0.5	5 ST
1,2,4-Trimethylbenzene	U	NA	U						0.5	5 ST
sec-Butylbenzene	U	NA	U						0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	NA	U						0.5	5 ST
n-Butylbenzene	U	NA	U						0.5	5 ST
1,1,2-Trichlorotrifluoroethane	NA	U	2 J						0.5	5 ST
1,2-Dibromo-3-chloropropane	NA	U	U						0.5	0.04 ST
1,2-Dibromoethane	NA	U	U						0.5	0.0006 ST
2-Butanone	NA	U	U						0.5	50 GV
2-Hexanone	NA	U	U						0.5	50 GV
4-Methyl-2-pentanone	NA	U	U						0.5	----
Acetone	NA	U	U						0.5	50 GV
Carbon Disulfide	NA	U	U						0.5	----
Methyl Acetate	NA	U	NA						0.5	----
Methylcyclohexane	NA	U	NA						0.5	----
Total VOCs	1310	1599	1008	0	0	0	0	0		----

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
- 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**
- NA: Not Analyzed for

TABLE 2
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-4	MW-4	MW-4	MW-4	MW-4	MW-4	Contract	NYSDEC Class GA
Sample Depth, ft	180-200	180-200	180-200	180-200	180-200	180-200	180-200	180-200	Required	Groundwater
Date of Collection	11/02/01	01/24/02	04/24/02	07/16/02	10/17/02	02/03/03	05/06/03	07/30/03	Detection	Standard or
Dilution Factor	1.0	1.0	50.0	1.0	10.0	10.0	1.0	1.0	Limit	Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	U	U	U	U	U	U	U	U	0.5	2 ST
Bromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloroethane	0.7	1	U	U	U	1	1.1	0.95	0.5	5 ST
Fluorotrichloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethene	1100 D	750 D	530 D	520 D	911 D	690 D	550 D	720 D	0.5	5 ST
Methylene Chloride	8.9	U	55 D	U	7	3	U*	3.6	0.5	5 ST
trans-1,2-Dichloroethene	0.8	U	U	U	U	U	0.54	1.5	0.5	5 ST
1,1-Dichloroethane	310 D	280 D	180 D	170 D	310	250 D	250 D	200 D	0.5	5 ST
2,2-Dichloropropane	**	U	**	U	U	U	U	U	0.5	5 ST
cis-1,2-Dichloroethene	82 **E	64 D	43 **D	38 D	64	57 D	57 D	43 D	0.5	5 ST
Chloroform	2.4	3	U	37 BD	4 J	3	3.2	3	0.5	7 ST
Bromochloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1-Trichloroethane	350 D	280 D	180 D	170 D	320	270 D	190 D	210 D	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	U	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	1.2	U	0.5	5 ST
1,2-Dichloroethane	7	U	U	U	7	6	5.6	6.4	0.5	0.6 ST
Trichloroethene	1000 D	790 D	550 D	480 D	895 D	760 D	750 D	680 D	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	3.6	3	U	4	4 J	3	3	2.7	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	U	U	0.5	5 ST
Tetrachloroethene	150 D	130 D	38 D*	77 D	130	120 D	99 D	110 D	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	U	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	U	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Methyl-tert-butyl ether	U	U	U	U	U	U	U	U	0.5	----
Benzene	U	U	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	U	U	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Total VOCs	3015.4	2301	1576	1496	2652	2163	1910.64	1981.15		----

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
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-4	MW-4	MW-4	MW-4	MW-4	MW-4	Contract	NYSDEC Class GA
Sample Depth, ft	180-200	180-200	180-200	180-200	180-200	180-200	180-200	180-200	Required	Groundwater
Date of Collection	12/09/03	03/10/04	38328						Detection	Standard or
Dilution Factor	10.0	1.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U						0.5	5 ST
Chloromethane	U	U	U						0.5	5 ST
Vinyl Chloride	U	U	U						0.5	2 ST
Bromomethane	U	U	U						0.5	5 ST
Chloroethane	U	1 J	U						0.5	5 ST
Fluorotrichloromethane	U	U	U						0.5	5 ST
1,1-Dichloroethene	600 D	850 D	620 D						0.5	5 ST
Methylene Chloride	U	3 J	2 J						0.5	5 ST
trans-1,2-Dichloroethene	U	U	U						0.5	5 ST
1,1-Dichloroethane	200	210 D	150 D						0.5	5 ST
2,2-Dichloropropane	U	NA	U						0.5	5 ST
cis-1,2-Dichloroethene	45	47	36						0.5	5 ST
Chloroform	U	3 J	3 J						0.5	7 ST
Bromochloromethane	U	NA	U						0.5	5 ST
1,1,1-Trichloroethane	250	280 D	230 D						0.5	5 ST
1,1-Dichlorpropene	U	NA	U						0.5	5 ST
Carbon Tetrachloride	U*	U	39						0.5	5 ST
1,2-Dichloroethane	8.1	7 J	7						0.5	0.6 ST
Trichloroethene	680 D	780 D	630 D						0.5	5 ST
1,2-Dichloropropane	U	U	U						0.5	1 ST
Bromodichloromethane	U	U	U						0.5	50GV
Dibromomethane	U	NA	U						0.5	5 ST
cis-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	3 J						0.5	1 ST
1,3-Dichloropropane	U	NA	U						0.5	5 ST
Tetrachloroethene	120	140	150						0.5	5 ST
Dibromochloromethane	U	U	U						0.5	50GV
Chlorobenzene	U	U	U						0.5	5 ST
1,1,1,2-Tetrachloroethane	U	NA	U						0.5	5 ST
Bromoform	U	U	U						0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U						0.5	5 ST
1,2,3-Trichloropropane	U	NA	U						0.5	0.04 ST
Bromobenzene	U	NA	U						0.5	5 ST
1,3-Dichlorobenzene	U	U	U						0.5	3 ST
1,4-Dichlorobenzene	U	0.4 J	U						0.5	3 ST
1,2-Dichlorobenzene	U	U	U						0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U						0.5	5 ST
Hexchlorobutadiene	U	NA	U						0.5	0.5 ST
1,2,3-Trichlorobenzene	U	NA	U						0.5	5 ST
Methyl-tert-butyl ether	U	U	U						0.5	---
Benzene	U	0.2 J	U						0.5	1 ST
Toluene	U	U	U						0.5	5 ST
Ethylbenzene	U	U	U						0.5	5 ST
m-Xylene	U	U	U						0.5	5 ST
p-Xylene	U	U	U						0.5	5 ST
o-Xylene	U	U	U						0.5	5 ST
Styrene	U	U	U						0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U						0.5	5 ST
n-Propylbenzene	U	NA	U						0.5	5 ST
1,3,5-Trimethylbenzene	U	NA	U						0.5	5 ST
2-Chlorotoluene	U	NA	U						0.5	5 ST
4-Chlorotoluene	U	NA	U						0.5	5 ST
tert-Butylbenzene	U	NA	U						0.5	5 ST
1,2,4-Trimethylbenzene	U	NA	U						0.5	5 ST
sec-Butylbenzene	U	NA	U						0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	NA	U						0.5	5 ST
n-Butylbenzene	U	NA	U						0.5	5 ST
1,1,2-Trichlorotrifluoroethane	NA	U	7						0.5	5 ST
1,2-Dibromo-3-chloropropane	NA	U	U						0.5	0.04 ST
1,2-Dibromoethane	NA	U	U						0.5	0.0006 ST
2-Butanone	NA	U	U						0.5	50 GV
2-Hexanone	NA	U	U						0.5	50 GV
4-Methyl-2-pentanone	NA	U	U						0.5	---
Acetone	NA	U	U						0.5	50 GV
Carbon Disulfide	NA	U	U						0.5	---
Methyl Acetate	NA	U	NA						0.5	---
Methylcyclohexane	NA	U	NA						0.5	---
Total VOCs	1903.1	2321.6	1870	0	0	0	0	0		---

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
NA: Not Analyzed for

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

Sample Identification	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5***	MW-5	Contract	NYSDEC Class GA
Sample Depth, ft	90-110	90-110	90-110	90-110	90-110	90-110	90-110	90-110	Required	Groundwater
Date of Collection	11/05/01	01/24/02	04/25/02	07/17/02	10/18/02	01/30/03	05/07/03	07/29/03	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	5.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	U	U	U	U	U	U	U	U	0.5	2 ST
Bromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloroethane	U	U	U	U	U	U	0.68	U	0.5	5 ST
Fluorotrichloromethane	U	U	U	U	U		U	U	0.5	5 ST
1,1-Dichloroethene	11	10	3	2	8	55 D	180 D	17	0.5	5 ST
Methylene Chloride	U	U	U	U	U	U	U*	U*	0.5	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethane	1.5	2	0.8	U	2	13	50 D	6.4	0.5	5 ST
2,2-Dichloropropane	U	U	U	U	U	U	U	U	0.5	5 ST
cis-1,2-Dichloroethene	U	0.5	1	6	12	6	9.4	U	0.5	5 ST
Chloroform	U	U	0.3 J	U	U	U	1.2	0.55	0.5	7 ST
Bromochloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1-Trichloroethane	15	15	4	3	7	39	190 D	35	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	U	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	0.74	U	0.5	5 ST
1,2-Dichloroethane	U	U	U	U	U	U	0.99	U	0.5	0.6 ST
Trichloroethene	2.5	2	2	1	7	35	84 D	2.6	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	U	U	0.5	5 ST
Tetrachloroethene	3.7	16	25	19	9	18	64 D	11	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	U	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	U	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Methyl-tert-butyl ether	U	U	U	U	U	U	0.72	U	0.5	—
Benzene	U	U	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	U	U	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Total VOCs	33.7	45.5	36.1	31	45	166	581.73	72.55		—

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

***: Based upon review of historical results and the 8th quarter results it appears that samples MW-5 and MW-6 were inadvertantly switched during the May 2003 sampling event.

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

Sample Identification	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5***	MW-5	Contract	NYSDEC Class GA
Sample Depth, ft	90-110	90-110	90-110	90-110	90-110	90-110	90-110	90-110	Required	Groundwater
Date of Collection	12/10/03	03/08/04	12/07/04						Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	5.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U						0.5	5 ST
Chloromethane	U	U	U						0.5	5 ST
Vinyl Chloride	U	U	U						0.5	2 ST
Bromomethane	U	U	U						0.5	5 ST
Chloroethane	U	U	4 J						0.5	5 ST
Fluorotrichloromethane	U	U	U						0.5	5 ST
1,1-Dichloroethene	13	21	210 D						0.5	5 ST
Methylene Chloride	U	U	U						0.5	5 ST
trans-1,2-Dichloroethene	U	U	U						0.5	5 ST
1,1-Dichloroethane	5.6	11	140						0.5	5 ST
2,2-Dichloropropane	U	NA	U						0.5	5 ST
cis-1,2-Dichloroethene	U	U	U						0.5	5 ST
Chloroform	U	U	U						0.5	7 ST
Bromochloromethane	U	NA	U						0.5	5 ST
1,1,1-Trichloroethane	31	64	560 D						0.5	5 ST
1,1-Dichlorpropene	U	NA	U						0.5	5 ST
Carbon Tetrachloride	U*	U	82						0.5	5 ST
1,2-Dichloroethane	U	U	U						0.5	0.6 ST
Trichloroethene	1.4	1 J	13						0.5	5 ST
1,2-Dichloropropane	U	U	U						0.5	1 ST
Bromodichloromethane	U	U	U						0.5	50GV
Dibromomethane	U	NA	U						0.5	5 ST
cis-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U						0.5	1 ST
1,3-Dichloropropane	U	NA	U						0.5	5 ST
Tetrachloroethene	5.6	7 J	14						0.5	5 ST
Dibromochloromethane	U	U	U						0.5	50GV
Chlorobenzene	U	U	U						0.5	5 ST
1,1,1,2-Tetrachloroethane	U	NA	U						0.5	5 ST
Bromoform	U	U	U						0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U						0.5	5 ST
1,2,3-Trichloropropane	U	NA	U						0.5	0.04 ST
Bromobenzene	U	NA	U						0.5	5 ST
1,3-Dichlorobenzene	U	U	U						0.5	3 ST
1,4-Dichlorobenzene	U	U	U						0.5	3 ST
1,2-Dichlorobenzene	U	U	U						0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U						0.5	5 ST
Hexchlorobutadiene	U	NA	U						0.5	0.5 ST
1,2,3-Trichlorobenzene	U	NA	U						0.5	5 ST
Methyl-tert-butyl ether	U	0.5 J	U						0.5	---
Benzene	U	U	U						0.5	1 ST
Toluene	U	U	U						0.5	5 ST
Ethylbenzene	U	U	U						0.5	5 ST
m-Xylene	U	U	U						0.5	5 ST
p-Xylene	U	U	U						0.5	5 ST
o-Xylene	U	U	U						0.5	5 ST
Styrene	U	U	U						0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U						0.5	5 ST
n-Propylbenzene	U	NA	U						0.5	5 ST
1,3,5-Trimethylbenzene	U	NA	U						0.5	5 ST
2-Chlorotoluene	U	NA	U						0.5	5 ST
4-Chlorotoluene	U	NA	U						0.5	5 ST
tert-Butylbenzene	U	NA	U						0.5	5 ST
1,2,4-Trimethylbenzene	U	NA	U						0.5	5 ST
sec-Butylbenzene	U	NA	U						0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	NA	U						0.5	5 ST
n-Butylbenzene	U	NA	U						0.5	5 ST
1,1,2-Trichlorotrifluoroethane	NA	U	U						0.5	5 ST
1,2-Dibromo-3-chloropropane	NA	U	U						0.5	0.04 ST
1,2-Dibromoethane	NA	U	U						0.5	0.0006 ST
2-Butanone	NA	U	U						0.5	50 GV
2-Hexanone	NA	U	U						0.5	50 GV
4-Methyl-2-pentanone	NA	U	U						0.5	---
Acetone	NA	U	U						0.5	50 GV
Carbon Disulfide	NA	U	U						0.5	---
Methyl Acetate	NA	U	NA						0.5	---
Methylcyclohexane	NA	U	NA						0.5	---
Total VOCs	56.6	104.5	1023	0	0	0	0	0		---

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
NA: Not Analyzed for

***: Based upon review of historical results and the 8th quarter results it appears that samples MW-5 and MW-6 were inadvertantly switched during the May 2003 sampling event.

TABLE 2
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-6	MW-6	MW-6***	MW-6	Contract	NYSDEC Class GA
Sample Depth, ft	110-130	110-130	110-130	110-130	110-130	110-130	110-130	110-130	Required	Groundwater
Date of Collection	11/05/01	01/25/02	04/26/02	07/17/02	10/18/02	01/30/03	05/07/03	07/29/03	Detection	Standard or
Dilution Factor	1.0	1.0	10.0	1.0	5.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	U	U	U	U	U	U	U	U	0.5	2 ST
Bromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloroethane	U	U	U	U	U	U	U	1.4	0.5	5 ST
Fluorotrichloromethane	U	U	1 J	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethene	270 D	72 D	100 D	99 D	135	150 D	36	190 D	0.5	5 ST
Methylene Chloride	1.3	U	U	5 D	U	12	U	U*	0.5	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethane	52 D	36	33	29	31	47 D	8.4	68 D	0.5	5 ST
2,2-Dichloropropane	**	U	**	U	U	U	U	U	0.5	5 ST
cis-1,2-Dichloroethene	22 **	13	9 **	9	21	15	2.5	7.4	0.5	5 ST
Chloroform	1.1	U	1	U	U	1	U	1.4	0.5	7 ST
Bromochloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1-Trichloroethane	240 D	89 D	96 D	90 D	122	170 D	23	270 D	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	U	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	U	U	0.5	5 ST
1,2-Dichloroethane	0.8	U	U	U	U	U	U	U	0.5	0.6 ST
Trichloroethene	93 D	54 D	43	51 D	59	89 D	27	45 D	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	U	U	0.5	5 ST
Tetrachloroethene	80 D	37 D	68 E	47 D	60	58 D	15	56 D	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	U	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	U	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	1 B	U	U	U	U	U	U	U	0.5	5 ST
Methyl-tert-butyl ether	U	U	U	U	U	U	U	U	0.5	----
Benzene	U	U	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	U	U	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Total VOCs	761.2	301	351	330	428	542	111.9	639.2		----

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

***: Based upon review of historical results and the 8th quarter results it appears that samples MW-5 and MW-6 were inadvertantly switched during the May 2003 sampling event.

TABLE 2
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-6	MW-6	MW-6***	MW-6	Contract Required Detection Limit	NYSDEC Class GA Groundwater Standard or Guidance Value
Sample Depth, ft	110-130	110-130	110-130	110-130	110-130	110-130	110-130	110-130		
Date of Collection	12/10/03	03/08/04	12/07/04							
Dilution Factor	1.0	1.0	10.0	1.0	5.0	1.0	1.0	1.0		
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U						0.5	5 ST
Chloromethane	U	U	U						0.5	5 ST
Vinyl Chloride	U	U	5						0.5	2 ST
Bromomethane	U	U	U						0.5	5 ST
Chloroethane	2	2 J	22						0.5	5 ST
Fluorotrichloromethane	U	U	U						0.5	5 ST
1,1-Dichloroethene	**180 D**	**290 D**	**970 D**						0.5	5 ST
Methylene Chloride	0.58	U	7						0.5	5 ST
trans-1,2-Dichloroethene	U	U	U						0.5	5 ST
1,1-Dichloroethane	**83 D**	**130**	**1700 D**						0.5	5 ST
2,2-Dichloropropane	U	NA	U						0.5	5 ST
cis-1,2-Dichloroethene	**10**	**13**	12						0.5	5 ST
Chloroform	1.4	1	U						0.5	7 ST
Bromochloromethane	U	NA	U						0.5	5 ST
1,1,1-Trichloroethane	**300 D**	**480 D**	**2300 D**						0.5	5 ST
1,1-Dichlorpropene	U	NA	U						0.5	5 ST
Carbon Tetrachloride	U*	U	**290 D**						0.5	5 ST
1,2-Dichloroethane	U*	U	U						0.5	0.6 ST
Trichloroethene	**60 D**	**110**	76						0.5	5 ST
1,2-Dichloropropane	U	U	U						0.5	1 ST
Bromodichloromethane	U	U	U						0.5	50GV
Dibromomethane	U	NA	U						0.5	5 ST
cis-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U						0.5	1 ST
1,3-Dichloropropane	U	NA	U						0.5	5 ST
Tetrachloroethene	**51 D**	**91**	**78**						0.5	5 ST
Dibromochloromethane	U	U	U						0.5	50GV
Chlorobenzene	U	U	U						0.5	5 ST
1,1,1,2-Tetrachloroethane	U	NA	U						0.5	5 ST
Bromoform	U	U	U						0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U						0.5	5 ST
1,2,3-Trichloropropane	U	NA	U						0.5	0.04 ST
Bromobenzene	U	NA	U						0.5	5 ST
1,3-Dichlorobenzene	U	U	U						0.5	3 ST
1,4-Dichlorobenzene	U	U	U						0.5	3 ST
1,2-Dichlorobenzene	U	U	U						0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U						0.5	5 ST
Hexchlorobutadiene	U	NA	U						0.5	0.5 ST
1,2,3-Trichlorobenzene	U	NA	U						0.5	5 ST
Methyl-tert-butyl ether	0.83	U	U						0.5	----
Benzene	U	U	U						0.5	1 ST
Toluene	U	U	U						0.5	5 ST
Ethylbenzene	U	U	U						0.5	5 ST
m-Xylene	U	U	U						0.5	5 ST
p-Xylene	U	U	U						0.5	5 ST
o-Xylene	U	U	U						0.5	5 ST
Styrene	U	U	U						0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U						0.5	5 ST
n-Propylbenzene	U	NA	U						0.5	5 ST
1,3,5-Trimethylbenzene	U	NA	U						0.5	5 ST
2-Chlorotoluene	U	NA	U						0.5	5 ST
4-Chlorotoluene	U	NA	U						0.5	5 ST
tert-Butylbenzene	U	NA	U						0.5	5 ST
1,2,4-Trimethylbenzene	U	NA	U						0.5	5 ST
sec-Butylbenzene	U	NA	U						0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	NA	U						0.5	5 ST
n-Butylbenzene	U	NA	U						0.5	5 ST
1,1,2-Trichlorotrifluoroethane	NA	U	5 J						0.5	5 ST
1,2-Dibromo-3-chloropropane	NA	U	U						0.5	0.04 ST
1,2-Dibromoethane	NA	U	U						0.5	0.0006 ST
2-Butanone	NA	U	U						0.5	50 GV
2-Hexanone	NA	U	U						0.5	50 GV
4-Methyl-2-pentanone	NA	U	U						0.5	----
Acetone	NA	U	U						0.5	50 GV
Carbon Disulfide	NA	U	U						0.5	----
Methyl Acetate	NA	U	NA						0.5	----
Methylcyclohexane	NA	U	NA						0.5	----
Total VOCs	688.81	1117	5460	0	0	0	0	0		----

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
NA: Not Analyzed for

***: Based upon review of historical results and the 8th quarter results it appears that samples MW-5 and MW-6 were inadvertantly switched during the May 2003 sampling event.

TABLE 2
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-7	MW-7	MW-7	MW-7	MW-7	MW-7	Contract	NYSDEC Class GA
Sample Depth, ft	90-110	90-110	90-110	90-110	90-110	90-110	90-110	90-110	Required	Groundwater
Date of Collection	11/05/01	01/25/02	04/24/02	07/16/02	10/18/02	01/29/03	05/07/03	07/30/03	Detection	Standard or
Dilution Factor	1.0	1.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	U	U	U	U	U	U	U	U	0.5	2 ST
Bromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
Fluorotrichloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethene	U	0.5	0.7	2	0.5	0.6	0.74	1.8	0.5	5 ST
Methylene Chloride	U	U	U	U	U	U	U	U	0.5	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethane	0.7	1	1	2	1	2	1.4	1.8	0.5	5 ST
2,2-Dichloropropane	**	U	**	U	U	U	U	U	0.5	5 ST
cis-1,2-Dichloroethene	23 **	18	15 **	18	22	27	15	19	0.5	5 ST
Chloroform	U	U	U	U	U	U	U	U	0.5	7 ST
Bromochloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1-Trichloroethane	U	0.5	0.6	2	0.5	0.7	0.7	1.1	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	U	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	U	U	0.5	5 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0.5	0.6 ST
Trichloroethene	2	3	3	8	4	4	2.6	6	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	U	U	0.5	5 ST
Tetrachloroethene	5.2	6	4	6	U	7	5.3	7.8	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	U	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	U	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Methyl-tert-butyl ether	U	U	U	2	U	2	1.6	3.7	0.5	----
Benzene	U	U	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	U	U	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Total VOCs	30.9	29	24.3	40	28	43.3	27.34	41.2		----

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
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-7	MW-7	MW-7	MW-7	MW-7	MW-7	Contract	NYSDEC Class GA
Sample Depth, ft	90-110	90-110	90-110	90-110	90-110	90-110	90-110	90-110	Required	Groundwater
Date of Collection	12/10/03	03/08/04	12/07/04						Detection	Standard or
Dilution Factor	1.0	1.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U						0.5	5 ST
Chloromethane	U	U	U						0.5	5 ST
Vinyl Chloride	U	U	U						0.5	2 ST
Bromomethane	U	U	U						0.5	5 ST
Chloroethane	U	U	U						0.5	5 ST
Fluorotrichloromethane	U	U	U						0.5	5 ST
1,1-Dichloroethene	0.47 J	U	U						0.5	5 ST
Methylene Chloride	U	U	U						0.5	5 ST
trans-1,2-Dichloroethene	U	U	U						0.5	5 ST
1,1-Dichloroethane	1	1 J	U						0.5	5 ST
2,2-Dichloropropane	U	NA	U						0.5	5 ST
cis-1,2-Dichloroethene	12	12	8						0.5	5 ST
Chloroform	U	U	U						0.5	7 ST
Bromochloromethane	U	NA	U						0.5	5 ST
1,1,1-Trichloroethane	U	0.3 J	U						0.5	5 ST
1,1-Dichlorpropene	U	NA	U						0.5	5 ST
Carbon Tetrachloride	U	U	U						0.5	5 ST
1,2-Dichloroethane	U	U	U						0.5	0.6 ST
Trichloroethene	1.6	2 J	1 J						0.5	5 ST
1,2-Dichloropropane	U	U	U						0.5	1 ST
Bromodichloromethane	U	U	U						0.5	50GV
Dibromomethane	U	NA	U						0.5	5 ST
cis-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U						0.5	1 ST
1,3-Dichloropropane	U	NA	U						0.5	5 ST
Tetrachloroethene	4.1	5 J	2 J						0.5	5 ST
Dibromochloromethane	U	U	U						0.5	50GV
Chlorobenzene	U	U	U						0.5	5 ST
1,1,1,2-Tetrachloroethane	U	NA	U						0.5	5 ST
Bromoform	U	U	U						0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U						0.5	5 ST
1,2,3-Trichloropropane	U	NA	U						0.5	0.04 ST
Bromobenzene	U	NA	U						0.5	5 ST
1,3-Dichlorobenzene	U	U	U						0.5	3 ST
1,4-Dichlorobenzene	U	U	U						0.5	3 ST
1,2-Dichlorobenzene	U	U	U						0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U						0.5	5 ST
Hexchlorobutadiene	U	NA	U						0.5	0.5 ST
1,2,3-Trichlorobenzene	U	NA	U						0.5	5 ST
Methyl-tert-butyl ether	1.1	0.8 J	U						0.5	----
Benzene	U	U	U						0.5	1 ST
Toluene	U	U	U						0.5	5 ST
Ethylbenzene	U	U	U						0.5	5 ST
m-Xylene	U	U	U						0.5	5 ST
p-Xylene	U	U	U						0.5	5 ST
o-Xylene	U	U	U						0.5	5 ST
Styrene	U	U	U						0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U						0.5	5 ST
n-Propylbenzene	U	NA	U						0.5	5 ST
1,3,5-Trimethylbenzene	U	NA	U						0.5	5 ST
2-Chlorotoluene	U	NA	U						0.5	5 ST
4-Chlorotoluene	U	NA	U						0.5	5 ST
tert-Butylbenzene	U	NA	U						0.5	5 ST
1,2,4-Trimethylbenzene	U	NA	U						0.5	5 ST
sec-Butylbenzene	U	NA	U						0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	NA	U						0.5	5 ST
n-Butylbenzene	U	NA	U						0.5	5 ST
1,1,2-Trichlorotrifluoroethane	NA	U	U						0.5	5 ST
1,2-Dibromo-3-chloropropane	NA	U	U						0.5	0.04 ST
1,2-Dibromoethane	NA	U	U						0.5	0.0006 ST
2-Butanone	NA	U	U						0.5	50 GV
2-Hexanone	NA	U	U						0.5	50 GV
4-Methyl-2-pentanone	NA	U	U						0.5	----
Acetone	NA	U	U						0.5	50 GV
Carbon Disulfide	NA	U	U						0.5	----
Methyl Acetate	NA	U	NA						0.5	----
Methylcyclohexane	NA	U	NA						0.5	----
Total VOCs	20.27	21.1	11	0	0	0	0	0		----

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
NA: Not Analyzed for

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

Sample Identification	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	Contract	NYSDEC Class GA
Sample Depth, ft	120-140	120-140	120-140	120-140	120-140	120-140	120-140	120-140	Required	Groundwater
Date of Collection	11/05/01	01/25/02	04/24/02	07/17/02	10/18/02	01/29/03	05/07/03	07/30/03	Detection	Standard or
Dilution Factor	1.0	1.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	U	U	U	U	U	U	U	U	0.5	2 ST
Bromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
Fluorotrichloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethene	U	0.8	U	0.5	1	1	1.5	2.3	0.5	5 ST
Methylene Chloride	U	0.6	U	U	U	U	U	U	0.5	5 ST
trans-1,2-Dichloroethene	U	U	0.9	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethane	1.3	2	2	1	3	3	2.7	3.4	0.5	5 ST
2,2-Dichloropropane	**	U	**	U	U	U	U	U	0.5	5 ST
cis-1,2-Dichloroethene	1.7 **	2	2 **	2	4	4	3.5	4.3	0.5	5 ST
Chloroform	U	U	U	U	U	U	0.57	U	0.5	7 ST
Bromochloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1-Trichloroethane	0.7	0.7	0.8	U	1	1	1.3	1.4	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	U	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	U	U	0.5	5 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0.5	0.6 ST
Trichloroethene	1.1	2	U*	0.8	2	2	2.3	3.6	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	U	U	0.5	5 ST
Tetrachloroethene	1.1	1	1	0.8	2	3	1.5	2.9	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	U	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	U	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Methyl-tert-butyl ether	U	U	U	U	U	U	U	U	0.5	----
Benzene	U	U	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	U	U	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	U	U	U	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Total VOCs	5.9	9.1	6.7	5.1	13	14	13.37	17.9		----

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

Sample Identification	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	Contract	NYSDEC Class GA
Sample Depth, ft	120-140	120-140	120-140	120-140	120-140	120-140	120-140	120-140	Required	Groundwater
Date of Collection	12/10/03	03/08/04	12/07/04						Detection	Standard or
Dilution Factor	1.0	1.0	1.0						Limit	Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)						(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U						0.5	5 ST
Chloromethane	U	U	U						0.5	5 ST
Vinyl Chloride	U	U	U						0.5	2 ST
Bromomethane	U	U	U						0.5	5 ST
Chloroethane	U	U	U						0.5	5 ST
Fluorotrichloromethane	U	U	U						0.5	5 ST
1,1-Dichloroethene	1.4	1 J	2 J						0.5	5 ST
Methylene Chloride	U	U	U						0.5	5 ST
trans-1,2-Dichloroethene	U	U	U						0.5	5 ST
1,1-Dichloroethane	3	3 J	3 J						0.5	5 ST
2,2-Dichloropropane	U	NA	U						0.5	5 ST
cis-1,2-Dichloroethene	3.6	3 J	3 J						0.5	5 ST
Chloroform	U	0.3 J	U						0.5	7 ST
Bromochloromethane	U	NA	U						0.5	5 ST
1,1,1-Trichloroethane	1.3	1 J	1 J						0.5	5 ST
1,1-Dichlorpropene	U	NA	U						0.5	5 ST
Carbon Tetrachloride	U	U	U						0.5	5 ST
1,2-Dichloroethane	U	U	U						0.5	0.6 ST
Trichloroethene	2.4	2 J	2 J						0.5	5 ST
1,2-Dichloropropane	U	U	U						0.5	1 ST
Bromodichloromethane	U	U	U						0.5	50GV
Dibromomethane	U	NA	U						0.5	5 ST
cis-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U						0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U						0.5	1 ST
1,3-Dichloropropane	U	NA	U						0.5	5 ST
Tetrachloroethene	2.3	2 J	2 J						0.5	5 ST
Dibromochloromethane	U	U	U						0.5	50GV
Chlorobenzene	U	U	U						0.5	5 ST
1,1,1,2-Tetrachloroethane	U	NA	U						0.5	5 ST
Bromoform	U	U	U						0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U						0.5	5 ST
1,2,3-Trichloropropane	U	NA	U						0.5	0.04 ST
Bromobenzene	U	NA	U						0.5	5 ST
1,3-Dichlorobenzene	U	U	U						0.5	3 ST
1,4-Dichlorobenzene	U	U	U						0.5	3 ST
1,2-Dichlorobenzene	U	U	U						0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U						0.5	5 ST
Hexchlorobutadiene	U	NA	U						0.5	0.5 ST
1,2,3-Trichlorobenzene	U	NA	U						0.5	5 ST
Methyl-tert-butyl ether	U	U	U						0.5	----
Benzene	U	U	U						0.5	1 ST
Toluene	U	U	U						0.5	5 ST
Ethylbenzene	U	U	U						0.5	5 ST
m-Xylene	U	U	U						0.5	5 ST
p-Xylene	U	U	U						0.5	5 ST
o-Xylene	U	U	U						0.5	5 ST
Styrene	U	U	U						0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U						0.5	5 ST
n-Propylbenzene	U	NA	U						0.5	5 ST
1,3,5-Trimethylbenzene	U	NA	U						0.5	5 ST
2-Chlorotoluene	U	NA	U						0.5	5 ST
4-Chlorotoluene	U	NA	U						0.5	5 ST
tert-Butylbenzene	U	NA	U						0.5	5 ST
1,2,4-Trimethylbenzene	U	NA	U						0.5	5 ST
sec-Butylbenzene	U	NA	U						0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	NA	U						0.5	5 ST
n-Butylbenzene	U	NA	U						0.5	5 ST
1,1,2-Trichlorotrifluoroethane	NA	U	U						0.5	5 ST
1,2-Dibromo-3-chloropropane	NA	U	U						0.5	0.04 ST
1,2-Dibromoethane	NA	U	U						0.5	0.0008 ST
2-Butanone	NA	U	U						0.5	50 GV
2-Hexanone	NA	U	U						0.5	50 GV
4-Methyl-2-pentanone	NA	U	U						0.5	----
Acetone	NA	U	U						0.5	50 GV
Carbon Disulfide	NA	U	U						0.5	----
Methyl Acetate	NA	U	NA						0.5	----
Methylcyclohexane	NA	U	NA						0.5	----
Total VOCs	14	12.3	13	0	0	0	0	0		----

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
NA: Not Analyzed for

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

Sample Identification	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	Contract	NYSDEC Class GA
Sample Depth, ft	310-315	310-315	310-315	310-315	310-315	310-315	310-315	310-315	Required	Groundwater
Date of Collection	07/17/02	10/18/02	02/03/03	05/09/03	08/01/03	12/08/03	03/10/04	12/09/04	Detection	Standard or
Dilution Factor	1.0	1.0	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)	(ug/l)	(ug/l)
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
Vinyl Chloride	U	U	U	U	U	U	U	U	0.5	2 ST
Bromomethane	U	U	U	U	U	U	U	U	0.5	5 ST
Chloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
Fluorotrichloromethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethene	1	2	U*	1.3	1.3	1.5	0.7 J	U	0.5	5 ST
Methylene Chloride	U	U	0.8	U	U	U	U	U	0.5	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	0.5	5 ST
1,1-Dichloroethane	U	U	U*	U	U	U	U	U	0.5	5 ST
2,2-Dichloropropane	**	U	U	U	U	U	NA	U	0.5	5 ST
cis-1,2-Dichloroethene	0.8 **	1	1	0.81	0.67	0.63	U	U	0.5	5 ST
Chloroform	U	U	U	U	0.72	0.73	0.8 J	1 J	0.5	7 ST
Bromochloromethane	U	U	U	U	U	U	NA	U	0.5	5 ST
1,1,1-Trichloroethane	2	2	U*	1.6	1.5	1.5	1 J	1 J	0.5	5 ST
1,1-Dichlorpropene	U	U	U	U	U	U	NA	U	0.5	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	U	U	0.5	5 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0.5	0.6 ST
Trichloroethene	15	21	22	13	13	11	8	5 J	0.5	5 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	0.5	1 ST
Bromodichloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Dibromomethane	U	U	U	U	U	U	NA	U	0.5	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.5	0.4 ST *
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	0.5	1 ST
1,3-Dichloropropane	U	U	U	U	U	U	NA	U	0.5	5 ST
Tetrachloroethene	1	1	2	0.67	1.1	1.3	0.6 J	U	0.5	5 ST
Dibromochloromethane	U	U	U	U	U	U	U	U	0.5	50GV
Chlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	NA	U	0.5	5 ST
Bromoform	U	U	U	U	U	U	U	U	0.5	50GV
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	0.5	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	NA	U	0.5	0.04 ST
Bromobenzene	U	U	U	U	U	U	NA	U	0.5	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	0.5	3 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5	5 ST
Hexchlorobutadiene	U	U	U	U	U	U	NA	U	0.5	0.5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	NA	U	0.5	5 ST
Methyl-tert-butyl ether	U	U	U	0.51	U	U	U	U	0.5	----
Benzene	U	U	U	U	U	U	U	U	0.5	1 ST
Toluene	U	U	U	U	U	U	U	U	0.5	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	0.5	5 ST
m-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
p-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
o-Xylene	U	U	U	U	U	U	U	U	0.5	5 ST
Styrene	U	U	U	U	U	U	U	U	0.5	5 ST
Isopropylbenzene (Cumene)	U	U	U	U	U	U	U	U	0.5	5 ST
n-Propylbenzene	U	U	U	U	U	U	NA	U	0.5	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	NA	U	0.5	5 ST
2-Chlorotoluene	U	U	U	U	U	U	NA	U	0.5	5 ST
4-Chlorotoluene	U	U	U	U	U	U	NA	U	0.5	5 ST
tert-Butylbenzene	U	U	U	U	U	U	NA	U	0.5	5 ST
1,2,4-Trimethylbenzene	U	U	U	U	U	U	NA	U	0.5	5 ST
sec-Butylbenzene	U	U	U	U	U	U	NA	U	0.5	5 ST
p-Isopropyltoluene(p-Cymene)	U	U	U	U	U	U	NA	U	0.5	5 ST
n-Butylbenzene	U	U	U	U	U	U	NA	U	0.5	5 ST
1,1,2-Trichlorotrifluoroethane	NA	NA	NA	NA	NA	NA	U	U	0.5	5 ST
1,2-Dibromo-3-chloropropane	NA	NA	NA	NA	NA	NA	U	U	0.5	0.04 ST
1,2-Dibromoethane	NA	NA	NA	NA	NA	NA	U	U	0.5	0.0006 ST
2-Butanone	NA	NA	NA	NA	NA	NA	U	U	0.5	50 GV
2-Hexanone	NA	NA	NA	NA	NA	NA	U	U	0.5	50 GV
4-Methyl-2-pentanone	NA	NA	NA	NA	NA	NA	U	U	0.5	----
Acetone	NA	NA	NA	NA	NA	NA	U	U	0.5	50 GV
Carbon Disulfide	NA	NA	NA	NA	NA	NA	U	U	0.5	----
Methyl Acetate	NA	NA	NA	NA	NA	NA	U	NA	0.5	----
Methylcyclohexane	NA	NA	NA	NA	NA	NA	U	NA	0.5	----
Total VOCs	19.8	27.0	25.8	17.9	18.3	16.66	11.1	7		----

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
NA: Not Analyzed for

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

Sample Identification	EW-1B	EW-1B	EW-1B	EW-1B	EW-1B	EW-1B	EW-1B	EW-1B	EW-1B	Contract
Sample Depth, ft	154-164	154-164	154-164	154-164	154-164	154-164	154-164	154-164	154-164	Required
Date of Collection	09/25/01	01/28/02	04/25/02	07/19/02	10/16/02	01/29/03	05/08/03	07/30/03	12/09/03	Detection
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit
Units	(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	0.0438 B	U	U	U	U	0.05
Total Organic Carbon	U	1.1	2	2.7	U	U	U	U	U	5
Alkalinity	20.6	18	20	18	18	17	16	17	18	10
Chloride	26.9	31.9	33.5	31.2	30	36.6	31	32.2	43	3
Nitrate	6.071	6.3	6	6.4	6.2	5.8	5.9	5.7	6.4	0.05
Sulfate	21.9	23.5	23.1	21.9	23.7	22.9	23.8	20.6	22.1	5
Carbon Dioxide	79.8	60	U	64	77	58	57	65	U	NA
Methane	0.005	U	U	U	U	U	0.0006 J	0.001	U	0.002

Sample Identification	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	Contract
Sample Depth, ft	506-516	506-516	506-516	506-516	506-516	506-516	506-516	506-516	506-516	Required
Date of Collection	09/25/01	01/28/02	04/25/02	07/19/02	10/16/02	01/29/03	05/08/03	07/30/03	12/11/03	Detection
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit
Units	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Ferrous Iron*	0.157	U	0.248	0.316	0.37	1.05	0.701	0.513	0.747	0.05
Total Organic Carbon	U	U	U	1.400	U	U	U	U	U	5
Alkalinity	10.2	10	12	11.0	11.0	11.0	10.0	12.0	12	10
Chloride	9.81	13.3	13.6	13.7	13.9	14.5	18.7	14.8	14	3
Nitrate	5.591	6	6	6.3	6.3	6.1	5.9	6.3	6.4	0.05
Sulfate	U	2.3	1.4	U	2.0	U	2.2	1.6	3.6	5
Carbon Dioxide	72.9	13	14	17	21	18	14	16	U	NA
Methane	0.009	U	U	U	U	U	0.0006 J	U	U	0.002

QUALIFIERS:
U: Compound analyzed for but not detected
NA: Not Available
B: Concentration was above IDL but less than CRDL
J: Compound detected at a concentration below the CRDL, value estimated

NOTES:
ST: Standard
---: Not established
*: Sample analyzed for Total Iron instead of Ferrous Iron

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

Sample Identification	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	Contract
Sample Depth, ft	132-142	132-142	132-142	132-142	132-142	132-142	132-142	132-142	132-142	Required
Date of Collection	09/25/01	01/28/02	04/25/02	07/19/02	10/16/02	01/30/03	05/08/03	07/28/03	12/10/03	Detection
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit
Units	(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	U	U	U	U	U	U	0.05
Total Organic Carbon	U	1	1.2	2	2.9	U	U	U	U	5
Alkalinity	15	14	14	13	13	13	13	12	14.0	10
Chloride	30.3	35.8	35.9	36.8	36.7	37.7	35.7	34.9	34	3
Nitrate	2.194	2.2	2.1	2.3	2.3	2.4	2.4	2.5	2.6	0.05
Sulfate	17.1	12.4	9.7	9.5	12.8	13.1	12.5	11.2	10.3	5
Carbon Dioxide	60.6	60	56	67	72	64	60	67.6	11	NA
Methane	0.11	0.048	0.004 J	0.056	0.022	U	0.032	0.032	0.033	0.002

Sample Identification	EW-2C	EW-2C	EW-2C	EW-2C	EW-2C	EW-2C	EW-2C	EW-2C	EW-2C	Contract
Sample Depth, ft	504-514	504-514	504-514	504-514	504-514	504-514	504-514	504-514	504-514	Required
Date of Collection	09/25/01	01/28/02	04/25/02	07/19/02	10/16/02	01/30/03	05/08/03	07/29/03	12/11/03	Detection
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit
Units	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Ferrous Iron*	0.339	0.858	0.551	U	1.27	0.817	0.795	0.552	1.09	0.05
Total Organic Carbon	U	1.4	U	U	1	U	U	U	U	5
Alkalinity	10.6	10	10	10	10	10	11	10	12	10
Chloride	4.11	7	6.8	6.8	6.9	7.1	7.6	7.3	8	3
Nitrate	1.773	1.9	1.9	1.9	2	1.8	2	1.9	2.2	0.05
Sulfate	U	2.7	1.5	U	U	U	1.3	U	1.9	5
Carbon Dioxide	17.4	13	10	14	25	13	14	12	U	NA
Methane	0.007	U	0.074	U	U	U	0.001	U	U	0.002

QUALIFIERS:
U: Compound analyzed for but not detected
NA: Not Available
B: Concentration was above IDL but less than CRDL
J: Compound detected at a concentration below the CRDL, value estimated

NOTES:
ST: Standard
—: Not established
*: Sample analyzed for Total Iron instead of Ferrous Iron

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

Sample Identification	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	Contract
Sample Depth, ft	90-110	90-110	90-110	130-150	130-150	130-150	130-150	130-150	130-150	Required
Date of Collection	11/02/01	01/24/02	04/24/02	07/16/02	10/17/02	02/03/03	05/06/03	07/30/03	12/09/03	Detection
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit
Units	(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	U	U	U	U	U	U	0.05
Total Organic Carbon	U	4.1	1.9	2.1	2	U	U	U	U	5
Alkalinity	10	U	11	U	10	10	U	U	U	10
Chloride	38.8	48.9	50	59.7	51.2	56	69.2	64.3	64	3
Nitrate	5.553	4.1	4.5	5.3	5.2	5.2	5	4	4.4	0.05
Sulfate	24.2	26	27.3	29.4	25.2	29.5	28.8	30.4	28	5
Carbon Dioxide	66.3	78	66	U	89	69	U	U	U	NA
Methane	0.004	U	U	U	U	U	U	0.002	0.002	0.002

Sample Identification	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	Contract
Sample Depth, ft	110-130	110-130	110-130	110-130	110-130	110-130	110-130	110-130	110-130	Required
Date of Collection	11/02/01	01/24/02	04/24/02	07/16/02	10/18/02	02/03/03	05/06/03	07/30/03	12/09/03	Detection
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit
Units	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Ferrous Iron*	U	0.474	0.265	0.254	0.178	0.193	0.0912 B	0.204	0.189	0.05
Total Organic Carbon	U	3.5	2.7	2.6	4.4	U	U	U	U	5
Alkalinity	22	25	27	27	29	30	26	26	24	10
Chloride	33.5	37.5	37	36.6	34.2	38	37	41.2	42	3
Nitrate	6.813	6.7	7	5.1	5.6	6	6.3	5.9	6.4	0.05
Sulfate	20.9	22.8	22.5	18.9	18	19.8	19.7	19.5	19.5	5
Carbon Dioxide	408	62	62	83	84	70	75	72	U	NA
Methane	0.013	U	U	0.042	0.07 E	0.053 E	0.052	0.15	0.046	0.002

QUALIFIERS:
U: Compound analyzed for but not detected
NA: Not Available
B: Concentration was above IDL but less than CRDL
J: Compound detected at a concentration below the CRDL, value estimated
E: Concentration exceeds instrument calibration range, value estimated

NOTES:
ST: Standard
---: Not established
*: Sample analyzed for Total Iron instead of Ferrous Iron

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

Sample Identification	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	Contract
Sample Depth, ft	130-150	130-150	130-150	130-150	130-150	130-150	130-150	130-150	130-150	Required
Date of Collection	11/02/01	01/24/02	04/24/02	07/16/02	10/16/02	02/03/03	05/06/03	07/31/03	12/09/03	Detection
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit
Units	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Ferrous Iron*	U	7.58	5.03	3.95	3.28	3.92	5.56	1.68	1.37	0.05
Total Organic Carbon	5.505	4.3	2.7	2.3	3.9	U	U	U	U	5
Alkalinity	18	27	18	15	U	U	U	U	10	10
Chloride	36	39.9	35.7	37.6	35.2	38.6	37.8	41.3	38	3
Nitrate	6.505	4.4	4.9	5.1	2.5	4.5	5	5.6	5.1	0.05
Sulfate	21.1	12.4	17.2	18.9	16.5	21.3	21.8	23.9	22.6	5
Carbon Dioxide	369	71	72	83	U	U	U	U	U	NA
Methane	1.2	0.097	0.11	0.14	0.077 E	0.071 E	0.053	0.064	0.022	0.002

Sample Identification	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	Contract
Sample Depth, ft	180-200	180-200	180-200	180-200	180-200	180-200	180-200	180-200	180-200	Required
Date of Collection	11/02/01	01/24/02	04/24/02	07/16/02	10/17/02	02/03/03	05/06/03	07/31/03	12/09/03	Detection
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit
Units	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Ferrous Iron*	U	0.5	U	U	U	U	U	U	U	0.05
Total Organic Carbon	6.309	2.8	2.9	2.4	4.3	U	U	U	U	5
Alkalinity	22.0	20	22	19	19	19	19	19	20	10
Chloride	45.7	47.4	46.8	46.9	41.1	46.6	45.9	47.8	49	3
Nitrate	8.177	9.1	8.9	9.2	8.4	9.3	8.3	8	8	0.05
Sulfate	U	2	2.3	4.4	5.6	6	5.6	5	5.4	5
Carbon Dioxide	466	68	73	71	98	84	87	87	10	NA
Methane	0.013	U	U	0.002	0.001	0.0006 J	0.004	0.003	0.002	0.002

QUALIFIERS:
U: Compound analyzed for but not detected
NA: Not Available
B: Concentration was above IDL but less than CRDL
J: Compound detected at a concentration below the CRDL, value estimated
E: Concentration exceeds instrument calibration range, value estimated

NOTES:
ST: Standard
—: Not established
*: Sample analyzed for Total Iron instead of Ferrous Iron

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

Sample Identification	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5***	MW-5	MW-5	Contract
Sample Depth, ft	90-110	90-110	90-110	90-110	90-110	90-110	90-110	90-110	90-110	Required
Date of Collection	11/05/01	01/25/02	04/26/02	07/17/02	10/18/02	01/30/03	05/07/03	07/29/03	12/10/03	Detection
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit
Units	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Ferrous Iron*	U	0.618	U	U	U	0.0419 B	0.123 B	U	U	0.05
Total Organic Carbon	U	4.1	1	1.8	2.5	U	U	U	U	5
Alkalinity	16	13	15	17	14	18	25	14	22	10
Chloride	43.6	53.1	62.7	66.7	50.1	48.4	95.7	52.5	40	3
Nitrate	3.744	3.7	3.9	4.9	6.7	5	4.7	5.4	5.9	0.05
Sulfate	29.2	25.7	26.6	20.5	29	36.4	26.2	31.5	35	5
Carbon Dioxide	53.1	44	31	49	56	44	63	57	U	NA
Methane	0.009	U	U	U	U	U	0.001	U	U	0.002

Sample Identification	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6***	MW-6	MW-6	Contract
Sample Depth, ft	110-130	110-130	110-130	110-130	110-130	110-130	110-130	110-130	110-130	Required
Date of Collection	11/05/01	01/25/02	04/26/02	07/17/02	10/18/02	01/30/03	05/07/03	07/29/03	12/10/03	Detection
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit
Units	(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	0.33	U	U	U	0.05
Total Organic Carbon	U	4.4	2	1.9	3.3	U	U	U	U	5
Alkalinity	32	27	27	24	24	24	18	23	26	10
Chloride	117	102	99	101	85.8	84.3	52.9	130	117	3
Nitrate	4.885	5.1	4.7	5.2	5	4.5	4.6	4.7	4.5	0.05
Sulfate	29.1	30.9	26.4	21.3	30.8	22.9	36.8	23.6	28	5
Carbon Dioxide	392	57	53	62	68	51	54	68	U	NA
Methane	0.007	U	U	U	U	U	0.001	0.0006 J	U	0.002

QUALIFIERS:
U: Compound analyzed for but not detected
NA: Not Available
B: Concentration was above IDL but less than CRDL
J: Compound detected at a concentration below the CRDL, value estimated

NOTES:
ST: Standard
---: Not established
*: Sample analyzed for Total Iron instead of Ferrous Iron

***: Based upon review of historical results and the 8th quarter results it appears that samples MW-5 and MW-6 were inadvertantly switched during the May 2003 sampling event.

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

Sample Identification	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	Contract
Sample Depth, ft	90-110	90-110	90-110	90-110	90-110	90-110	90-110	90-110	90-110	Required
Date of Collection	11/05/01	01/25/02	04/24/02	07/16/02	10/18/02	01/29/03	05/07/03	07/30/03	12/10/03	Detection
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit
Units	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Ferrous Iron*	U	0.0693 B	U	U	0.106 B	0.0375 B	U	0.138 B	0.0336 B	0.05
Total Organic Carbon	U	3.4	1.1	1.4	2.3	U	U	U	U	5
Alkalinity	U	U	U	U	U	U	U	U	10	10
Chloride	18.8	21.8	21.5	22.7	23.7	23.2	32.5	22.8	21	3
Nitrate	5.913	6	5.6	6.3	5.7	5.9	5.7	5.9	5.1	0.05
Sulfate	31	33.8	28.4	31.1	31.1	30.1	26.8	29.5	27.1	5
Carbon Dioxide	158	81	U	U	U	U	U	U	U	NA
Methane	0.007	U	U	U	U	U	0.0009 J	0.0008 J	U	0.002

Sample Identification	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	Contract
Sample Depth, ft	120-140	120-140	120-140	120-140	120-140	120-140	120-140	120-140	120-140	Required
Date of Collection	11/05/01	01/25/02	04/24/02	07/17/02	10/18/02	01/29/03	05/07/03	07/30/03	12/10/03	Detection
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit
Units	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Ferrous Iron*	U	10.7	18.2	13.2	7.5	7.09	4.9	2.54	1.88	0.05
Total Organic Carbon	12.2	6.9	4.4	2.2	3.1	U	U	U	U	5
Alkalinity	14	38	53	42	28	22	19	14	12	10
Chloride	22.9	26.1	25.9	24.7	23.4	24.6	52	24.2	24	3
Nitrate	5.049	2.8	3.4	1.7	3.7	3.3	4.8	5	5.3	0.05
Sulfate	32.7	27.9	22.8	19.6	29.1	28.8	28.6	30.7	31.5	5
Carbon Dioxide	56.2	U	48	52	60	48	52	49	U	NA
Methane	0.007	U	0.22	0.16	U	U	0.006	0.003	U	0.002

QUALIFIERS:
U: Compound analyzed for but not detected
NA: Not Available
B: Concentration was above IDL but less than CRDL
J: Compound detected at a concentration below the CRDL, value estimated

NOTES:
ST: Standard
—: Not established
*: Sample analyzed for Total Iron instead of Ferrous Iron

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

Sample Identification	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9				Contract
Sample Depth, ft	305-315	305-315	305-315	305-315	305-315	305-315				Required
Date of Collection	07/17/02	10/18/02	02/03/03	05/09/03	08/01/03	12/08/03				Detection
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0				Limit
Units	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)				(mg/l)
Ferrous Iron*	U	U	U	U	U	U				0.05
Total Organic Carbon	1.9	1.4	U	U	U	U				5
Alkalinity	24	27	22	16	15	13				10
Chloride	101	13.4	12.9	12.6	12.8	16				3
Nitrate	5.2	2.2	2	1.9	1.8	1.8				0.05
Sulfate	21.3	19	22.3	19.1	16.9	17.2				5
Carbon Dioxide	62	17	13	16	16.5	U				NA
Methane	U	U	U	0.001	U	U				0.002

QUALIFIERS:
U: Compound analyzed for but not detected
NA: Not Available
B: Concentration was above IDL but less than CRDL
J: Compound detected at a concentration below the CRDL, value estimated

NOTES:
ST: Standard
---: Not established
*: Sample analyzed for Total Iron instead of Ferrous Iron

ATTACHMENT A

SAMPLE INFORMATION RECORDS

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

Date: 12/6/04

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** K. Robins/P. Martorano

Sample Location/Well No. MW-1

Field Sample I.D. Number NCMW-1 (110) **Time** 1:00 p.m.

Weather Cloudy **Temperature (°F)** 45

Sample Type:

Groundwater √ **Sediment** _____

Surface Water/Stream _____ **Air** _____

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

Well Information (fill out for groundwater samples)

Depth to Water 48.11 ft. **Measurement Method** water level meter

Depth of Well 110 ft. **Measurement Method** water level meter

Volume Removed 50 gallons **Removal Method** submersible pump

Field Test Results

Color Clear **Odor** -- **Temperature (°C)** 14.92

pH 4.95 **Specific Conductance (ms/cm)** 0.297

Turb. (NTU) 28.5 **DO (mg/l)** 7.52 **Eh (mV)** 417

Other (OVA, Methane Meter, etc.) _____

Constituents Sampled

VOC

Remarks:

Water discharged to sewer system.

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: 12/6/04

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** K. Robins/P. Martorano

Sample Location/Well No. MW-2

Field Sample I.D. Number NCMW-2 (130) **Time** 1:45 p.m.

Weather Cloudy **Temperature (°F)** 45

Sample Type:

Groundwater √ **Sediment** _____

Surface Water/Stream _____ **Air** _____

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

Well Information (fill out for groundwater samples)

Depth to Water 48.20 ft. **Measurement Method** water level meter

Depth of Well 130 ft. **Measurement Method** water level meter

Volume Removed 70 gallons **Removal Method** submersible pump

Field Test Results

Color Clear **Odor** -- **Temperature (°C)** 14.63

pH 5.24 **Specific Conductance (ms/cm)** 0.212

Turb. (NTU) 24 **DO (mg/l)** 3.65 **Eh (mV)** 335

Other (OVA, Methane Meter, etc.) _____

Constituents Sampled

VOC

Remarks:

Water discharged to sewer system.

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: 12/6/04

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** K. Robins/P. Martorano

Sample Location/Well No. MW-3

Field Sample I.D. Number NCMW-3 (150) **Time** 12:00 p.m.

Weather Cloudy **Temperature (°F)** 40

Sample Type:

Groundwater √ **Sediment** _____

Surface Water/Stream _____ **Air** _____

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

Well Information (fill out for groundwater samples)

Depth to Water 48.10 ft. **Measurement Method** water level meter

Depth of Well 150 ft. **Measurement Method** water level meter

Volume Removed 70 gallons **Removal Method** submersible pump

Field Test Results

Color Cloudy Brown **Odor** -- **Temperature (°C)** 15.65

pH 4.09 **Specific Conductance (ms/cm)** 0.131

Turb. (NTU) 736 **DO (mg/l)** 9.08 **Eh (mV)** 275

Other (OVA, Methane Meter, etc.) _____

Constituents Sampled

VOC

Remarks:

Water discharged to sewer system.

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: 12/6/04

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** K. Robins/P. Martorano

Sample Location/Well No. MW-4

Field Sample I.D. Number NCMW-4 (200) **Time** 11:10 a.m.

Weather Cloudy **Temperature (°F)** 40

Sample Type:

Groundwater √ **Sediment** _____

Surface Water/Stream _____ **Air** _____

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

Well Information (fill out for groundwater samples)

Depth to Water 48.55 ft. **Measurement Method** water level meter

Depth of Well 200 ft. **Measurement Method** well construction log

Volume Removed 400 gallons **Removal Method** submersible pump

Field Test Results

Color Clear **Odor** -- **Temperature (°C)** 15.73

pH 5.06 **Specific Conductance (ms/cm)** 0.215

Turb. (NTU) 1.6 **DO (mg/l)** 4.27 **Eh (mV)** 390

Other (OVA, Methane Meter, etc.) _____

Constituents Sampled

VOC

Remarks:

Water discharged to sewer system. Collected MS/MSD.

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: 12/7/04

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** K. Robins/P. Martorano

Sample Location/Well No. MW-5

Field Sample I.D. Number NCMW-5 (110) **Time** 10:00 a.m.

Weather Rain **Temperature (°F)** 40

Sample Type:

Groundwater √ **Sediment** _____

Surface Water/Stream _____ **Air** _____

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

Well Information (fill out for groundwater samples)

Depth to Water 49.65 ft. **Measurement Method** water level meter

Depth of Well 110 ft. **Measurement Method** water level meter

Volume Removed 50 gallons **Removal Method** submersible pump

Field Test Results

Color Clear **Odor** -- **Temperature (°C)** 15.12

pH 5.23 **Specific Conductance (ms/cm)** 0.230

Turb. (NTU) 10 **DO (mg/l)** 6.16 **Eh (mV)** 453

Other (OVA, Methane Meter, etc.) _____

Constituents Sampled

VOC

Remarks:

Water discharged to sewer system.

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: 12/7/04

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** K. Robins/P. Martorano

Sample Location/Well No. MW-6

Field Sample I.D. Number NCMW-6 (130) **Time** 10:30 a.m.

Weather Rain **Temperature (°F)** 45

Sample Type:

Groundwater √ **Sediment**

Surface Water/Stream **Air**

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

Well Information (fill out for groundwater samples)

Depth to Water 49.70 ft. **Measurement Method** water level meter

Depth of Well 130 ft. **Measurement Method** water level meter

Volume Removed 80 gallons **Removal Method** submersible pump

Field Test Results

Color Clear **Odor** -- **Temperature (°C)** 15.03

pH 5.32 **Specific Conductance (ms/cm)** 0.311

Turb. (NTU) 30.5 **DO (mg/l)** 3.17 **Eh (mV)** 431

Other (OVA, Methane Meter, etc.)

Constituents Sampled

VOC

Remarks:

Water discharged to sewer system.

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: 12/7/04

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** K. Robins/P. Martorano

Sample Location/Well No. MW-7

Field Sample I.D. Number NCMW-7 (110) **Time** 12:45 p.m.

Weather Rain **Temperature (°F)** 50

Sample Type:

Groundwater √ **Sediment** _____

Surface Water/Stream _____ **Air** _____

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

Well Information (fill out for groundwater samples)

Depth to Water 42.80 ft. **Measurement Method** water level meter

Depth of Well 110 ft. **Measurement Method** water level meter

Volume Removed 60 gallons **Removal Method** submersible pump

Field Test Results

Color Clear **Odor** -- **Temperature (°C)** 13.02

pH 4.73 **Specific Conductance (ms/cm)** 0.134

Turb. (NTU) 26.4 **DO (mg/l)** 6.61 **Eh (mV)** 453

Other (OVA, Methane Meter, etc.) _____

Constituents Sampled

VOC

Remarks:

Water discharged to sewer system.

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: 12/7/04

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** K. Robins/P. Martorano

Sample Location/Well No. MW-8

Field Sample I.D. Number NCMW-8 (110) **Time** 12:00 p.m.

Weather Rain **Temperature (°F)** 50

Sample Type:

Groundwater √ **Sediment** _____

Surface Water/Stream _____ **Air** _____

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

Well Information (fill out for groundwater samples)

Depth to Water 42.90 ft. **Measurement Method** water level meter

Depth of Well 139 ft. **Measurement Method** water level meter

Volume Removed 80 gallons **Removal Method** submersible pump

Field Test Results

Color Slightly Cloudy **Odor** -- **Temperature (°C)** 13.81

pH 5.11 **Specific Conductance (ms/cm)** 0.162

Turb. (NTU) 155 **DO (mg/l)** 6.78 **Eh (mV)** 407

Other (OVA, Methane Meter, etc.) _____

Constituents Sampled

VOC

Remarks:

Water discharged to sewer system.

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: 12/9/04

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** K. Robins/P. Martorano

Sample Location/Well No. MW-9

Field Sample I.D. Number NCMW-9 (315) **Time** 11:45 a.m.

Weather Cool **Temperature (°F)** 40

Sample Type:

Groundwater √ **Sediment** _____

Surface Water/Stream _____ **Air** _____

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

Well Information (fill out for groundwater samples)

Depth to Water 45.30 ft. **Measurement Method** water level meter

Depth of Well 315 ft. **Measurement Method** well construction log

Volume Removed 550 gallons **Removal Method** submersible pump

Field Test Results

Color Clear **Odor** -- **Temperature (°C)** 13.54

pH 5.06 **Specific Conductance (ms/cm)** 0.097

Turb. (NTU) 10 **DO (mg/l)** 7.36 **Eh (mV)** 474

Other (OVA, Methane Meter, etc.) _____

Constituents Sampled

VOC

Remarks:

Water discharged to sewer system.

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: 12/9/04

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** K. Robins/P. Martorano

Sample Location/Well No. EW-1B

Field Sample I.D. Number NCEW-1B (164) **Time** 1:30 p.m.

Weather Cool **Temperature (°F)** 50

Sample Type:

Groundwater √ **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** historic data

Depth of Well 164 ft. **Measurement Method** historic data

Volume Removed 80 gallons **Removal Method** dedicated submersible pump

Field Test Results

Color Clear **Odor** -- **Temperature (°C)** 15.66

pH 5.11 **Specific Conductance (ms/cm)** 0.186

Turb. (NTU) 4.4 **DO (mg/l)** 2.20 **Eh (mV)** 356

Other (OVA, Methane Meter, etc.) _____

Constituents Sampled

VOC

Remarks:

Water discharged to sewer system.

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: 12/8/04

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** K. Robins/P. Martorano

Sample Location/Well No. EW-1C

Field Sample I.D. Number NCEW-1C (516) **Time** 11:00 a.m.

Weather Cool **Temperature (°F)** 40

Sample Type:

Groundwater √ **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** historic data

Depth of Well 516 ft. **Measurement Method** historic data

Volume Removed 1,500 gallons **Removal Method** dedicated submersible pump

Field Test Results

Color Clear **Odor** -- **Temperature (°C)** 12.06

pH 5.55 **Specific Conductance (ms/cm)** 0.108

Turb. (NTU) 5.3 **DO (mg/l)** 10.36 **Eh (mV)** 405

Other (OVA, Methane Meter, etc.) _____

Constituents Sampled

VOC

Remarks:

Water discharged to sewer system.

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: 12/8/04

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** K. Robins/P. Martorano

Sample Location/Well No. EW-2B

Field Sample I.D. Number NCEW-2B (142) **Time** 12:30 p.m.

Weather Cool **Temperature (°F)** 40

Sample Type:

Groundwater √ **Sediment** _____

Surface Water/Stream _____ **Air** _____

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

Well Information (fill out for groundwater samples)

Depth to Water 46.70 ft. **Measurement Method** historic data

Depth of Well 142 ft. **Measurement Method** historic data

Volume Removed 90 gallons **Removal Method** dedicated submersible pump

Field Test Results

Color Clear **Odor** -- **Temperature (°C)** 15.50

pH 4.84 **Specific Conductance (ms/cm)** 0.132

Turb. (NTU) 10 **DO (mg/l)** 3.52 **Eh (mV)** 343

Other (OVA, Methane Meter, etc.) _____

Constituents Sampled

VOC

Remarks:

Water discharged to sewer system.

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
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Date: 12/8/04

SAMPLE INFORMATION RECORD

Site: New Cassel Industrial Area **Sample Crew:** K. Robins/P. Martorano

Sample Location/Well No. EW-2C

Field Sample I.D. Number NCEW-2C (514) **Time** 3:30 p.m.

Weather Cool **Temperature (°F)** 40

Sample Type:

Groundwater √ **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** historic data

Depth of Well 514 ft. **Measurement Method** historic data

Volume Removed 1,560 gallons **Removal Method** dedicated submersible pump

Field Test Results

Color Clear **Odor** -- **Temperature (°C)** 12.22

pH 5.41 **Specific Conductance (ms/cm)** 0.062

Turb. (NTU) 40 **DO (mg/l)** 7.60 **Eh (mV)** 401

Other (OVA, Methane Meter, etc.) _____

Constituents Sampled

VOC

Remarks:

Water discharged to sewer system.

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**