Corrective Measures Implementation Report
Site-Wide Groundwater and Manhole Sediment Report — 2nd Quarter 2007

Revision: 0

Corrective Action Order — Index CO 7-20051118-4

Carrier Thompson Road Facility
Carrier Parkway
Syracuse, New York

Prepared for:

UTC Shared Remediation Services
United Technologies Building
Hartford, Connecticut

Prepared by:

EnSafe Inc.
220 Athens Way, Plaza 1, Suite 410
Nashville, Tennessee 37228
(615) 255-9300
www.ensafe.com

July 2007

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July 2007

Prepared by:

Joseph P. George

July 11, 2007
Date

Reviewed by:

May M. Heflin

July 11, 2007
Date

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1.0 INTRODUCTION

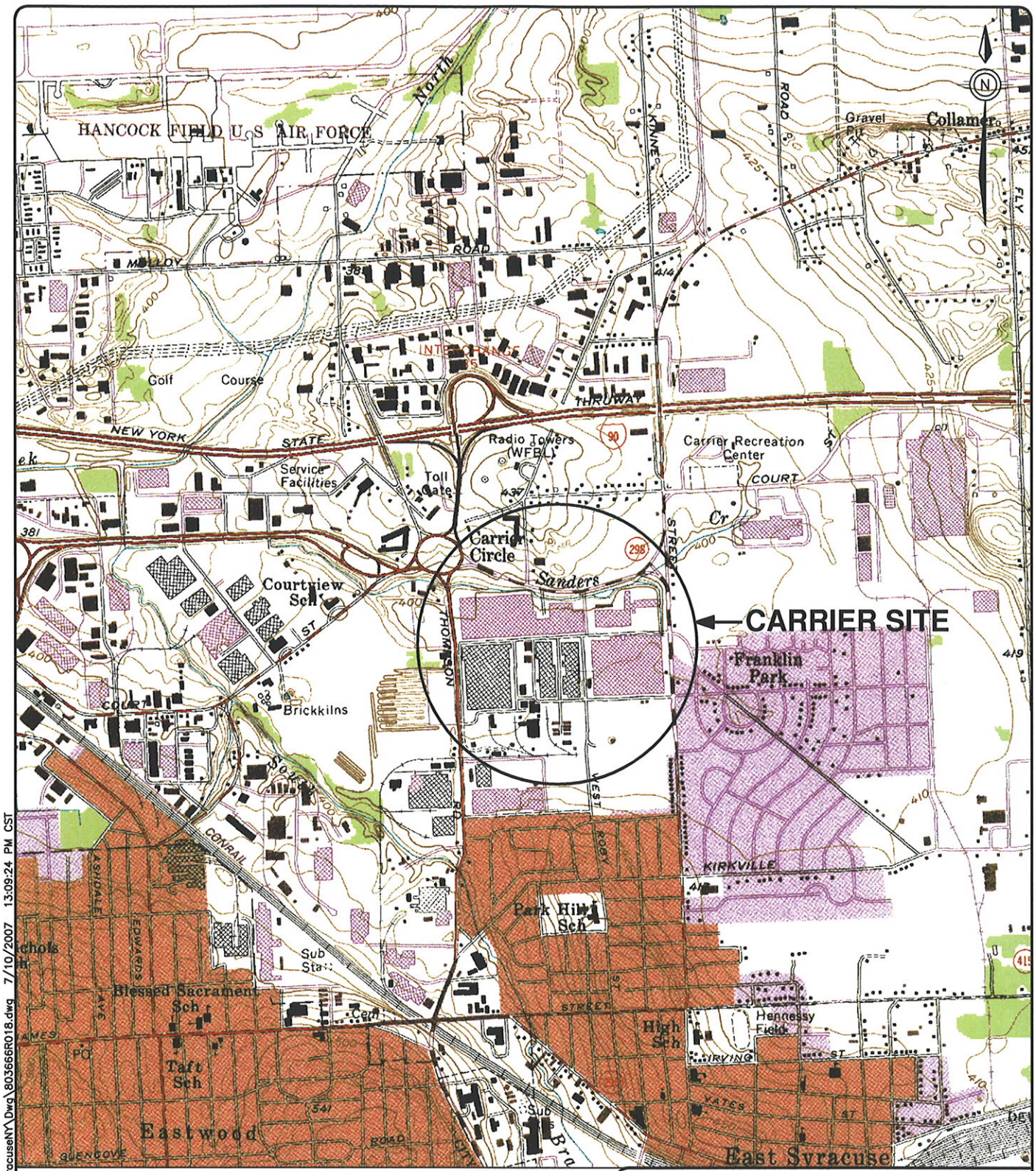
EnSafe Inc. was retained by United Technologies Corporation (UTC) Remediation Shared Services to perform quarterly groundwater monitoring at the Carrier Corporation (Carrier) Thompson Road facility in Syracuse, New York. The quarterly monitoring is in response to New York State Department of Environment and Conservation (NYSDEC) Consent Order (CO) CO 7-20051118-4 (order) dated February 13, 2006, in which Carrier was directed to evaluate seasonal variation in water levels and contaminant concentrations in the groundwater system at the site. A Site-Wide Monitoring Plan for groundwater sampling was submitted for review to the NYSDEC as part of the CO on April 13, 2006. NYSDEC issued comments to the Site-Wide Monitoring Plan in a letter dated August 4, 2006, and a site meeting was held on August 18, 2006, to discuss these comments. A revised Site-Wide Monitoring Plan was submitted on September 22, 2006, and subsequently approved by NYSDEC.

Also as part of the site-wide monitoring, sediment that has accumulated in manholes within the western and central storm sewer lines at the facility is to be removed annually. The 2007 annual manhole sediment removal was conducted concurrent with and after completing the May quarterly groundwater sampling activities.

The site is at the intersection of Carrier Parkway (New York State Route 98) and Thompson Road in Syracuse, New York, south of the New York State Thruway Interchange 35 and immediately southeast of Carrier Circle. Figure 1 shows the facility location.

Groundwater monitoring wells were installed during previous investigations conducted at the Carrier Thompson Road facility. These onsite wells have been sampled annually since 1999, with some onsite wells being sampled sporadically since 1989. Fifteen of the 19 onsite groundwater monitoring wells are sampled as part of the Site-Wide Groundwater Monitoring Plan. One well, MW-13D is completed such that the screened interval encompasses the entire saturated interval of the upper-most aquifer at the site, from approximately 6.7 feet below ground surface (bgs) to 56.7 feet bgs, or top of the bedrock (Vernon Shale) at this location. Samples were collected from all wells for analysis of volatile organic compounds (VOCs) via U.S. Environmental Protection Agency (USEPA) SW-846 Method 8260 in accordance with the Site-Wide Monitoring Plan. All samples were analyzed by a NYSDEC-approved analytical laboratory, Accutest Incorporated, in Dayton, New Jersey. EnSafe personnel Weldon Hawkins and David Wyatt collected the various samples for laboratory analysis during the period of May 8-10, 2007.

This report describes the results of the third of four groundwater quarterly monitoring events to be conducted at the facility. The first quarterly monitoring event was conducted in November 2006.



SOURCE: USGS 7.5 Minite Topo Map of:
SYRACUSE EAST, NY 1957; Photo-revised 1978

FIGURE 1
SITE LOCATION
CARRIER CORPORATION
SYRACUSE, NEW YORK

REQUESTED BY:	J.G.
DRAWN BY:	E.R.
DWG DATE:	10JUL07
DWG NO:	803666R018

ENSAFE
(800) 588-7962
MEMPHIS, TENNESSEE

I:\Projects-BST\0803666 UTC-SyracuseNY\Dwg\803666R018.dwg 7/10/2007 13:09:24 PM CST

Additionally, this report also describes the activities conducted and results of the annual sediment removal from storm line manholes in the western and central portions of the Thompson Road facility. EnSafe personnel Byran Brister and Joseph George provided oversight during the sediment removal activities during the period of May 9-May 12 and May 14-May15, 2007. In late 2002, as part of an interim action, the western-most storm sewer line system was power washed and cleaned of sediment to remediate any sediment containing PCBs in the storm sewer system downgradient of the former transformer yard. In 2003 the central storm sewer line system was also cleaned using techniques employed for cleaning the western-most line in 2002. The storm sewer cleaning was performed to minimize potential migration of PCBs through the storm sewer system to Sanders Creek.

2.0 GROUNDWATER MONITORING

2.1 Potentiometric Data

Table 1 summarizes groundwater elevations measured in accessible onsite piezometers and groundwater monitoring wells during the sampling event. Depth to groundwater was measured using an electronic water-level indicator prior to purging of the individual well. A potentiometric surface, constructed using shallow piezometer and select shallow monitoring well groundwater elevations for May 2007, is shown as Figure 2. In general, groundwater flows northward at the site. The storm water system influences local groundwater flow along the facility's main storm water trunk lines. Figure 3 shows the deeper groundwater potentiometric surface and flow direction. The deep wells onsite are screened across the 10-foot interval immediately above the bedrock surface. Flow in this deeper interval is to the northeast. Water levels measured across the site were slightly higher when compared to those of the previous groundwater monitoring event (February 2007).

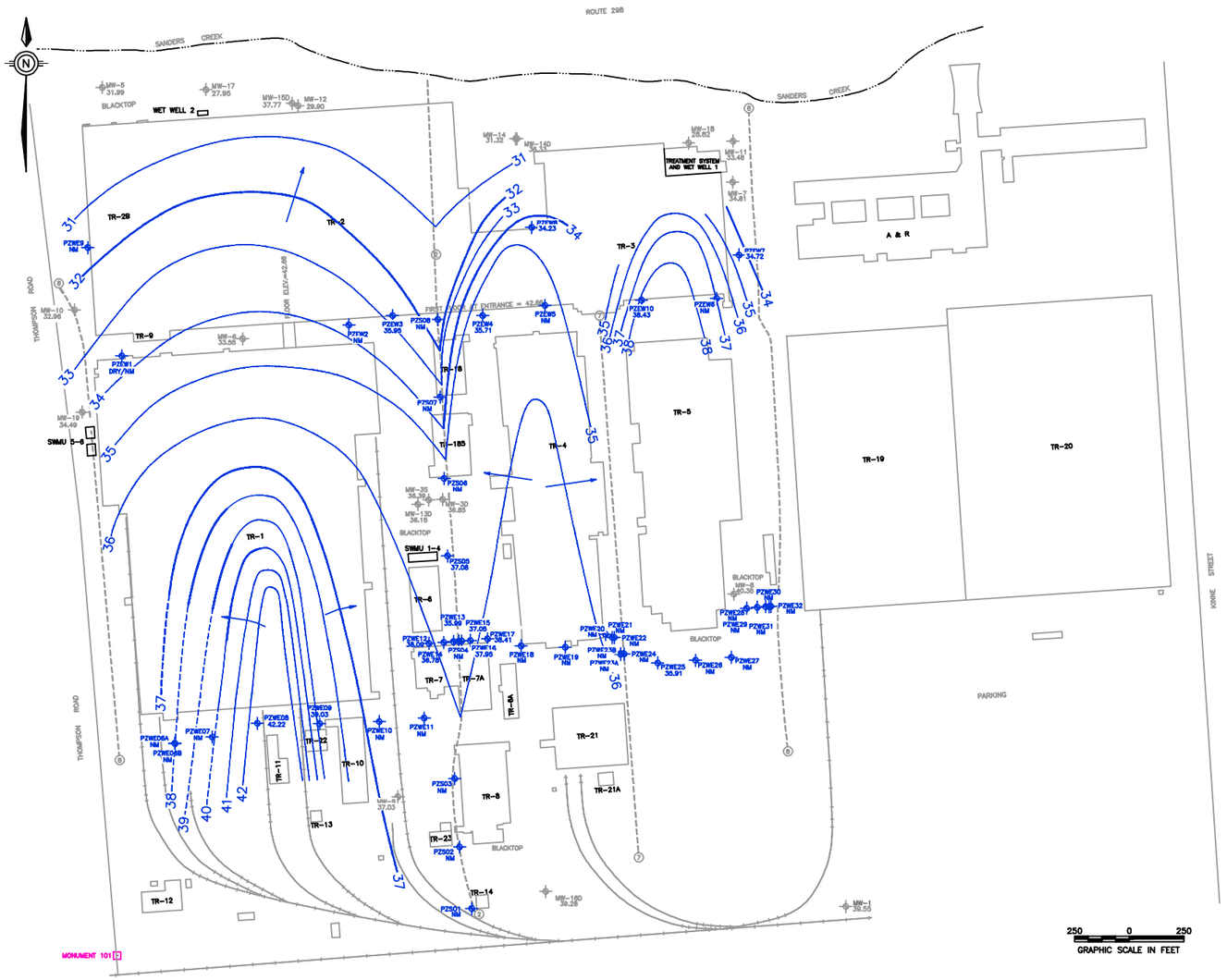
2.2 Sampling Activities

After collecting depth-to-groundwater measurements, three well casing volumes of groundwater were removed from each well, in accordance with the Site-Wide Monitoring Plan (September 2006). For most wells, clean, dedicated disposable bailers and bailer cord were used to collect the required samples. Three wells (MW-14D, MW-15D, and MW-16D) were purged using an electronic submersible pump. Well MW-13D contained diffusion bag samplers; thus, VOC samples were collected from the individual diffusion bags from the lower five intervals in this well.

Samples were collected from 15 onsite wells and analyzed for VOCs using USEPA SW-846 Method 8260 and laboratory-supplied 40-milliliter glass vials. After all samples were collected, they were shipped to an offsite laboratory (Accutest Laboratories, in Dayton, New Jersey) via overnight courier using chain-of-custody procedures. All samples arrived intact and below the 4 degrees Centigrade maximum temperature.

2.3 Groundwater Sampling Results

Table 2 summarizes the detectable groundwater VOC analytical results. Copies of all laboratory report sheets are in Appendix A and concentrations of specific VOCs at each well sampled are shown in Figure 4. VOC results are consistent with historic concentrations in respective wells.



NOTES:

ELEVATIONS REFERRED TO CITY OF SYRACUSE DATUM. ADD 362.00 FEET TO OBTAIN USGS DATUM OF 1929.

LOCATION OF UNDERGROUND UTILITIES AND OTHER UNDERGROUND STRUCTURES OBTAINED BY FIELD MEASUREMENTS WHERE POSSIBLE, OTHERWISE OBTAINED FROM OTHER SOURCES AND MAY BE APPROXIMATE ONLY.

OTHER UNDERGROUND UTILITIES AND STRUCTURES MAY EXIST, THE LOCATIONS OF WHICH ARE CURRENTLY UNKNOWN.

WATER LEVELS MEASURED MAY 7 THROUGH 9, 2007

BENCHMARKS: (NOT SHOWN)

BM 164 (ELEV.=42.68)
IRON BOLT AT NORTHEAST CORNER OF CONCRETE SLAB, APPROX. 80 FEET NORTH AND APPROX. 30 FEET EAST OF THE SOUTHEAST CORNER OF BUILDING TR-4.

BM 500 (ELEV.=44.87)
CHISELED CROSS ON EAST NUT OF POSITION INDICATION VALVE, APPROX. 75 FEET NORTHWEST OF THE SOUTHWEST CORNER OF BUILDING TR-7 AND APPROX. 90 FEET NORTHEAST OF THE SOUTHEAST CORNER OF BUILDING TR-1.

GROUNDWATER ELEVATION CONTOURS PRODUCED FROM PIEZOMETER DEPTH TO GROUNDWATER MEASUREMENTS.

WELLS SCREENED WERE NOT USED IN CONSTRUCTING POTENTIOMETRIC SURFACE.

MONITORING WELL IDENTIFICATION KEY	
FORMER WELL IDENTIFICATION	NEW WELL IDENTIFICATION
MW-99-01	MW-10
MW-99-02	MW-11
MW-99-03	MW-12
MW-99-04	MW-13D
MW-00-5S	MW-14
MW-00-5D	MW-14D
MW-00-06	MW-15D
MW-00-BG	MW-16D

LEGEND

- TR-2 — BUILDING
- 42.20 — GROUNDWATER ELEVATION, FT
- 1 — MONUMENT
- PZ — MONITORING WELL
- PIEZOMETER
- GROUNDWATER FLOW DIRECTION
- 40 — GROUNDWATER ELEVATION CONTOUR
- STORM DRAIN MAIN LINE
- 7 — ENSAFE STORM DRAIN REFERENCE NUMBER
- NM — NOT MEASURED (PIEZOMETER (DESTROYED)
- FORMER RAILROAD SPUR LOCATION

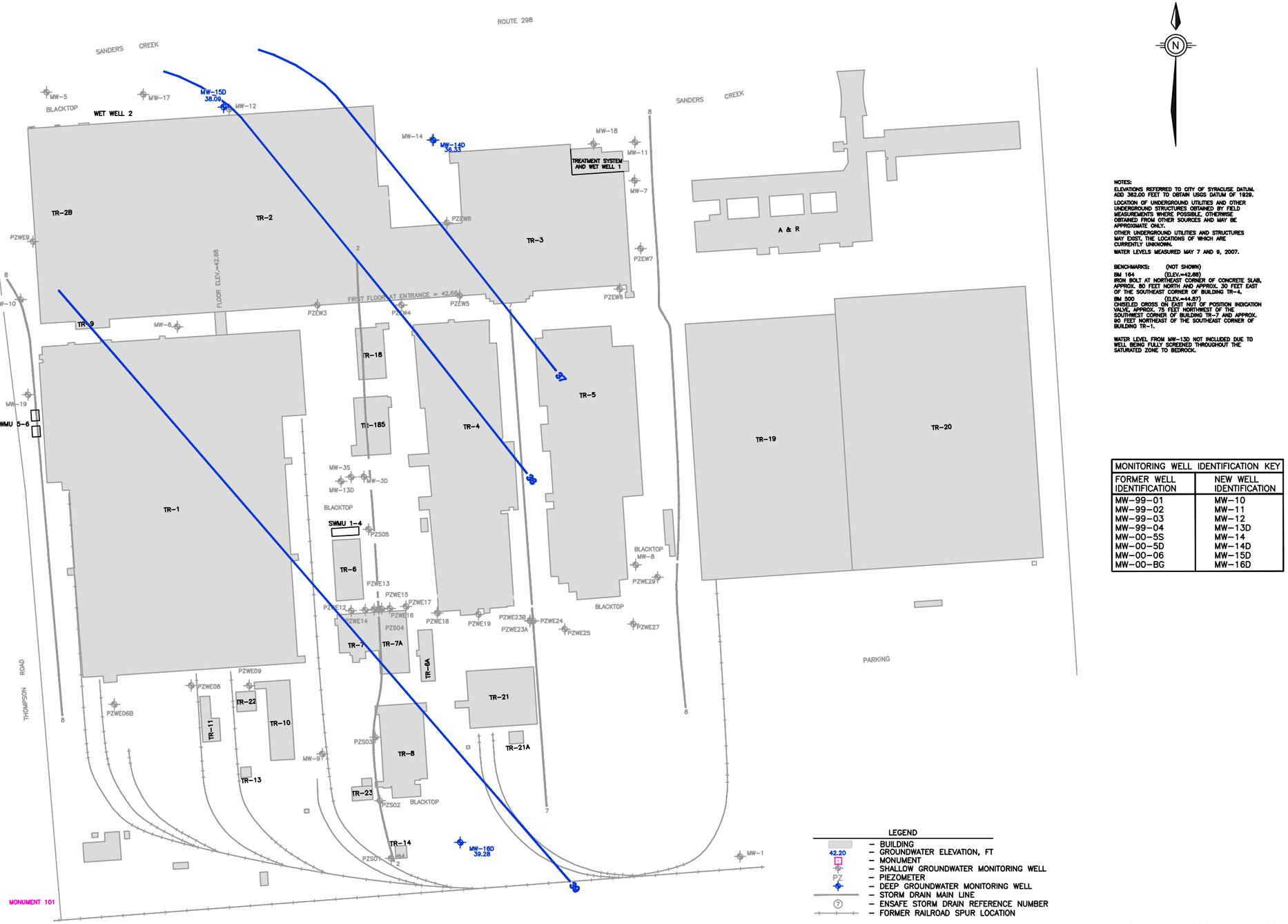
250 0 250
GRAPHIC SCALE IN FEET

SOURCE:
PHILLIPS & ASSOCIATES
SURVEYORS, P.C.
LIVERPOOL, NEW YORK
(FILE 2700.001)

ENSAFE
(800) 588-7962
WWW.ENSAFE.COM
MEMPHIS, TENNESSEE

FIGURE 2
SHALLOW POTENTIOMETRIC SURFACE
MAY 2007
CARRIER CORPORATION
SYRACUSE, NEW YORK

DWG DATE: 30MAY07 | DWG NAME:800132R035



NOTES:
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OTHER UNDERGROUND UTILITIES AND STRUCTURES MAY EXIST, THE LOCATIONS OF WHICH ARE CURRENTLY UNKNOWN.

WATER LEVELS MEASURED MAY 7 AND 9, 2007.

BENCHMARKS: (NOT SHOWN)

BM 164 (ELEV.=42.68)
IRON BOLT AT NORTHEAST CORNER OF CONCRETE SLAB, APPROX. 80 FEET NORTH AND APPROX. 30 FEET EAST OF THE SOUTHEAST CORNER OF BUILDING TR-4.

BM 500 (ELEV.=44.87)
CHISELED CROSS ON EAST NUT OF POSITION INDICATION VALVE, APPROX. 75 FEET NORTHWEST OF THE SOUTHWEST CORNER OF BUILDING TR-7 AND APPROX. 90 FEET NORTHEAST OF THE SOUTHEAST CORNER OF BUILDING TR-1.

WATER LEVEL FROM MW-13D NOT INCLUDED DUE TO WELL BEING FULLY SCREENED THROUGHOUT THE SATURATED ZONE TO BEDROCK.

MONITORING WELL IDENTIFICATION KEY	
FORMER WELL IDENTIFICATION	NEW WELL IDENTIFICATION
MW-99-01	MW-10
MW-99-02	MW-11
MW-99-03	MW-12
MW-99-04	MW-13D
MW-00-5S	MW-14
MW-00-5D	MW-14D
MW-00-06	MW-15D
MW-00-BG	MW-16D

LEGEND
- BUILDING
- 42.20 – GROUNDWATER ELEVATION, FT
- MONUMENT
- SHALLOW GROUNDWATER MONITORING WELL
- PZ – PIEZOMETER
- DEEP GROUNDWATER MONITORING WELL
- STORM DRAIN MAIN LINE
- (?) – ENSAFE STORM DRAIN REFERENCE NUMBER
- FORMER RAILROAD SPUR LOCATION

0 200 400
SCALE FEET

SOURCE:
PHILLIPS & ASSOCIATES SURVEYORS, P.C.
LIVERPOOL, NEW YORK
(FILE 2700.001)

ENSAFE
(800) 588-7862
MEMPHIS, TENNESSEE
CHARLESTON,SC CINCINNATI,OH DALLAS,TX JACKSON,TN KNOXVILLE,TN
LANCASTER,PA NASHVILLE,TN NORFOLK,VA PADUCAH,KY PENSACOLA,FL
LITTLE ROCK,AR JACKSON,MS CLEVELAND,OH

FIGURE 3
DEEP POTENTIOMETRIC SURFACE
MAY 2007
CARRIER CORPORATION
SYRACUSE, NEW YORK

DWG DATE: 06JUN07 | DWG NAME:803666R012

I:\Projects-BSY\803666 UTC Syracuse\Dwg\803666R012_Deep-Pot-Map_MAY07.dwg 05/30/07 13:27:13 PM CST

Table 1
Summary of Piezometer and Monitoring Well Groundwater Elevations

Well Number	Well Depth	Surface Elevation	Top of Casing Elevation	Well Screen Length	Riser Length	Well Screen Depth Interval	May 07		February 07		November 06		July 05		June 04		June 03		June 02		July 01	
							Depth to Water From TOC	Ground-water Elevation	Depth to Water From TOC	Ground-water Elevation	Depth to Water From TOC	Ground-water Elevation	Depth to Water From TOC	Ground-water Elevation	Depth to Water From TOC	Ground-water Elevation	Depth to Water From TOC	Ground-water Elevation	Depth to Water From TOC	Ground-water Elevation	Depth to Water From TOC	Ground-water Elevation
MW-10 (MW-99-01)	14	40.41	39.66	10	4	4 to 14	6.7	32.96	7.03	32.63	6.85	32.81	7.20	32.46	6.98	32.68	6.91	32.75	6.74	32.92	7.11	32.55
MW-11 (MW-99-02)	16	41.52	40.82	10	6	6 to 16	7.34	33.48	8.56	32.26	8.13	32.69	8.95	31.87	7.07	33.75	8.29	32.53	8.89	31.93	9.20	31.62
MW-12 (MW-99-03)	16	39.62	38.82	10	6	6 to 16	8.92	29.90	9.20	29.62	8.84	29.98	9.89	28.93	9.20	29.62	9.73	29.09	8.88	29.94	9.68	29.14
MW-01*[1]	17.7	47.00	49.44	10	6.2	4 to 14	9.89	39.55	10.13	39.31	9.67	39.77	11.07	38.37	10.36	39.08	9.44	40.00	10.03	39.41	9.90	39.54
MW-3S*	14.35	41.53	43.13	10	5.2	3 to 13	6.74	36.39	7.10	36.03	6.91	36.22	7.00	36.13	9.87	33.26	8.65	34.48	6.64	36.49	6.69	36.44
MW-3D*	29.87	41.55	44.23	5	24.2	22 to 27	7.38	36.85	8.08	36.15	7.80	36.43	9.10	35.13	8.06	36.17	7.83	36.40	7.71	36.52	8.78	35.45
MW-05*[1]	17.15	33.40	35.70	10	7.2	5 to 15	3.71	31.99	4.54	31.16	3.76	31.94	4.06	31.64	3.73	31.97	3.37	32.33	3.50	32.20	3.83	31.87
MW-06*[1]	17.05	42.60	44.80	10	7.2	5 to 15	11.25	33.55	11.71	33.09	11.31	33.49	11.62	33.18	11.41	33.39	11.44	33.36	11.35	33.45	11.56	33.24
MW-07*[1]	14.7	41.60	41.40	10	5	5 to 15	6.59	34.81	NM	NM	6.74	34.66	7.08	34.32	6.89	34.51	5.87	35.53	6.52	34.88	6.28	35.12
MW-08*[1]	14.78	42.90	42.59	10	5	5 to 15	2.24	40.35	NM	NM	5.66	36.93	5.89	36.70	5.75	36.84	5.44	37.15	6.57	36.02	5.64	36.95
MW-09*[1]	17.45	43.20	44.79	10	7.2	5 to 15	7.76	37.03	8.21	36.58	7.55	37.24	8.40	36.39	7.72	37.07	6.61	38.18	9.86	37.31	7.53	37.26
WE-06B[2]	5.5	43.55	42.50	1	4.5	4.5 to 5.5	NM	NM	NM	NM	NM	NM	NM	NM	7.17	35.33	6.86	35.64	6.85	35.65	6.80	35.70
WE-08	8	43.10	42.88	1	7	7 to 8	NM	NM	NM	NM	0.66	42.22	4.18	38.70	3.33	39.55	3.42	39.46	3.31	39.57	3.23	39.65
WE-09	8	41.99	41.89	1	7	7 to 8	2.86	39.03	NM	NM	2.88	39.01	3.37	38.52	2.91	38.98	2.72	39.17	2.73	39.16	2.80	39.09
WE-12	8	42.67	42.96	1	7	7 to 8	4.87	38.09	NM	NM	5.33	37.63	NM	NM	5.45	37.51	5.49	37.47	NM	NM	NM	NM
WE-13	8	42.59	42.95	1	7	7 to 8	6.96	35.99	NM	NM	6.24	36.71	6.93	36.02	6.02	36.92	5.74	37.21	5.91	37.04	6.19	36.76
WE-14	8	42.53	43.13	1	7	7 to 8	6.35	36.78	NM	NM	6.48	36.65	7.02	36.11	6.03	37.10	6.59	36.54	6.72	36.41	6.79	36.34
WE-15	8	42.43	42.91	1	7	7 to 8	5.86	37.05	NM	NM	6.10	36.81	6.45	36.46	6.56	36.35	6.38	36.53	6.54	36.37	6.78	36.13
WE-16	8	42.49	43.06	1	7	7 to 8	5.11	37.95	NM	NM	5.53	37.53	7.15	35.91	6.05	37.01	5.58	37.48	5.73	37.33	6.39	36.67
WE-17	8	43.08	43.46	1	7	7 to 8	5.05	38.41	NM	NM	5.53	37.93	6.83	36.63	5.93	37.53	5.46	38.00	5.73	37.73	6.04	37.02
WE-18[2]	8	42.72	43.17	5	3	3 to 8	NM	NM	NM	NM	NM	NM	NM	NM	3.85	39.32	NM	NM	NM	NM	3.08	40.09
WE-19[2]	8	42.56	43.17	1	7	7 to 8	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	4.55	38.62	4.87	38.30	4.59	38.58
WE-23A	8	42.19	42.10	1	7	7 to 8	NM	NM	NM	NM	6.66	35.44	7.15	34.95	7.12	34.98	7.13	34.97	7.14	34.96	NM	NM
WE-23B	16	42.19	42.21	1	15	15 to 16	NM	NM	NM	NM	5.91	36.30	6.75	35.46	7.12	35.09	7.15	35.06	7.17	35.04	NM	NM
WE-25	7.3	42.20	42.72	1	6.3	6.3 to 7.3	6.81	35.91	NM	NM	6.99	35.73	6.95	35.77	7.11	35.76	6.30	36.42	10.12	32.60	7.16	35.56
WE-27[2]	8	42.20	42.98	2	4	4 to 6	dry	42.98	NM	NM	NM	NM	NM	NM	NM	NM	5.61	37.37	5.94	37.04	6.19	36.79
WE-29[2]	8	42.10	43.17	2	6	6 to 8	NM	NM	NM	NM	NM	NM	4.28	38.89	4.47	38.70	5.27	37.90	4.90	38.27	4.89	38.28
SO-01[2]	9	45.24	45.37	1	8	8 to 9	NM	NM	NM	NM	NM	NM	NM	NM	7.11	38.26	6.75	38.62	7.12	38.25	7.01	38.36
SO-02[2]	8	43.42	44.73	1	7	7 to 8	NM	NM	NM	NM	NM	NM	NM	NM	4.22	40.51	2.19	42.54	5.05	39.68	5.40	39.33
SO-04A[2]	8	42.40	43.10	1	7	7 to 8	NM	NM	NM	NM	NM	NM	7.20	35.90	6.73	36.37	7.03	36.07	7.11	35.99	7.13	35.97
SO-04B[2]	16	42.40	43.08	5	11	11 to 16	5.95	37.13	NM	NM	NM	NM	7.32	35.76	6.02	37.06	6.26	36.82	NM	NM	6.14	36.94
SO-05	8	42.52	42.64	1	7	7 to 8	5.56	37.08	NM	NM	6.19	36.45	7.00	35.64	7.02	35.62	4.73	37.91	6.54	36.10	6.99	35.65
EW-03	8.3	38.58	38.30	5	3.3	3.3 to 8.3	2.35	35.95	NM	NM	6.67	31.63	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
EW-04	10.75	42.30	43.41	5	5.35	5.35 to 10.75	7.7	35.71	NM	NM	7.55	35.86	7.73	35.68	8.12	35.29	7.03	36.38	8.03	35.38	7.93	35.48
EW-05[2]	10.7	42.60	42.60	5	5.7	5.7 to 10.7	NM	NM	NM	NM	NM	NM	NM	NM	8.30	34.30	5.99	38.38	6.05	36.55	4.75	37.85
EW-06[2]	10	42.50	43.14	5	5	5 to 10	NM	NM	NM	NM	NM	NM	NM	NM	4.76	38.38	4.22	38.92	4.05	39.09	NM	NM
EW-07	10.75	41.80	41.45	5	5.75	5.75 to 10.75	6.73	34.72	NM	NM	6.96	34.49	9.10	32.35	7.78	33.67	5.20	36.25	7.00	34.45	8.42	33.03
EW-08	8	38.40	38.13	5	3	3 to 8	3.9	34.23	NM	NM	3.88	34.25	3.86	34.27	3.86	34.27	3.87	34.26	3.86	34.27	3.89	34.21
EW-09	9.8	38.27	38.02	5	4.8	4.8 to 9.8	NM	NM	NM	NM	6.72	31.30	6.86	31.16	6.90	31.12	6.83	31.44	6.65	31.37	6.88	31.14

Table 1
Summary of Piezometer and Monitoring Well Groundwater Elevations

Well Number	Well Depth	Surface Elevation	Top of Casing Elevation	Well Screen Length	Riser Length	Well Screen Depth Interval	May 07		February 07		November 06		July 05		June 04		June 03		June 02		July 01	
							Depth to Water From TOC	Ground-water Elevation	Depth to Water From TOC	Ground-water Elevation	Depth to Water From TOC	Ground-water Elevation	Depth to Water From TOC	Ground-water Elevation	Depth to Water From TOC	Ground-water Elevation	Depth to Water From TOC	Ground-water Elevation	Depth to Water From TOC	Ground-water Elevation	Depth to Water From TOC	Ground-water Elevation
EW-10	10.35	42.20	41.90	5	5.35	5.35 to 10.35	NM	NM	NM	NM	3.47	38.43	6.17	35.73	4.59	37.31	3.22	38.68	3.49	38.41	5.66	36.24
MW-13D (MW-99-04)	56.7	41.58	43.68	50	8.8	6.7 to 56.7	7.53	36.15	8.30	35.38	7.98	35.70	9.51	34.17	9.07	34.61	8.22	35.46	8.76	34.92	9.30	34.38
MW-14 (MW-00-5S)	15.5	36.60	36.21	5	10.5	10.5 to 15.5	4.89	31.32	5.58	30.63	6.58	29.63	6.22	29.99	4.98	31.23	5.87	30.34	7.01	29.20	7.20	29.01
MW-14D (MW-00-5D)	45.5	36.70	36.37	10	35.5	25.5 to 35.5	0.04	36.33	1.92	34.45	0.00	36.37	0.00	36.37	0.00	36.37	0.05	36.32	0.00	36.37	0.00	36.37
MW-15D (MW-00-06)	33	41.20	40.88	10	23	23 to 33	3.11	37.77	3.88	37.00	3.54	37.34	5.42	35.46	4.12	36.76	3.99	36.89	4.82	36.06	4.85	36.03
MW-16D (MW-00-BG)	47.5	45.00	44.72	10	37.5	37.5 to 47.5	5.44	39.28	NM	NM	5.53	39.19	6.99	37.73	5.95	38.77	5.54	39.18	5.40	39.32	6.23	38.49
MW-17 (MW-01-07)	15.5	36.18	35.61	5	10	10.5-15.5	8.16	27.45	8.19	27.42	8.02	27.59	8.40	27.21	8.80	26.81	8.64	26.97	8.85	26.76	8.75	26.86
MW-18 (MW-01-08)	15	36.67	36.30	5	9.5	10.0-15.0	7.48	28.82	7.47	28.83	7.48	28.82	7.46	28.84	7.33	28.97	7.34	28.96	7.38	28.92	7.41	28.89
MW-19	15	42.20	41.88	10	5	5.0-15.0	7.39	34.49	7.89	33.99	7.53	34.35	8.40	33.48	7.80	34.08	7.42	34.46	7.44	34.44	NI	NI

Notes:

* - These wells were installed during previous investigations conducted by other consulting firms.

[1] - Elevations for these wells were obtained from reports prepared by other consulting firms.

[2] – Piezometers were damaged or destroyed through snow removal activities, no longer exist, and cannot be measured.

TOC – Top of Casing

Elevations are referenced to the City of Syracuse Datum.

All depths, lengths, and elevations measured in feet.

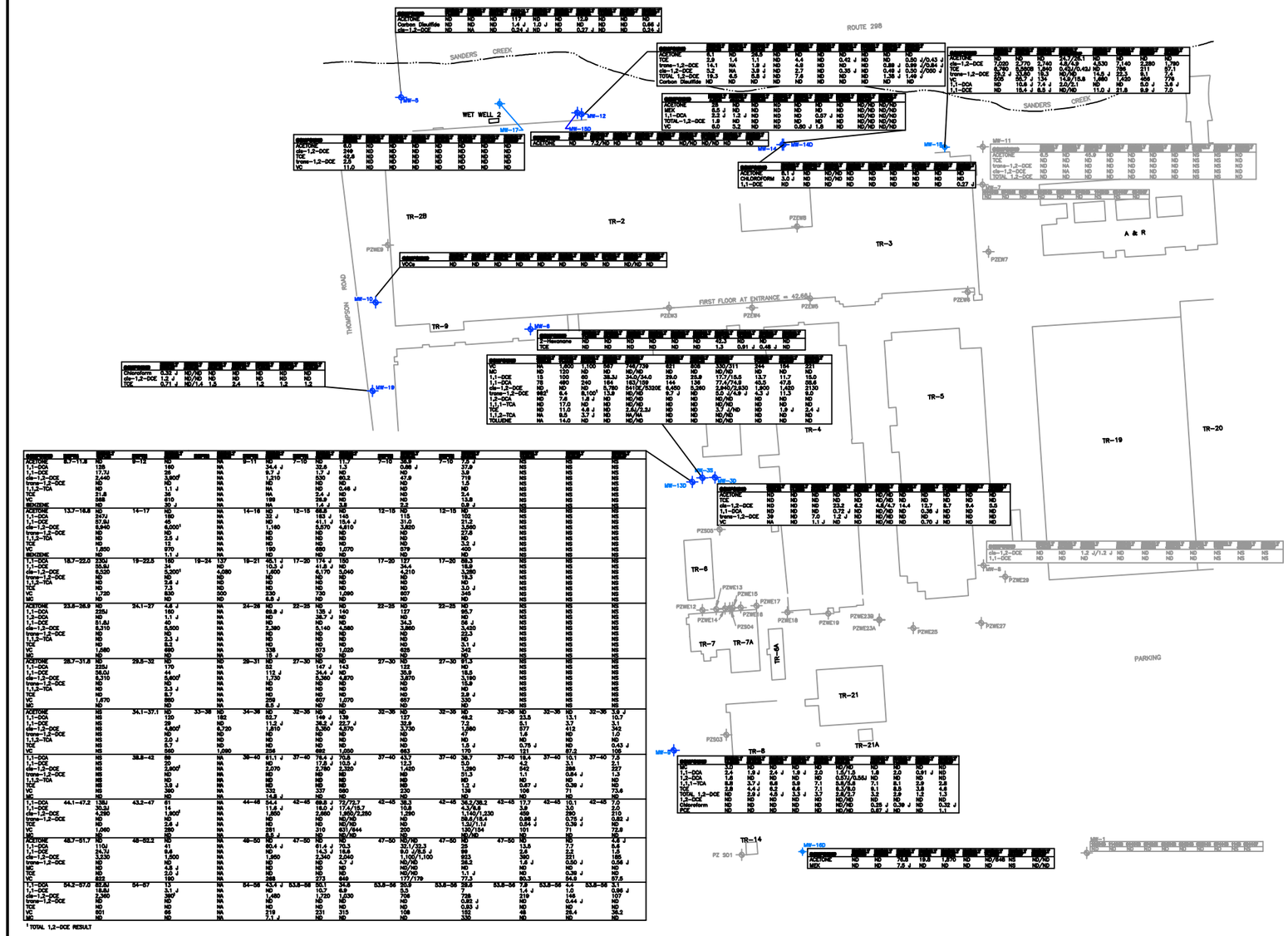
Monitoring Wells are 2-inch diameter stainless steel.

Piezometers are 1-inch diameter PVC.

NM – Not Measured

NI – Well not yet installed

Piezometers, MW-7, MW-8, and MW-16D were not measured during February 2007 due to amount of snow and snow piles at facility. MW-14D contained a 3-inch thickness of ice in the well casing and hence the water level is suspect.



NOTES:

ELEVATIONS REFERRED TO CITY OF SYRACUSE DATUM.
ADD 362.00 FEET TO OBTAIN USGS DATUM OF 1929.

BENCHMARKS: (NOT SHOWN)

BM 164 (ELEV.=42.68)
IRON BOLT AT NORTHEAST CORNER OF CONCRETE SLAB, APPROX. 80 FEET NORTH AND APPROX. 30 FEET EAST OF THE SOUTHEAST CORNER OF BUILDING TR-4.

BM 500 (ELEV.=44.87)
CHISELED CROSS ON EAST NUT OF POSITION INDICATION VALVE, APPROX. 75 FEET NORTHWEST OF THE SOUTHWEST CORNER OF BUILDING TR-7 AND APPROX. 90 FEET NORTHEAST OF THE SOUTHEAST CORNER OF BUILDING TR-1.

11-16-90 GROUNDWATER SAMPLING PERFORMED AS PART OF AN INVESTIGATION CONDUCTED BY BLASLAND, BOUCK & LEE ENGINEERS, P.C. IN LATE 1990.

12-31-85 GROUNDWATER SAMPLING PERFORMED AS PART OF AN INVESTIGATION CONDUCTED BY DAMES & MOORE IN LATE 1985.

ALL RESULTS ARE IN MICROGRAMS PER LITER (ug/L)
1,1-DCA – 1,1-DICHLOROETHANE
1,1-DCE – 1,1-DICHLOROETHENE
cis-1,2-DCE – cis-1,2-DICHLOROETHENE
trans-1,2-DCE – trans-1,2-DICHLOROETHENE
1,2-DCA – 1,2-DICHLOROETHENE
1,1,1-TCA – 1,1,1-TRICHLOROETHANE
1,1,2-TCA – 1,1,2-TRICHLOROETHANE
TCE – TRICHLOROETHENE
MC – METHYLENE CHLORIDE
VC – VINYL CHLORIDE
NA – NOT ANALYZED
ND – NOT REPORTED ABOVE METHOD DETECTION LIMITS
NS – NOT SAMPLED
J VALUE INDICATES RESULTS ESTIMATED FROM LABORATORY
LOCATIONS OF MONITORING WELLS MW-1 AND MW-5
ARE APPROXIMATE.
9.0/6.5 – ORIGINAL/DUPLICATE SAMPLE RESULTS

GROUNDWATER SAMPLES COLLECTED MAY 8 THROUGH 10, 2007.

MONITORING WELL IDENTIFICATION KEY	
FORMER WELL IDENTIFICATION	NEW WELL IDENTIFICATION
MW-99-01	MW-10
MW-99-02	MW-11
MW-99-03	MW-12
MW-99-04	MW-13D
MW-00-5S	MW-14
MW-00-5D	MW-14D
MW-00-06	MW-15D
MW-00-BG	MW-16D

LEGEND
TR-2 – BUILDING
– MONITORING WELL
PZ – PIEZOMETER
MW – MONITORING WELL NOT PART OF SITE-WIDE GROUNDWATER MONITORING PROGRAM

250 0 250
GRAPHIC SCALE IN FEET

SOURCE:
PHILLIPS & ASSOCIATES SURVEYORS, P.C.
LIVERPOOL, NEW YORK
(FILE 2700.001)

ENSAFE
(800) 588-7962
MEMPHIS, TENNESSEE
ARKANSAS FLORIDA KENTUCKY MICHIGAN MISSISSIPPI
OHIO TENNESSEE TEXAS SOUTH CAROLINA
VIRGINIA SLOVAKIA

FIGURE 4
VOCs IN GROUNDWATER
MAY 2007
CARRIER CORPORATION
SYRACUSE, NEW YORK

DWG DATE: 06JUN07 | DWG NAME:803666R013

[1] TOTAL 1,2-DCE RESULT

Table 2
Groundwater Analytical Results
Carrier Thompson Rd. Facility

Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE	cis-1,2-DCE	1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NYSDEC Standard			**50 G**	**1**	**50 G**	**7**	**5**	**0.6**	**0.7 G**	**N/A**	**5**	**5**	**5**	**1**	**N/A**	**5**	**5 G**	**2**	**N/A**
MW-01	MW-01	12/31/1985	NA	NA	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND
	MW-1	2/8/1990	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	6/5/1990	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	11/16/1990	NA	NA	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND
	MW-1 (DUP)	11/16/1990	NA	NA	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND
	MW-1	5/22/1991	NA	ND	NA	NA	**3**	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-1	2/6/1992	NA	ND	NA	NA	**3**	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	**6**	NA
	MW-1	8/10/1992	NA	ND	NA	NA	**3**	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	**6**	NA
	MW-1	2/22/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-1	8/23/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-1	5/2/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	8/25/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-1	2/15/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	8/21/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	2/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	8/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	2/6/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	8/22/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	2/17/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	8/31/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	3/4/1999	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	8/27/1999	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	3/2/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	CARGMW0103	4/18/2000	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND
	MW-1	8/15/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	CARGMW0104	7/12/2001	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
(Duplicate)	MW-1	7/12/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	12/18/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	CARGMW0105	6/24/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0105	6/23/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0106	6/21/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0106	7/11/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0107	11/7/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	CARGMW0108	2/12/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	CARGMW0109	5/8/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-03D	MW-3D	12/31/1985	NA	NA	ND	ND	ND	ND	ND	NA	**39**	NA	ND	ND	ND	ND	ND	ND	ND
	MW-3D	2/8/1990	NA	ND	NA	NA	ND	ND	ND	NA	ND	**21**	NA	ND	NA	ND	NA	ND	NA
	MW-3D	6/5/1990	NA	ND	NA	NA	ND	ND	ND	NA	240	NA	NA	ND	NA	ND	NA	ND	NA
	MW-3D	5/22/1991	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-3D	2/5/1992	NA	ND	NA	NA	**22**	ND	**3**	NA	ND	NA	NA	ND	NA	ND	NA	**44**	NA
	MW-3D	8/10/1992	NA	ND	NA	NA	**100**	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	**450**	NA
	MW-3D	2/22/1993	NA	ND	NA	NA	**14**	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	**29**	NA
	MW-3D	8/23/1993	NA	ND	NA	NA	**76**	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	**97**	NA
	MW-3D	5/2/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	**26**	NA	ND	NA	ND	NA	ND	NA
	MW-3D	8/25/1994	NA	ND	NA	NA	**5**	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	**12**	NA
	MW-3D	2/15/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	**11**	NA	ND	NA	ND	NA	ND	NA
	MW-3D	8/21/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	**21**	NA	ND	NA	ND	NA	ND	NA
	MW-3D	2/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	**25**	NA	ND	NA	ND	NA	ND	NA
	MW-3D	8/9/1996	NA	ND	NA	NA	**4**	ND	ND	NA	ND	**140**	NA	ND	NA	ND	NA	**5**	NA
	MW-3D	2/6/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	**17**	NA	ND	NA	ND	NA	ND	NA
	MW-3D	8/22/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	**8**	NA	ND	NA	ND	NA	ND	NA
	MW-3D	2/17/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	**13**	NA	ND	NA	ND	NA	ND	NA
	MW-3D	8/31/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	**10**	NA	ND	NA	ND	NA	ND	NA
	MW-3D	3/4/1999	NA	ND	NA	NA	ND	ND	ND	NA	ND	**13**	NA	ND	NA	ND	NA	ND	NA
	MW-3D	8/27/1999	NA	ND	NA	NA	ND	ND	ND	NA	ND	**14**	NA	ND	NA	ND	NA	ND	NA
	MW-3D	3/2/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	**11**	NA	ND	NA	ND	NA	ND	NA
	CARGW03D03	5/2/2000	ND	ND	ND	ND	ND	ND	ND	**7**	NA	NA	ND	ND	ND	ND	ND	1.1 J	ND
	MW-3D	8/15/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	**19**	NA	ND	NA	ND	NA	ND	NA
	CARGMW3D04	7/12/2001	ND	ND	ND	ND	0.72 J	ND	ND	NA	1.2 J	**23.2**	ND	ND	ND	ND	ND	ND	ND
(Duplicate)	MW-3D	7/12/2001	NA	ND	NA	NA	**0.72**	ND	ND	NA	**1.2**	**23.2**	NA	ND	NA	ND	NA	ND	NA
	MW-3D	12/18/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	**12**	NA	ND	NA	ND	NA	ND	NA
	CARGMW3D05	6/25/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	**6.2**	ND	ND	ND	ND	ND	ND	ND
	CARGMW3D05	6/25/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	**4.8**	ND	ND	ND	ND	ND	ND	ND
(Duplicate)	CARHMW3D05	6/25/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	**4.7**	ND	ND	ND	ND	ND	ND	ND
	CARHMW3D06	6/21/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	**14.4**	ND	ND	ND	ND	ND	ND	ND
	CARGMW3D06	7/12/2005	ND	ND	ND	ND	0.38 J	ND	ND	NA	ND	**12.7**	ND	ND	ND	ND	ND	0.70 J	ND
	CARGMW3D07	11/7/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	**8.7**	ND	ND	ND	ND	ND	ND	ND
	CARGMW3D08	2/12/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	**9.4**	ND	ND	ND	ND	ND	ND	ND
	CARGMW3D09	5/8/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	**5.5**	ND	ND	ND	ND	ND	ND	ND

Table 2
Groundwater Analytical Results
Carrier Thompson Rd. Facility

Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE	cis-1,2-DCE	1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NYSDEC Standard			**50 G**	**1**	**50 G**	**7**	**5**	**0.6**	**0.7 G**	**N/A**	**5**	**5**	**5**	**1**	**N/A**	**5**	**5 G**	**2**	**N/A**
MW-03S	MW-3S	12/31/1985	NA	NA	ND	ND	**78**	ND	**15**	NA	**982**	NA	ND	ND	ND	ND	ND	ND	ND
	MW-3S	2/8/1990	NA	ND	NA	NA	ND	ND	ND	NA	ND	**32,000**	NA	ND	NA	ND	NA	ND	NA
	MW-3S	6/5/1990	NA	ND	NA	NA	**400**	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	**1,000**	NA
	MW-3S	11/16/1990	NA	NA	ND	NA	**490**	**7.6**	**100**	NA	**6.4**	NA	**17**	**9.5**	ND	**11**	ND	**1,600**	ND
(Duplicate)	MW-3S (DUP)	11/16/1990	NA	NA	ND	NA	**1,100**	**12**	**250**	NA	**12**	NA	ND	**10**	ND	**15**	ND	**1,200**	ND
	MW-3S	5/22/1991	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	**2,500**	NA
	MW-3S	2/5/1992	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-3S	8/10/1992	NA	ND	NA	NA	**370**	ND	**90**	NA	ND	NA	NA	ND	NA	ND	NA	**1,100**	NA
	MW-3S	2/22/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	**2,000**	NA
	MW-3S	8/23/1993	NA	ND	NA	NA	**660**	ND	ND	NA	ND	NR	NA	ND	NA	ND	NA	**1,000**	NA
	MW-3S	5/2/1994	NA	ND	NA	NA	**630**	ND	ND	NA	ND	**14,000**	NA	ND	NA	ND	NA	**1,700**	NA
	MW-3S	8/25/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	**800**	NA
	MW-3S	2/15/1995	NA	ND	NA	NA	**380**	ND	ND	NA	ND	**1,400**	NA	ND	NA	ND	NA	**790**	NA
	MW-3S	8/21/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	**11,000**	NA	ND	NA	ND	NA	**370**	NA
	MW-3S	2/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	**11,000**	NA	ND	NA	ND	NA	**650**	NA
	MW-3S	8/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	**11,000**	NA	ND	NA	ND	NA	ND	NA
	MW-3S	2/6/1997	NA	ND	NA	NA	ND	ND	**70**	NA	**7**	**9,300**	NA	**5**	NA	**7**	NA	**750**	NA
	MW-3S	8/22/1997	NA	ND	NA	NA	**200**	ND	**60**	NA	**6**	**8,500**	NA	**4**	NA	**6**	NA	**660**	NA
	MW-3S	2/17/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	**9,200**	NA	ND	NA	ND	NA	**1,400**	NA
	MW-3S	8/31/1998	NA	ND	NA	NA	**270**	ND	**68**	NA	**8**	**11,000**	NA	**5**	NA	**8**	NA	**1,300**	NA
	MW-3S	3/4/1999	NA	ND	NA	NA	**200**	ND	ND	NA	ND	**8,000**	NA	ND	NA	ND	NA	**550**	NA
	MW-3S	8/27/1999	NA	ND	NA	NA	**180**	ND	ND	NA	ND	**6,500**	NA	ND	NA	ND	NA	**440**	NA
	MW-3S	3/2/2000	NA	ND	NA	NA	**200**	ND	ND	NA	ND	**6,400**	NA	ND	NA	ND	NA	**940**	NA
	CARGMW3S03	4/20/2000	ND	ND	ND	ND	**240**	1.8 J	**60**	**8,100**	NA	NA	ND	3.7 J	ND	4.6 J	ND	**1,100**	ND
	MW-3S	8/15/2000	NA	ND	NA	NA	**190**	ND	ND	NA	ND	**6,500**	NA	ND	NA	ND	NA	**490**	NA
	CARGMW3S04	7/12/2001	ND	ND	ND	ND	**164**	ND	38.3 J	ND	13.9 J	**5,780**	ND	ND	ND	ND	ND	**567**	ND
(Duplicate)	MW-3S	7/12/2001	NA	ND	NA	NA	**164**	ND	**38.3**	NA	**13.9**	**5,780**	NA	ND	NA	ND	NA	**567**	NA
	MW-3S	12/18/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	**3,700**	NA	ND	NA	ND	NA	ND	NA
	CARGMW3S05	6/25/2002	ND	ND	ND	ND	**163**	ND	**34**	ND	ND	**5,410 E**	ND	ND	ND	2.6 J	ND	**746**	ND
(Duplicate)	CARHMW3S05	6/25/2002	ND	ND	ND	ND	**159**	ND	**34**	ND	ND	**5,320 E**	ND	ND	ND	2.2 J	ND	**739**	ND
	CARGMW3S05	6/23/2003	ND	ND	ND	ND	**144**	ND	**29**	NA	9.7 J	**6,450 D**	ND	ND	ND	ND	ND	**621**	18.4 J
	CARGMW3S06	6/21/2004	ND	ND	ND	ND	**136**	ND	**25.9**	NA	ND	**5,260 D**	ND	ND	ND	ND	ND	**808**	ND
	CARGMW3S	7/12/2005	ND	ND	ND	ND	**77.4**	ND	**17.7**	NA	5.0 J	**2,940**	ND	ND	ND	3.7 J	ND	**330**	ND
(Duplicate)	CARGDUP1	7/12/2005	ND	ND	ND	ND	**74.9**	ND	**15.5**	NA	4.9 J	**2,930**	ND	ND	ND	ND	ND	**311**	ND
	CARGMW3S07	11/7/2006	ND	ND	ND	ND	**65.5**	ND	**13.7**	NA	4.3 J	**1,900**[a]	ND	ND	ND	ND	ND	**244**	ND
	CARGMW3S08	2/12/2007	ND	ND	ND	ND	**47.8**	ND	**11.7**	NA	**11.3**	**1420**[a]	ND	ND	ND	1.9 J	ND	**154**	ND
	CARGMW3509	5/8/2007	ND	ND	ND	ND	**59.6**		**15.0**	NA	**9.0**	**2130** [a]	ND	ND	ND	2.4 J	ND	**221**	ND
MW-05	MW-5	2/8/1990	NA	ND	NA	NA	ND	ND	ND	NA	ND	**18**	NA	ND	NA	ND	NA	ND	NA
	MW-5	6/5/1990	NA	ND	NA	NA	ND	ND	ND	NA	**25**	NA	NA	ND	NA	ND	NA	ND	NA
	MW-5	11/16/1990	NA	NA	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MW-5	5/22/1991	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-5	2/5/1992	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-5	8/10/1992	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-5	2/22/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-5	8/23/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-5	5/2/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-5	8/25/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-5	2/15/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-5	8/21/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-5	2/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-5	8/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	**5**	NA
	MW-5	2/6/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	**12**	NA	**5**	NA	**7**	NA	ND	NA
	MW-5	8/22/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	**8**	NA	ND	NA	ND	NA	ND	NA
	MW-5	2/17/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-5	8/31/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-5	3/4/1999	NA	**5**	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-5	8/27/1999	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-5	3/2/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	CARGMW0503	5/2/2000	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND
	MW-5	8/15/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	CARGMW0504	7/12/2001	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
(Duplicate)	MW-5	7/12/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-5	12/18/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	CARGMW0505	6/24/2002	**117**	ND	1.4 J	ND	ND	ND	ND	NA	ND	0.24 J	ND	ND	ND	ND	ND	ND	ND
	CARGMW0505	6/25/2003	ND	ND	1.0 J	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0506	6/23/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0506	7/12/2005	**12.9**	ND	ND	ND	ND	ND	ND	NA	ND	0.27 J	ND	ND	ND	ND	ND	ND	ND
	CARGMW0507	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 2
Groundwater Analytical Results
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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE	cis-1,2-DCE	1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NYSDEC Standard			50 G	1	50 G	7	5	0.6	0.7 G	N/A	5	5	5	1	N/A	5	5 G	2	N/A
	CARGMW0508	2/13/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0509	5/8/2007	ND	ND	0.66 J	ND	ND	ND	ND	NA	ND	0.24 J	ND	ND	ND	ND	ND	ND	ND

Table 2
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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE	cis-1,2-DCE	1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NYSDEC Standard			50 G	1	50 G	7	5	0.6	0.7 G	N/A	5	5	5	1	N/A	5	5 G	2	N/A
MW-06	MW-6	2/8/1990	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	6/5/1990	NA	ND	NA	NA	ND	ND	ND	NA	13	NA	NA	ND	NA	ND	NA	ND	NA
	MW-6	11/16/1990	NA	NA	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0603	4/18/2000	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND
	MW-6	5/22/1991	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-6	2/5/1992	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	**4**	NA	ND	NA
	MW-6	8/10/1992	NA	ND	NA	NA	**7**	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	**13**	NA
	MW-6	2/22/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/23/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	**6**	NA	ND	NA
	MW-6	5/2/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/25/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-6	2/15/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/21/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	2/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	**5**	NA
	MW-6	2/6/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/22/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	**8**	NA	ND	NA	ND	NA	ND	NA
	MW-6	2/17/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/31/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	3/4/1999	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/27/1999	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	3/2/2000	NA	ND	NA	NA	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/15/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	CARGMW0604	7/12/2001	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
(Duplicate)	MW-6	7/12/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	12/18/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	CARGMW0605	6/24/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0605	6/23/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0606	6/21/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0606	7/11/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	**42.3**	**1.3**	ND	ND	ND
	CARGMW0607	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.91**	ND	ND	ND
	CARGMW0608	2/12/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.48**	ND	ND	ND
	CARGMW0609	5/8/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-09	MW-9	11/16/1990	NA	NA	ND	NA	**2.4**	**1.6**	ND	NA	ND	NA	**8.8**	ND	ND	**2.8**	ND	ND	ND
	CARGMW0903	4/18/2000	ND	ND	ND	ND	1.9 J	ND	ND	2.9 J	NA	NA	3.7 J	ND	ND	4.4 J	ND	ND	ND
	CARGMW0904	7/10/2001	ND	ND	ND	ND	2.4 J	ND	ND	4.51 J	0.61 J	3.9 J	**6.6**	ND	ND	**6.2**	ND	ND	ND
	CARGMW0905	6/25/2002	ND	ND	ND	ND	1.9 J	ND	ND	NA	ND	3.3 J	**5.9**	ND	ND	**6.6**	ND	ND	ND
	CARGMW0905	6/25/2003	ND	ND	ND	ND	**2**	ND	ND	NA	ND	**3.7**	**7.1**	ND	ND	**7.1**	ND	ND	ND
	CARGMW0906	6/21/2004	ND	ND	ND	ND	**1.5**	ND	ND	NA	ND	**2.8**	**5.8**	ND	ND	**8.3**	0.57 J	ND	ND
(Duplicate)	CARHMW0906	6/21/2004	ND	ND	ND	ND	**1.5**	ND	ND	NA	ND	**2.7**	**5.6**	ND	ND	**8**	0.55 J	ND	ND
	CARGMW0906	7/11/2005	ND	ND	ND	0.25 J	**1.8**	ND	ND	NA	ND	**3.2**	**7.1**	ND	ND	**9.1**	0.67 J	ND	ND
	CARGMW0907	11/7/2006	ND	ND	ND	ND	**2**	ND	ND	NA	ND	**2.9**	**8.1**	ND	ND	**8.5**	0.39 J	ND	ND
	CARGMW0908	2/12/2007	ND	ND	ND	ND	**0.91**	ND	ND	NA	ND	**1.2**	**2.9**	ND	ND	**3.8**	ND	ND	ND
	CARGMW0809	5/8/2007	ND	ND	ND	ND	**1.1**	ND	ND	NA	ND	**1.3**	**2.8**	ND	ND	**4.6**	0.32 J	ND	ND
MW-10	CARG990101	4/25/1999	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGW99103	4/19/2000	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
	CARG990104	7/11/2001	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1005	6/24/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1005	6/26/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1006	6/21/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1006	7/12/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1007	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1008	2/12/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
(Duplicate)	CARHMW1008	2/12/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1009	5/8/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-12	CARG990301	4/25/1999	**6.1**	ND	ND	ND	ND	ND	ND	NA	**14.1**	**5.2**	ND	ND	ND	**2.9**	ND	ND	ND
	CARGW99303	4/18/2000	ND	ND	ND	ND	ND	ND	ND	**6.5**	NA	NA	ND	ND	ND	**1.4**	ND	ND	ND
	CARG9903-04	7/11/2001	**26.5**	ND	ND	ND	ND	ND	ND	NA	1.9 J	3.9 J	ND	ND	ND	**1.1**	ND	ND	ND
	CARGMW1205	6/25/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1205	6/26/2003	ND	ND	ND	ND	ND	ND	ND	NA	**4.9**	**2.7**	ND	ND	ND	**4.4**	ND	ND	ND
	CARGMW1206	6/23/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1206	7/12/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.35 J	ND	ND	ND	0.42 J	ND	ND	ND
	CARGMW1207	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1208	2/13/2007	ND	ND	ND	ND	ND	ND	ND	NA	0.89 J	0.49 J	ND	ND	ND	ND	ND	ND	ND
	CARGMW1209	5/8/2007	ND	ND	0.29 J	ND	ND	ND	ND	NA	0.99 J	0.50 J	ND	ND	ND	0.50 J	ND	ND	ND
(Duplicate)	CARGHW1209	5/8/2007	ND	ND	0.29 J	ND	ND	ND	ND	NA	0.84 J	0.50 J	ND	ND	ND	0.43 J	ND	ND	ND

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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE	cis-1,2-DCE	1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NYSDEC Standard			**50 G**	**1**	**50 G**	**7**	**5**	**0.6**	**0.7 G**	**N/A**	**5**	**5**	**5**	**1**	**N/A**	**5**	**5 G**	**2**	**N/A**
MW - 13D	Interval 1 : (8.7-11.8)	10/11/1999	ND	ND	NA	NA	**128**	NA	17.7 J	NA	ND	**2,440**	NA	ND	NA	**21.8**	NA	**568**	NA
	Interval 2 : (13.7-16.8)	10/11/1999	ND	ND	NA	NA	247 J	NA	57.9 J	NA	ND	**6,940**	NA	ND	NA	ND	NA	**1,850**	NA
	Interval 3 : (18.7-22)	10/11/1999	NA	NA	NA	NA	230 J	NA	55.9 J	NA	ND	**6,520**	NA	ND	NA	ND	NA	**1,720**	NA
	Interval 4 : (23.6-26.9)	10/11/1999	ND	NA	NA	NA	225 J	ND	51.8 J	NA	ND	**6,310**	NA	ND	NA	ND	NA	**1,580**	NA
CARG-9904	Interval 5 : (28.7-31.8)	10/11/1999	ND	NA	NA	NA	225 J	NA	56 J	NA	ND	**6,310**	NA	ND	NA	ND	NA	**1,670**	NA
(Diffusion Sample)	Interval 6 : NS	10/11/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Interval 7 : No Sample	10/11/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Interval 8 : (44.1-47.2)	10/11/1999	NA	NA	NA	NA	138 J	NA	30.2 J	NA	ND	**4,290**	NA	NA	NA	ND	NA	**1,080**	NA
	Interval 9 : (48.7-51.7)	10/11/1999	NA	NA	NA	NA	110 J	NA	24.7 J	NA	ND	**3,230**	NA	NA	NA	ND	NA	**822**	NA
	Interval 10 : (54.2-57)	10/11/1999	NA	NA	NA	NA	82.8 J	NA	18.8 J	NA	ND	**2,360**	NA	NA	NA	ND	NA	**601**	NA
MW - 13D	Interval 1 : (9-12)	5/2/2000	ND	30 J	NA	NA	**160**	NA	**26**	**3,900**	ND	**3,900**	NA	1.1 J	NA	**36**	NA	**610**	NA
	Interval 2 : (14-17)	5/2/2000	ND	1.1 J	NA	NA	**180**	NA	**45**	**6,000**	ND	**6,000**	NA	2.5 J	NA	**12**	NA	**970**	NA
	Interval 3 : (19-22.5)	5/2/2000	NA	NA	NA	NA	**160**	NA	**34**	**5,200**	ND	**5,200**	NA	2.6 J	NA	**7.3**	NA	**830**	NA
	Interval 4 : (24.1-27)	5/2/2000	4.6 J	NA	NA	NA	**160**	1.1 J	**40**	NA	ND	**5,500**	NA	2.3 J	NA	**8.2**	NA	**690**	NA
(Diffusion Sample)	Interval 5 : (29.5-32)	5/2/2000	ND	NA	NA	NA	**170**	NA	**44**	**5,600**	ND	**5,600**	NA	2.3 J	NA	**8.7**	NA	**880**	NA
	Interval 6 : (34.1-37.1)	5/2/2000	NA	NA	NA	NA	**120**	NA	**29**	**4,800**	ND	**4,800**	NA	2.0 J	NA	**5.7**	NA	**560**	NA
	Interval 7 : (38.8-42)	5/2/2000	NA	NA	NA	NA	**89**	NA	**20**	**2,900**	ND	**2,900**	NA	ND	NA	3.9 J	NA	**390**	NA
	Interval 8 : (43.2-47)	5/2/2000	NA	NA	NA	NA	**61**	NA	**14**	**1,900**	ND	**1,900**	NA	NA	NA	2.6 J	NA	**280**	NA
	Interval 9 : (48-52.2)	5/2/2000	NA	NA	NA	NA	**41**	NA	**9.6**	NA	ND	**1,500**	NA	NA	NA	2.0 J	NA	**190**	NA
	Interval 10 : (54-57)	5/2/2000	NA	NA	NA	NA	**13**	NA	3.1 J	NA	ND	**390**	NA	NA	NA	ND	NA	**66**	NA
MW - 13D	Interval 1 : (9-12)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Interval 2 : (14-17)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Interval 3 : (19-22.5)	7/13/2001	NA	NA	NA	NA	**137**	NA	ND	NA	ND	**4,080**	NA	ND	NA	ND	NA	**500**	NA
	Interval 4 : (24.1-27)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Interval 5 : (29.5-32)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
(Diffusion Sample)	Interval 6 : (34.1-37.1)	7/13/2001	NA	NA	NA	NA	**182**	NA	ND	NA	ND	**6,720**	NA	ND	NA	ND	NA	**1,090**	NA
	Interval 7 : (38.8-42)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Interval 8 : (43.2-47)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Interval 9 : (48-52.2)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Interval 10 : (54-57)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW - 13D	Interval 1 : (9-11)	7/13/2001	ND	NA	NA	NA	34.4 J	NA	9.7 J	NA	ND	**1,210**	NA	NA	NA	NA	NA	**199**	NA
	Interval 2 : (14-16)	7/13/2001	ND	ND	NA	NA	32 J	NA	ND	NA	ND	**1,160**	NA	ND	NA	ND	NA	**190**	NA
	Interval 3 : (19-21)	7/13/2001	NA	NA	NA	NA	45.1 J	NA	10.3 J	NA	ND	**1,600**	NA	ND	NA	ND	NA	**230**	NA
	Interval 4 : (24-26)	7/13/2001	ND	NA	NA	NA	69.9 J	ND	ND	NA	ND	**2,390**	NA	ND	NA	ND	NA	**338**	NA
(Low-Flow Sample)	Interval 5 : (29-31)	7/13/2001	ND	NA	NA	NA	**52**	NA	112 J	NA	ND	**1,730**	NA	ND	NA	ND	NA	**259**	NA
	Interval 6 : (34-36)	7/13/2001	NA	NA	NA	NA	**52.7**	NA	11.2 J	NA	ND	**1,810**	NA	ND	NA	ND	NA	**256**	NA
	Interval 7 : (39-40)	7/13/2001	NA	NA	NA	NA	61.1 J	NA	ND	NA	ND	**2,070**	NA	ND	NA	ND	NA	**332**	NA
	Interval 8 : (44-46)	7/13/2001	NA	NA	NA	NA	**54.4**	NA	11.6 J	NA	ND	**1,850**	NA	NA	NA	ND	NA	**281**	NA
	Interval 9 : (49-50)	7/13/2001	NA	NA	NA	NA	60.4 J	NA	ND	NA	ND	**1,950**	NA	NA	NA	ND	NA	**268**	NA
	Interval 10 : (54-56)	7/13/2001	NA	NA	NA	NA	43.4 J	NA	ND	NA	ND	**1,480**	NA	NA	NA	ND	NA	**219**	NA
MW - 13D	Interval 1 : (7-10)	8/13/2002	ND	1.4 J	NA	NA	**32.6**	NA	1.7 J	NA	ND	**530**	NA	ND	NA	2.4 J	NA	**26.9**	NA
	Interval 2 : (12-15)	8/13/2002	**66.8**	ND	NA	NA	163 J	NA	41.1 J	NA	ND	**5,570**	NA	ND	NA	ND	NA	**680**	NA
	Interval 3 : (17-20)	8/13/2002	NA	NA	NA	NA	174 J	NA	41.8 J	NA	ND	**6,170**	NA	ND	NA	ND	NA	**730**	NA
	Interval 4 : (22-25)	8/13/2002	ND	NA	NA	NA	135 J	ND	ND	NA	ND	**5,140**	NA	ND	NA	ND	NA	**573**	NA
(Diffusion Sample)	Interval 5 : (27-30)	8/13/2002	ND	NA	NA	NA	147 J	NA	34.4 J	NA	ND	**5,360**	NA	ND	NA	ND	NA	**607**	NA
	Interval 6 : (32-35)	8/13/2002	NA	NA	NA	NA	149 J	NA	36.2 J	NA	ND	**5,350**	NA	ND	NA	ND	NA	**692**	NA
	Interval 7 : (37-40)	8/13/2002	NA	NA	NA	NA	76.4 J	NA	17.8 J	NA	ND	**2,780**	NA	ND	NA	ND	NA	**337**	NA
	Interval 8 : (42-45)	8/13/2002	NA	NA	NA	NA	69.8 J	NA	16.0 J	NA	ND	**2,660**	NA	NA	NA	ND	NA	**310**	NA
	Interval 9 : (47-50)	8/13/2002	NA	NA	NA	NA	61.4 J	NA	14.3 J	NA	ND	**2,340**	NA	NA	NA	ND	NA	**273**	NA
	Interval 10 : (54-57)	8/13/2002	NA	NA	NA	NA	**50.1**	NA	10.7 J	NA	ND	**1,720**	NA	NA	NA	ND	NA	**231**	NA
MW - 13D	Interval 1 : (7-10)	6/25/2003	**11.7**	**3.8**	NA	NA	**1.3**	NA	ND	NA	ND	**60.2**	NA	0.46 J	NA	ND	NA	**ND**	NA
	Interval 2 : (12-15)	6/25/2003	ND	ND	NA	NA	**145**	NA	15.4 J	NA	ND	**4,610**	NA	ND	NA	ND	NA	**1,070**	NA
	Interval 3 : (17-20)	6/25/2003	NA	NA	NA	NA	**150**	NA	ND	NA	ND	**5,040**	NA	ND	NA	ND	NA	**1,090**	NA
	Interval 4 : (22-25)	6/25/2003	ND	NA	NA	NA	**140**	ND	ND	NA	ND	**4,560**	NA	ND	NA	ND	NA	**1,020**	NA
(Diffusion Sample)	Interval 5 : (27-30)	6/25/2003	ND	NA	NA	NA	**143**	NA	ND	NA	ND	**4,870**	NA	ND	NA	ND	NA	**1,070**	NA
	Interval 6 : (32-35)	6/25/2003	NA	NA	NA	NA	**139**	NA	22.7 J	NA	ND	**4,570**	NA	ND	NA	ND	NA	**1,050**	NA
	Interval 7 : (37-40)	6/25/2003	NA	NA	NA	NA	**70.8**	NA	10.5 J	NA	ND	**2,320**	NA	ND	NA	ND	NA	**580**	NA
	Interval 8 : (42-45)	6/25/2003	NA	NA	NA	NA	**72 / 72.7**	NA	**17.4 / 15.7**	NA	ND / ND	**1950 / 2250**	NA	NA	NA	ND / ND	NA	**631 / 644**	NA
	Interval 9 : (47-50)	6/25/2003	NA	NA	NA	NA	**70.3**	NA	**16.6**	NA	4.7 J	**2,040**	NA	NA	NA	ND	NA	**649**	NA
	Interval 10 : (54-57)	6/25/2003	NA	NA	NA	NA	**34.6**	NA	**6.9**	NA	ND	**1,030**	NA	NA	NA	ND	NA	**315**	NA
MW - 13D	Interval 1 : (7-10)	6/23/2004	**36.9**	**2.2**	NA	NA	.88 J	NA	ND	NA	ND	**47.9**	NA	ND	NA	ND	NA	**ND**	NA
	Interval 2 : (12-15)	6/23/2004	ND	ND	NA	NA	**115**	NA	**31**	NA	ND	**3,820**	NA	ND	NA	ND	NA	**579**	NA
	Interval 3 : (17-20)	6/23/2004	NA	NA	NA	NA	**127**	NA	**34.4**	NA	ND	**4,210**	NA	ND	NA	ND	NA	**607**	NA
	Interval 4 : (22-25)	6/23/2004	ND	NA	NA	NA	**127**	ND	**34.3**	NA	ND	**3,860**	NA	ND	NA	ND	NA	**625**	NA
(Diffusion Sample)	Interval 5 : (27-30)	6/23/2004	ND	NA	NA	NA	**122**	NA	**35.9**	NA	ND	**3,870**	NA	ND	NA	ND	NA	**657**	NA
	Interval 6 : (32-35)	6/23/2004	NA	NA	NA	NA	**127**	NA	**32.9**	NA	ND	**3,730**	NA	ND	NA	ND	NA	**663**	NA
	Interval 7 : (37-40)	6/23/2004	NA	NA	NA	NA	**43.7**	NA	**12.3**	NA	ND	**1,420**	NA	ND	NA	ND	NA	**230**	NA
	Interval 8 : (42-45)	6/23/2004	NA	NA	NA	NA	**38.3**	NA	**10.8**	NA	ND	**1,290**	NA	NA	NA	ND	NA	**200**	NA
	Interval 9 : (47-50)	6/23/2004	NA	NA	NA	NA	**32.1 / 32.3**	NA	9 J / 8.5 J	NA	ND / ND	**1100 / 1100**	NA	NA	NA	ND / ND	NA	**177 / 179**	NA
	Interval 10 : (54-57)	6/23/2004	NA	NA	NA	NA	**20.9**	NA	**5.5**	NA	ND	**706**	NA	NA	NA	ND	NA	**108**	NA

Table 2
Groundwater Analytical Results
Carrier Thompson Rd. Facility

Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE	cis-1,2-DCE	1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NYSDEC Standard			**50 G**	**1**	**50 G**	**7**	**5**	**0.6**	**0.7 G**	**N/A**	**5**	**5**	**5**	**1**	**N/A**	**5**	**5 G**	**2**	**N/A**
MW - 13D	Interval 1 : (7-10)	7/13/2005	7.5 J	0.9 J	NA	NA	**37.9**	NA	**3.9**	NA	**1.5**	**719**	NA	ND	NA	**2.4**	NA	**13.8**	NA
	Interval 2 : (12-15)	7/13/2005	ND	ND	NA	NA	**102**	NA	**21.2**	NA	**27.8**	**3,560**	NA	ND	NA	3.2 J	NA	**400**	NA
	Interval 3 : (17-20)	7/13/2005	NA	NA	NA	NA	**89.3**	NA	**18.9**	NA	**19.3**	**3,280**	NA	ND	NA	3 J	NA	**345**	NA
	Interval 4 : (22-25)	7/13/2005	ND	NA	NA	NA	**95.7**	ND	**56 J**	NA	**22.3**	**3,420**	NA	ND	NA	3.1 J	NA	**342**	NA
(Diffusion Sample)	Interval 5 : (27-30)	7/13/2005	**91.3**	NA	NA	NA	**ND**	NA	**18.5**	NA	**15.9**	**3,190**	NA	ND	NA	2.9 J	NA	**330**	NA
	Interval 6 : (32-35)	7/13/2005	NA	NA	NA	NA	**49.2**	NA	**7.2**	NA	**47**	**1,580**	NA	ND	NA	1.5 J	NA	**170**	NA
	Interval 7 : (37-40)	7/13/2005	NA	NA	NA	NA	**39.7**	NA	**5**	NA	**51.3**	**1,290**	NA	ND	NA	1.2 J	NA	**139**	NA
	Interval 8 : (42-45)	7/13/2005	NA	NA	NA	NA	**36.2 / 38.2**	NA	**4.3 / 6.6**	NA	**59.6 / 18.4**	**1140 / 1230**	NA	NA	NA	1.2 J / 1.1 J	NA	**130 / 154**	NA
	Interval 9 : (47-50)	7/13/2005	NA	NA	NA	NA	**25**	NA	**99**	NA	**26.2**	**923**	NA	NA	NA	1.1 J	NA	**77.3**	NA
	Interval 10 : (54-57)	7/13/2005	NA	NA	NA	NA	**29.6**	NA	**7**	NA	.92 J	**728**	NA	NA	NA	.93 J	NA	**152**	NA
MW-13D	Interval 6 : (32-35)	11/9/2006	ND	ND	ND	ND	**23.5**	ND	**5.1**	NA	**1.6**	**577**[a]	ND	ND	ND	.75 J	ND	**121**	ND
	Interval 7 : (37-40)	11/9/2006	ND	ND	ND	ND	**19.4**	ND	**4.2**	NA	**1.1**	**542**[a]	ND	ND	ND	.67 J	ND	**106**	ND
(Diffusion Sample)	Interval 8 : (42-45)	11/9/2006	ND	ND	ND	ND	**17.7**	ND	**3.9**	NA	0.98 J	**459**[a]	ND	ND	ND	.59 J	ND	**101**	ND
	Interval 9 : (47-50)	11/9/2006	ND	ND	ND	ND	**13.5**	ND	**2.6**	NA	1.6 J	**390**	ND	ND	ND	ND	ND	**80.3**	ND
	Interval 10 : (54-57)	11/9/2006	ND	ND	ND	ND	**7.9**	ND	1.4 J	NA	ND	**219**	ND	ND	ND	ND	ND	**48**	ND
MW-13D	Interval 6 : (32-35)	2/12/2007	ND	ND	ND	ND	**13.1**	ND	**3.7**	NA	ND	**412**[a]	ND	ND	ND	ND	ND	**87.2**	ND
	Interval 7 : (37-40)	2/12/2007	ND	ND	ND	ND	**10.1**	ND	**3.1**	NA	0.84 J	**286**[a]	ND	ND	ND	0.39 J	ND	**71**	ND
(Diffusion Sample)	Interval 8 : (42-45)	2/12/2007	ND	ND	ND	ND	**10.1**	ND	**3**	NA	0.75 J	**290**[a]	ND	ND	ND	0.39 J	ND	**71**	ND
	Interval 9 : (47-50)	2/12/2007	ND	ND	ND	ND	**7.7**	ND	**2.2**	NA	0.50 J	**221**[a]	ND	ND	ND	0.31 J	ND	**54.9**	ND
	Interval 10 : (54-57)	2/12/2007	ND	ND	ND	ND	**4.4**	ND	**1**	NA	0.44 J	**146**	ND	ND	ND	ND	ND	**26.4**	ND
MW-13D	Interval 6 : (32-35)	5/9/2007	3.9 J	ND	ND	ND	**10.7**	ND	**3.1**	NA	**1.0**	**342**[a]	ND	ND	ND	0.43 J	ND	**105**	ND
	Interval 7 : (37-40)	5/9/2007	ND	ND	ND	ND	**7.5**	ND	**2.1**	NA	**1.3**	**227**[a]	ND	ND	ND	ND	ND	**73.6**	ND
(Diffusion Sample)	Interval 8 : (42-45)	5/9/2007	ND	ND	ND	ND	**7.0**	ND	**2.0**	NA	0.82 J	**210**[a]	ND	ND	ND	ND	ND	**72.9**	ND
	Interval 9 : (47-50)	5/9/2007	4.6 J	ND	ND	ND	**5.6**	ND	**1.5**	NA	0.56 J	**185**	ND	ND	ND	ND	ND	**57.5**	ND
	Interval 10 : (54-57)	5/9/2007	ND	ND	ND	ND	**3.1**	ND	0.96 J	NA	ND	**107**	ND	ND	ND	ND	ND	**36.2**	ND
MW-14	CARGMW005S	4/27/2000	**28**	ND	ND	ND	2.2J	ND	ND	1.9 J	NA	NA	ND	ND	ND	ND	ND	**6**	ND
	CARGMW5S04	7/11/2001	ND	ND	ND	ND	1.2 J	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	**5.2**	ND
	CARGMW5S05	6/24/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.24 J	ND	ND	ND	ND	ND	ND	ND
	CARGMW1405	6/26/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1406	6/22/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	0.80 J	ND
	CARGMW1406	7/13/2005	ND	ND	ND	ND	ND	0.57 J	ND	NA	ND	ND	ND	ND	ND	ND	ND	**1.8**	ND
	CARGMW1407	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1408	2/13/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1409	5/8/2007	ND	ND	ND	ND	ND	0.27 J	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-14D	CARGMW005D	4/28/2000	8.1 J	ND	ND	3.0 J	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND
	CARGMW5D04	7/11/2001	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1405	6/25/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
(Duplicate)	CARHMW1405	6/25/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW14D05	6/26/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW14D06	6/22/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW14D06	7/13/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW14D07	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW14D08	2/14/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
(Duplicate)	CARGMW14D08	2/14/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW14D09	5/9/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-15D	CARGMW006	4/28/2000	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND
	CARG000604	7/11/2001	**7.2**	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
	CARH000604	7/11/2001	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
	CARGMW15D05	6/25/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW15D05	6/24/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW15D06	6/23/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW15D	7/12/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
(Duplicate)	CARGDUP2	7/12/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW15D07	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
(Duplicate)	CARHMW15D07	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARHMW15D08	2/14/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW15D09	5/9/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-16D	CARGMW00BG	4/27/2000	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND
	CARGMW16D04	7/10/2001	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW16D05	6/24/2002	**76.8**	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW16D05	6/23/2003	**19.8**	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW16D06	6/23/2004	**1,870 D**	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW16D	7/12/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW16D07	11/9/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
(Duplicate)	CARHMW16D07	11/9/2006	648 J	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW16D08*	2/14/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	CARGMW16D09	5/9/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(Duplicate)	CARHMW16D09	5/9/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 2
Groundwater Analytical Results
Carrier Thompson Rd. Facility

Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE	cis-1,2-DCE	1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NYSDEC Standard			**50 G**	**1**	**50 G**	**7**	**5**	**0.6**	**0.7 G**	**N/A**	**5**	**5**	**5**	**1**	**N/A**	**5**	**5 G**	**2**	**N/A**
MW–17	CARG010704	7/13/2001	**6**	ND	ND	ND	ND	ND	ND	NA	2.5 J	**249**	ND	ND	ND	**42.6**	ND	**11**	ND
	CARGMW1705	6/26/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1705	6/24/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1706	6/23/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1706	7/12/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1707	11/8/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1708	2/13/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1709	5/8/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-18	CARG010804	7/13/2001	ND	ND	ND	ND	ND	ND	ND	NA	29.2 J	**7,020**	ND	ND	ND	**8,760**	ND	**505**	ND
	CARGMW1805	6/26/2002	ND	ND	ND	ND	10.6 J	ND	15.4 J	NA	35.7 J	**2,770**	ND	ND	ND	**5,580**	ND	**233**	ND
	CARGMW1805	6/24/2003	ND	ND	ND	ND	7.4 J	ND	8.5 J	NA	**19.3**	**2,740**	ND	ND	ND	**1,840 D**	ND	**134**	ND
	CARGMW1806	6/22/2004	**24.7**	ND	ND	ND	**2**	ND	ND	NA	ND	**4.8**	ND	ND	ND	0.42 J	ND	**14.9**	ND
(Duplicate)	CARGMW1806	6/22/2004	**26.1**	ND	ND	ND	**2.1**	ND	ND	NA	ND	**4.9**	ND	ND	ND	0.42 J	ND	**15.8**	ND
	CARGMW1806	7/12/2005	ND	ND	ND	ND	ND	ND	11.0 J	NA	14.5 J	**4,530**	ND	ND	ND	ND	ND	**1,680**	ND
	CARGMW1807	11/8/2009	ND	ND	ND	ND	ND	ND	**21.8**	NA	**22.3**	**7140**[a]	ND	ND	ND	**786**	ND	**1,420**	ND
	CARGMW1808	2/13/2007	ND	ND	ND	ND	5.0 J	ND	9.9 J	NA	9.1 J	**2280**[a]	ND	ND	ND	**211**	ND	**456**	ND
	CARGMW1809	5/8/2007	ND	ND	ND	ND	3.6 J	ND	**7.0**	NA	**7.4**	**1790** [a]	ND	ND	ND	**57.1**	ND	**776**	ND
MW-19	CARGMW1901	6/28/2002	ND	ND	ND	0.32 J	ND	ND	ND	NA	ND	1.2 J	ND	ND	ND	0.71 J	ND	ND	ND
	CARGMW1905	6/25/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARHMW1905	6/25/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**1.4**	ND	ND	ND
	CARGMW1906	6/21/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**1.5**	ND	ND	ND
	CARGMW1906	7/11/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**2.4**	ND	ND	ND
	CARGMW1907	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**1.2**	ND	ND	ND
	CARGMW1908	2/12/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**1.2**	ND	ND	ND
	CARGMW1909	5/8/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**1.2**	ND	ND	ND

Notes:
G = New York State Guidance Value
ND = Not detected above method detection limits
NA = Not Analyzed
NS = Not Samplesd as part of the Site-Wide Monitoring Plan
mg/L = milligrams per liter
µg/L = micrograms per liter
Detections highlighted in **BOLD**
J value indicates concentration is estimated and is below method detection limits.
a indicates diluted sample results.
E indicates concentration exceeds calibration range of the instrument.
* MW-16 was not sampled for the February 2007 event due to inability to access well because of snow piles and accumulation.

3.0 STORM SEWER MANHOLE SEDIMENT REMOVAL

3.1 Background

As part of Carrier's Leak Inspection Program in 1990, several transformers in the Transformer Yard were identified as having leaks. Polychlorinated biphenyl (PCB) transformers were retrofitted with non-PCB containing fluid. A removal action encompassing soil removal within the transformer yard was completed in 1996. Following this removal action, PCBs were identified in sediment accumulated in the central and western storm sewer lines at the facility. In late 2002, as part of an interim action, the western-most storm sewer line system was power washed and cleaned of sediment to remediate any sediment containing PCBs in the storm sewer system downgradient of the former transformer yard. In 2003 the central storm sewer line was also cleaned using techniques employed previously in cleaning of the western-most storm line. The storm sewer cleaning was performed to minimize potential migration of PCBs through the storm sewer system to Sanders Creek. Sediment trapped within the lines periodically loosens or migrates from resting places. A synopsis of the activities conducted in conjunction with the PCB-impacted sediments at the site was presented in Section 1.3 of the Revised Site-Wide Monitoring Plan submitted to NYSDEC in September 2006 and subsequently approved in October 2006. As stated in the work plan the PCB detections in the storm sewer lines are not the result of ongoing releases from a source area but the result of historical releases that have migrated into the lines. Removing sediment accumulated in the western and central lines has been an excellent interim measure to manage the occurrence of PCBs in the lines and decrease overall the potential available amount of sediment containing PCBs. The storm line cleanings have also minimized the amount of PCB sediment which may migrate to Sanders Creek.

3.2 Storm Line Cleaning Activities

Storm line manhole sediment removal began the morning of May 9, 2007. Environmental Products and Services of Vermont, Inc. (EPS) of Syracuse, New York was contracted to provide a vacuum truck to remove accumulated sediment within the western and central storm line manholes at the facility. The manholes from which sediment was to be removed were presented in the NYSDEC-approved Site-Wide Monitoring Plan. Removal began in the upgradient (or southern) area of the western-most storm line at the facility. Sediment removal activities proceeded northward systematically toward the end of the storm line at Wet Well 2 and Outfall 011. Sediment was also removed from additional manholes along the western storm line which were not identified previously in the approved Site-Wide Monitoring Plan, but were evacuated of sediment to perform a more complete removal action. These manholes were identified and trend north-south in an area east of the main western storm line between the access drive west of Building TR-1 and the building itself. These manholes and catch basins have connector lines that tie into the western storm line.

EnSafe and EPS began removal of sediment from the central storm line manholes once the western line was completed. Again, the removal activities began in the upgradient area of the central line in the southwest portion of the facility. Sediment removal operations continued systematically northward until the removal activities reached the area of Building TR-6. After sediment was removed in manholes from this area, operations moved to the northwestern portion of the central line, immediately south of Building TR-2. Sediment was removed form manholes in this area, with the field crew working toward the main central line. Sediment was then removed from manholes in the areas west of TR-18 and TR-18 S. Following up from the TR-18 area, sediment was removed from manholes along the east side of TR-1 and subsequently on the west site of TR-4 and lines leading to the main central storm line in these areas.

3.3 Storm Line Sediment Sampling

Composite sediment samples were collected from sections of manholes evacuated for PCB analysis. Table 3 identifies the sample identification, manholes sampled to compose the composite sample, and analytical results. Manhole sediment PCB analytical results are presented in Appendix B.

Table 3
Carrier Thompson Road Facility Composite Storm Line Sediment Results

Sample ID	Date Collected	Manholes From Which Sediment Collected	Analytical Results (mg/kg)
CTRSESEC01	05/10/07	MHs 91 through MH 99	Aroclor 1260 – 0.589
CTRSESEC02	05/14/07	MHs 142, 153, 224, 222a, 144, 149, CB-2, 125	Aroclor 1260 – 0.134
CTRSESEC03	05/10/07	MHs 97, 256, 101, 243, 138, 277, 259C, 259B	Aroclor 1260 – 0.749
CTRSESEC04	05/11/07	MHs 135, 134, 136, 130, 136A, 136B, 115A, 131, 122, 129, 133, 126, 139A, 140, 133A, 133, 127, 128, 141, 141A, 220C, 220B, 220.	Aroclor 1260 – 0.405
CTRSESEC05	05/12/07	MHs 200, 201, 203, 202, 204A, 157	All Aroclors - non-detect
CTRSESEC06	05/12/07	MHs 150, 219, 148, 147, 218, 145, 146, 198, 199, 214, 195	All Aroclors - non-detect
CTREQ051207	Equipment Blank	From stainless steel spoon	All Aroclors - non-detect

Notes:
Composite samples collected from specific manholes in storm line sections using stainless steel utensils.
mg/kg — milligrams per kilogram

Sediment samples were collected from select manholes that displayed abundant sediment using a stainless steel spoon at the end of a long pole. The spoon was rinsed with soapy water followed by potable water after each use. The equipment blank was collected by pouring laboratory-supplied deinonized water over the stainless steel spoon and collecting the water in laboratory-supplied sample containers.

Samples results indicate concentrations of the PCB Aroclor 1260 within historic concentrations of previous sampling events in the respective storm lines. Storm line sections having the highest PCB concentrations include the central portion of the western line, and both the southwestern and south central portions of the central storm line (Figure 5). The northern ands northeastern portions of the central storm line are non-detect for all PCB congeners analyzed.

NYSDEC SEDIMENT SAMPLE LOCATIONS
(SEE DETAIL 2)

ROUTE 298

SANDERS CREEK

001 1.4
002 ND ND
0.270 3.660 003 OUTFALL 002
004 0.80 0.468 OUTFALL 004
AROCLOR 1254-.19
AROCLOR 1260-.41
005 ND 1.18 SNDR-2 OUTFALL 005
0.06 006 OUTFALL 006
007 2.22
0.65 0.046 008 OUTFALL 007

HORIZONTAL CONNECTOR LINE
MH8 MH9 NS MH10 MH11 MH12 MH154 MH155 MH156 MH91 MH90 MH87 MH86 MH85 MH84B MH84 MH83A MH83 MH82B MH82 MH82A MH81B MH81 MH81A MH80A MH80 MH79A MH79 MH78A MH78 MH76 MH77 MH158 MH157 MH205 MH204 MH203 MH204A MH202 MH201 MH200 MH199 MH198 MH215 MH214 MH195 MH194 MH196 MH197 MH147 MH145 MH146 MH218 MH148 MH219 MH150 MH153 MH151 MH224 MH220 MH220A MH152 MH223 MH222B MH220B MH222A MH222 MH144 MH142 MH143 MH144A MH141A MH141 MH149 MH128 MH132 MH125 MH123 MH124 MH127 MH126 MH133 MH140 MH129 MH133A MH139A MH122 MH139 MH120 MH119 MH118 MH117 MH131 MH130 MH116 MH136A MH136B MH136 MH134 MH135 MH115 MH137 MH243 MH138 MH100 MH98 MH99 MH101 MH277 MH259C MH259B MH103 NA MH102 AROCLOR 1260-0.105 MH259 MH259A MH97 AROCLOR 1254-0.441 AROCLOR 1260-0.38 MH256 AROCLOR 1254-0.079 AROCLOR 1260-0.062

MH203 MH6 HORIZONTAL CONNECTOR LINE MH5 MH4 MH7 MH3 MH2 MH1 MH192 MH191 MH190 MH006A MH254 MH193 MH47 MH007A NS MH006B MH006C MH187 MH186 MH189 MH182 MH181 MH180 MH183 MH179 MH174 MH178 MH176 MH184 MH175 MH177 MH228 MH231 MH230 MH232 MH234 MH225 MH226 MH227 MH42 MH228 MH230A MH71 MH15 MH16 MH13 MH17 MH14 MH18 MH41 MH38 MH39 AROCLOR 1260-0.386 MH37 MH36 MH35 MH31 MH30 MH29 MH28 MH24 MH25 MH68 MH69 MH22 MH11 MH10 MH9 MH7 MH8 MH3 MH1 MH2 MH19 MH253 MH46 MH45 MH44 MH43 MH114 MH113 MH112 MH111 MH110 MH108 MH55 MH57 CB153 MH52 MH58 CB106 CB107 CB109 MH56 MH54 MH51 MH50 MH49 MH48 MH59 MH61

TR-1 TR-2B TR-2 TR-3 TR-4 TR-5 TR-6 TR-7 TR-7A TR-8 TR-9 TR-10 TR-11 TR-12 TR-13 TR-14 TR-18 TR-185 TR-21 TR-21A TR-22 TR-23 PSA-1 CB202A CB-2 TR-6A

SWMU'S 5 & 6

THOMPSON ROAD

TRANSFORMER YARD
(SEE DETAIL 1)

AROCLOR 1260-10.2
AROCLOR 1254-0.437
AROCLOR 1260-0.477
AROCLOR 1260-0.411
AROCLOR 1260-0.964
PCBs-ND

2 NYSDEC SEDIMENT SAMPLE LOCATIONS (mg/kg)

NOTE:
LOCATION OF L17 IS APPROXIMATELY 1500 FEET WEST OF COURT STREET

L17
SNDR-3
AROCLOR 1254-1.1
AROCLOR 1260-4.8
SNDR-4
AROCLOR 1254-1.1
AROCLOR 1260-4.1
L18
AROCLOR 1260-.016J
L103
AROCLOR 1016-.068
AROCLOR 1254-1.8
AROCLOR 1260-7.9
L101 ND
L102
AROCLOR 1016-0.034
AROCLOR 1254-2.133
AROCLOR 1260-7.4
CARRIER CIRCLE
CARRIER PARKWAY
SANDERS CREEK
THOMPSON ROAD

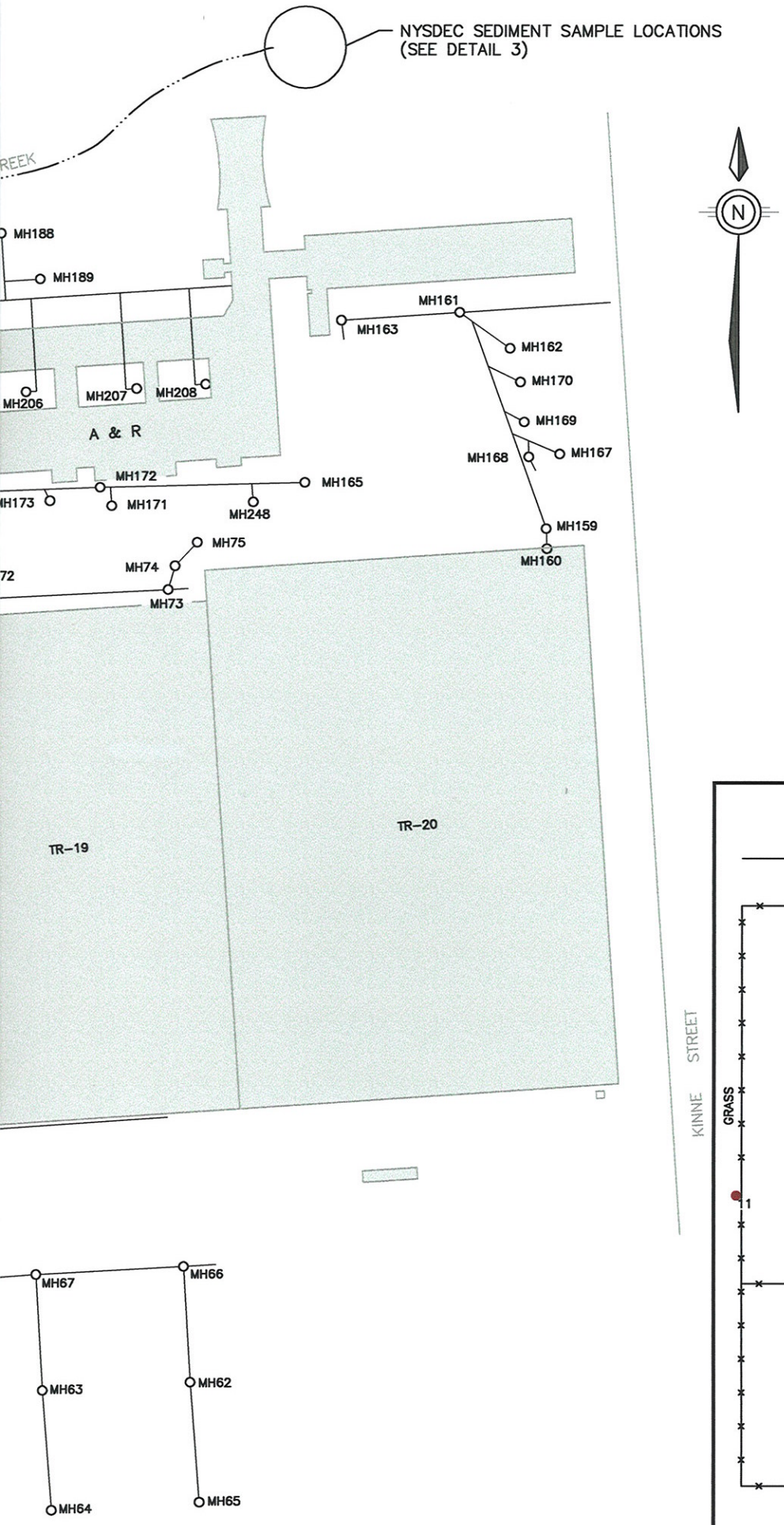
3 NYSDEC SEDIMENT SAMPLE LOCATIONS (mg/kg)

THE QUALIFIERS USED WERE OBTAINED FROM A NYSDEC GENERATED REPORT, AND WERE NOT DEFINED.

L106
AROCLOR 1254-0.083PJ
AROCLOR 1260-0.170K
L105 ND
COURT ST
SNDR-1
AROCLOR 1254-.17
AROCLOR 1260-.28
SD01 ND ND
SD02 ND ND
SD03 ND ND
SD04 ND ND
L104
AROCLOR 1254-0.140K
AROCLOR 1260-0.083K
SNDR-1A
AROCLOR 1254-.39
AROCLOR 1260-.15

4 PCB SAMPLE LOCATIONS 2007 (mg/kg)

STATION 1: SED01-SED02
STATION 2: SED03-SED07
STATION 3: SED08-SED09
CARRIER CIRCLE
SED01 ND
SED02 .348
SED03 Arochlor 1254-.344 Arochlor 1260-.646
SED04 ND
SED05 6.870
SED06 .102
SED07 2.130
SED08 8.220
SANDERS CR
THOMPSON ROAD



MANHOLE SEDIMENT RESULTS – MAY 2007

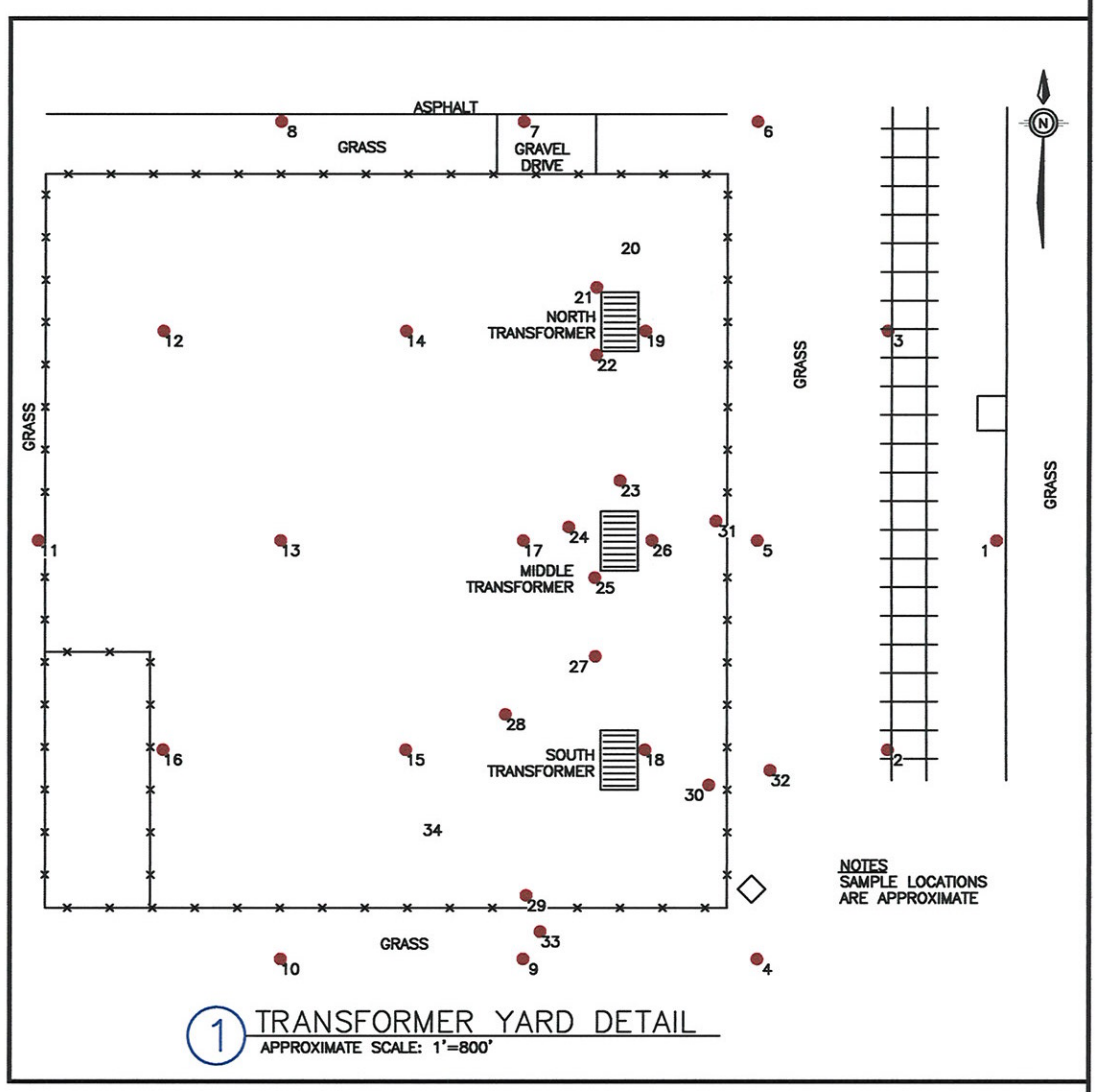
MH	SECTION 1	0.589
MH	SECTION 2	0.134
MH	SECTION 3	0.749
MH	SECTION 4	0.405
MH	SECTION 5	ND
MH	SECTION 6	ND

NOTE

ALL SAMPLE RESULTS PRESENTED IN PPM.

LEGEND

- BUILDING
- STORM SEWER AND SIZE
- NS — MANHOLE NOT SAMPLED DUE TO LACK OF SEDIMENT/ EQUIPMENT OVER LOCATION
- NA — MANHOLE NOT SAMPLED (COULD NOT LOCATE)
- ND — CONCENTRATIONS OF PCBs WAS BELOW METHOD DETECTION LIMITS
- MH — MANHOLE
- MH103 — MANHOLE SAMPLED (mg/kg)
- SEDIMENT SAMPLE LOCATION (mg/kg)
- ND (0–6') SAMPLE INTERVAL
- 1.18 (6–12') SAMPLE INTERVAL
- CRAYFISH SAMPLE LOCATION (2003)
- NYSDEC SEDIMENT SAMPLE LOCATION (ONONDAGA LAKE NPL SITE) TRIBUTARY SAMPLING, NYSDEC 1998 DATA)
- K — DESCRIPTOR ON NYSDEC ONONDAGA LAKE STUDY DEFINITION UNKNOWN
- SEDIMENT SAMPLE LOCATION (NOV 2006) (35.8) DUPLICATE



1 TRANSFORMER YARD DETAIL
APPROXIMATE SCALE: 1"=800'

ROUND I (mg/kg) 5/15/96 TO 6"		ROUND II (mg/kg) 6/27/96 TO 6"		ROUND III (mg/kg) 7/12/96		CONFIRMATION SAMPLES 7/12/96			CONFIRMATION SAMPLES 8/19/96		
SAMPLE I.D.	PCB RESULTS (AROCLOR 1260)	SAMPLE I.D.	PCB RESULTS (AROCLOR 1260)	SAMPLE I.D.	PCB RESULTS (AROCLOR 1260)	SAMPLE I.D.	PCB RESULTS (AROCLOR 1260)	SAMPLE DEPTH	SAMPLE I.D.	PCB RESULTS (AROCLOR 1260)	SAMPLE DEPTH
1	ND	20	6	31	1500	30	440	12"	29	<1	?
2	1	21	ND	32	8		810	18"	30	<1	?
3	1	22	2	33	1	18	9200	12"	31	23	?
4	1	23	ND	34	440		2600	18"	18	47	?
5	ND	24	11			27	34	12"	27	<1	?
6	ND	25	3				26	18"			
7	ND	26	290								
8	ND	27	240								
9	1	28	31								
10	ND	29	9500								
11	ND	30	1300								
12	ND										
13	1										
14	ND										
15	7										
16	ND										
17	1										
18	3600										
19	4										

200 0 200

GRAPHIC SCALE IN FEET

SOURCE:
PHILLIPS & ASSOCIATES
SURVEYORS, P.C.
LIVERPOOL, NEW YORK
(FILE 2700.001)

ENSAFE
(800) 588-7962
MEMPHIS, TENNESSEE
ARKANSAS FLORIDA KENTUCKY MICHIGAN MISSISSIPPI
OHIO TENNESSEE TEXAS SOUTH CAROLINA
VIRGINIA SLOVAKIA

FIGURE 5
PCB COMPOSITE RESULTS
MAY 2007
CARRIER FACILITY THOMPSON ROAD
SYRACUSE, NEW YORK

DWG DATE: 19JUN07 | DWG NAME:803666R016

4.0 DATA EVALUATION

The groundwater monitoring results were reviewed by laboratory Quality Control/Quality Assurance personnel and were found to be valid with few qualifications. An EnSafe chemist reviewed the groundwater data and determined the data is usable with the appropriate qualification. A discussion of the groundwater data review is found in Appendix C.

Similarly, an EnSafe chemist also reviewed the manhole sediment results and determined the data is usable with the appropriate qualification. A discussion of the sediment data review is found in Appendix D.

5.0 FUTURE MONITORING ACTIVITIES

The next quarterly groundwater sampling event is scheduled for mid- to late-August 2007. The event is scheduled to be conducted as outlined in the approved Site-Wide Monitoring Plan submitted to NYSDEC on September 22, 2006.

Storm sewer manhole sediment removal will be conducted in May 2008 at the Thompson Road facility, as outlined in the approved Site-Wide Monitoring Plan.

Appendix A
Laboratory Analytical Results — Groundwater

See Enclosed CD for Analytical Results

Appendix B
Data Evaluation and Usability Report
for the Quarterly Groundwater Samples Collected May 2007

1.0 DATA EVALUATION

This report presents analytical data for the groundwater samples collected in May 2007 from the Carrier Corporation, Thompson Road Facility and the quality assurance/quality control (QA/QC) evaluation and usability of those data. Samples discussed in this report were collected between May 8 and May 10, 2007 and were submitted to Accutest Laboratories of Dayton, New Jersey (New York certification number 10983). Samples were reported by the laboratory in three sample delivery groups (SDGs): J60759, J60956, and J61109. Table 1-1 provides an analytical summary for samples discussed in this report.

Table 1-1
Analytical Summary — May 2007
Volatile Organic Compounds

SDG	Sample Identification	Laboratory Identification	Sample Date	Sample Type/QA Indicator
J60759	CARGMW0909	J60759-01	5/8/2007	Groundwater
J60759	CARGMW3S09	J60759-02	5/8/2007	Groundwater (MS/MSD performed)
J60759	CARGMW3D09	J60759-03	5/8/2007	Groundwater
J60759	CARGMW1909	J60759-04	5/8/2007	Groundwater
J60759	CARGMW0609	J60759-05	5/8/2007	Groundwater
J60759	CARGMW1009	J60759-06	5/8/2007	Groundwater
J60759	CARGMW0509	J60759-07	5/8/2007	Groundwater
J60759	CARGMW1209	J60759-08	5/8/2007	Groundwater
J60759	CARHMW1209	J60759-09	5/8/2007	Duplicate of CARGMW1209
J60759	CARGMW1709	J60759-10	5/8/2007	Groundwater
J60759	CARGMW1409	J60759-11	5/8/2007	Groundwater
J60759	TRIP BLANK	J60759-12	5/8/2007	Trip blank
J60956	CARGMW16D09	J60956-01	5/9/2007	Groundwater
J60956	CARHMW16D09	J60956-02	5/9/2007	Duplicate of CARGMW16D09
J60956	CARGMW15D09	J60956-03	5/9/2007	Groundwater
J60956	CARGMW14D09	J60956-04	5/9/2007	Groundwater (MS/MSD performed)
J60956	CARGMW13D11	J60956-05	5/9/2007	Groundwater
J60956	CARGMW13D12	J60956-06	5/9/2007	Groundwater
J60956	CARGMW13D13	J60956-07	5/9/2007	Groundwater
J60956	CARGMW13D14	J60956-08	5/9/2007	Groundwater
J60956	CARGMW13D15	J60956-09	5/9/2007	Groundwater
J60956	TRIP BLANK	J60956-10	5/9/2007	Trip blank
J61109	CARGMW1809	J61109-11	5/10/2007	Groundwater (MS/MSD performed)
J61109	CAREEQB109	J61109-12	5/10/2007	Equipment Blank
J61109	CAREEQB209	J61109-13	5/10/2007	Equipment Blank
J61109	TRIP BLANK	J61109-14	5/10/2007	Trip blank
J61109	FIELD BLANK	J61109-15	5/10/2007	Field Blank

Notes:
SDG = sample delivery group
MS/MSD = matrix spike/matrix spike duplicate

Analyses were conducted using Method 80260B in accordance with *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,* (SW-846) U.S. Environmental Protection Agency (USEPA) Office of Solid Waste and Emergency Response, Third Edition, December 1996. Samples were analyzed and reported as definitive data and QC forms and raw data were submitted for data review (NYSDEC Category B-equivalent package). The quality assurance criterion used to assess all data were established by the analytical methods and were consistent with the relevant guidance provided in *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, October 1999, EPA540/R-99/008. The elements of the data package provided by the laboratory are presented in Table 1-2.

Table 1-2
Data Package Elements

- Completed chain-of-custody documentation
- Analytical results
- Sample receipt and log-in information
- Laboratory case narrative
- **Organic QC summaries and raw data**:
  - % Organic surrogate recoveries
  - % Volatile tuning data
  - % Matrix spike/matrix spike duplicates
  - % Laboratory control samples
  - % Laboratory blanks
  - % Initial and calibration check data
  - % Internal standard areas and retention times
  - % Retention time summaries
  - % Sample and QC quantitation reports
  - % Sample and QC chromatograms
  - % Sample and QC spectra
  - % Raw calibration data
  - % Raw sample preparation bench sheets
  - % Analytical run log

When the QC parameters did not fall within the specific method and laboratory guidelines, the data evaluator annotated or "flagged" the corresponding analytes where anomalies were found. The following flags were used to annotate data outside QC criteria during data evaluation.

U	**Undetected** B The analyte was present in a sample, but at a concentration less than 10 times the blank concentration for common organic constituents (methylene chloride, acetone, and 2-butanone) or five times the blank concentration for other constituents; the associated value shown is the quantitation limit after evaluation of the blank.
J	**Estimated Value** B At least one QC parameter was outside control limits.
UJ	**Undetected and Estimated** B The parameter was analyzed but not detected above the listed quantitation limit; the quantitation limit is estimated because one or more QC parameters were outside control limits.
R/UR	**Unusable Data** B At least one QC parameter grossly exceeded control limits.

These "flags" were applied to data where anomalies are noted during evaluation. The laboratory's "U" qualifier, defined as the target analyte was not detected above the laboratory's reporting limit, remained on the data unless superseded by the evaluation qualifier (e.g., "UJ" or "UR").

2.0 VOLATILE ORGANIC ANALYSES

Volatile organic compounds (VOC) data evaluation for the Thompson Road Facility included the following parameters:

- Completeness*
- Sample receipt and holding times
- Gas chromatograph/mass spectrometry (GC/MS) tuning*
- Surrogate spike recoveries*
- Instrument calibration
- Matrix spike/matrix spike duplicate (MS/MSD) recoveries
- MS/MSD precision*
- Laboratory control spike (LCS) results*
- Laboratory method blanks*
- Field QC blanks (trip, field, and equipment rinsate)*
- GC/MS Internal standard (IS) performance*
- Field duplicate precision*

An asterisk (*) above indicates that QC results were within criteria for the VOCs. Data were reviewed for completeness during the data evaluation process. When data were found to be incomplete or errors were observed, the laboratory was requested to resubmit the appropriate data so review could be completed. The following sections describe specific outliers which were qualified during the evaluation process for organic analyses. Data that were not flagged, as indicated with an asterisk (*) above, will not be discussed further in the following sections.

2.1 Sample Receipt and Holding Times

Sample FIELD BLANK had a pH of 5, which was above the preservation requirement of pH less than 2. The field blank was analyzed within the 7-day analysis holding time for unpreserved VOC samples; therefore, no flags were applied during data review.

In SDG J60759, sample CARGMW0809 was misidentified on the chain-of-custody form. The field logbook indicates that this sample identification should have been CARGMW0909. Therefore, the sample identification has been changed on the analytical summary table presented in Attachment B-1.

2.2 Instrument Calibration

All initial calibration criteria were met for all three SDGs and all continuing calibration criteria were met for SDG J60759. In SDGs J60956 and J61109, all continuing calibration relative response factors were acceptable for all target analytes; however, a few compounds exhibited percent differences (%Ds) outside the QC criteria. Table 2-1 shows the continuing calibration outliers and qualification performed on associated samples.

Table 2-1
Continuing Calibration Outliers

SDG	Standard Identification	Analyte	%D	QC Limit	Qualification
J60956	CC1378-20 (5/21/07)	acetone 2-hexanone	-83.4 -36.4	<25	CARGMW13D11, CARGMW13D12, CARGMW13D13 flagged estimated, "J" and "UJ"
J61109	CC1378-20 (5/19/07)	chloroethane	-27.3	<25	CAREEQB109 flagged estimated "UJ"

Notes:
SDG = sample delivery group
%D = percent difference
QC = quality control
J = positive results estimated
UJ = undetected results estimated

2.3 MS/MSD Results

To assess the accuracy and precision of the analytical methods relative to the sample matrices, matrix spike/matrix spike duplicate (MS/MSD) percent recoveries (%Rs) and relative percent differences (RPDs) were determined. The laboratory reported multiple MS/MSDs in the data packages based on the analytical batches they created and some of the MS/MSDs were not from the Thompson Road site. No action was taken when samples from another site were used for MS/MSDs because the outliers may not be indicative of investigative samples collected during this investigation. However, 19 investigative water samples were analyzed in the May 2007 data set, three of which (CARGMW3S09, CARGMW14D09, and CARGMW1809), were used for the MS/MSD. Therefore, the MS/MSD frequency of per 20 site samples was met. All relative percent differences between the MS and MSD were acceptable. MS/MSD sample CARGMW14D09 showed acceptable precision and accuracy. MS/MSD recovery outliers for the Thompson Road samples and qualifiers applied are presented in Table 2-2. No qualifiers were applied when an outlying compound was found in the native sample at a concentration of greater than four times the spike level.

Table 2-2
Matrix Spike/Matrix Spike Duplicate Recovery Outliers

SDG	Analyte	Sample Result (µg/L)	Spike Added (µg/L)	MS Result (µg/L)	MS %R	MSD Result (µg/L)	MSD %R	QC Limits	Qualification
MS/MSD Sample Identification: CARGMW3S09									
J60759	2-butanone	ND	250	378	151*	372	149*	54-143	None – 2-butanone was undetected with high bias
	cis-1,2-dichloroethene	2130	250	2280	0*	2270	-4*	62-131	None – result > 4X spike
MS/MSD Sample Identification: CARGMW1809									
J61109	cis-1,2-dichloroethene	2090	250	2090	0*	2040	-20*	62-131	None – result > 4X spike
	vinyl chloride	776	250	876	40*	872	38*	44-151	vinyl chloride flagged "J"

Notes:
µg/L = micrograms per liter
MS = matrix spike
MSD = matrix spike duplicate
%R = percent recovery
* = parameter was outside laboratory control limits
> 4X = greater than four times
J = positive result estimated

3.0 Conclusions and Data Usability

Data for the May 2007 quarterly groundwater samples collected at the Thompson Road Facility were reviewed independently from the laboratory to assess data quality. When a QC parameter was outside the method and review criteria, the validator qualified the results to alert the data user. All of the results analyzed for the Thompson Road Facility were determined to be valid with a few minor qualifications. Eight analytes were qualified as estimated, but no positive results were rejected; therefore results are usable, with the appropriate qualification, as previously detailed. Results that were estimated during validation may be biased high or low but are acceptable for interpretation. Analytical results after data review can be found in Attachment B-1.

Attachment B-1
Analytical Results after Data Review

		CARTMP-SPR07-MW09-CARGMW0909		CARTMP-SPR07-MW3S-CARGMW3509		CARTMP-SPR07-MW3D-CARGMW3D09		CARTMP-SPR07-MW19-CARGMW1909		CARTMP-SPR07-MW06-CARGMW0609		CARTMP-SPR07-MW10-CARGMW1009		CARTMP-SPR07-MW05-CARGMW0509		CARTMP-SPR07-MW12-CARGMW1209		CARTMP-SPR07-DUP-CARHMW1209	
Client Sample ID:																			
Lab Sample ID:		J60759-1		J60759-2		J60759-3		J60759-4		J60759-5		J60759-6		J60759-7		J60759-8		J60759-9	
Date Sampled:		5/8/2007		5/8/2007		5/8/2007		5/8/2007		5/8/2007		5/8/2007		5/8/2007		5/8/2007		5/8/2007	
Acetone	µg/l	2.4	U	12	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U
Benzene	µg/l	0.21	U	1.1	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Bromodichloromethane	µg/l	0.17	U	0.87	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
Bromoform	µg/l	0.54	U	2.7	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	µg/l	0.22	U	1.1	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
2-Butanone (MEK)	µg/l	2.6	U	13	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U
Carbon disulfide	µg/l	0.21	U	1.0	U	0.21	U	0.21	U	0.21	U	0.21	U	0.66	J	0.29	J	0.29	J
Carbon tetrachloride	µg/l	0.29	U	1.5	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U
Chlorobenzene	µg/l	0.22	U	1.1	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Chloroethane	µg/l	0.56	U	2.8	U	0.56	U	0.56	U	0.56	U	0.56	U	0.56	U	0.56	U	0.56	U
Chloroform	µg/l	0.22	U	1.1	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Chloromethane	µg/l	0.35	U	1.7	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
Cyclohexane	µg/l	0.50	U	2.5	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	µg/l	1.1	U	5.5	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Dibromochloromethane	µg/l	0.19	U	0.94	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
1,2-Dibromoethane	µg/l	0.52	U	2.6	U	0.52	U	0.52	U	0.52	U	0.52	U	0.52	U	0.52	U	0.52	U
1,2-Dichlorobenzene	µg/l	0.20	U	1.0	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
1,3-Dichlorobenzene	µg/l	0.32	U	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,4-Dichlorobenzene	µg/l	0.24	U	1.2	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
Dichlorodifluoromethane	µg/l	0.75	U	3.8	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
1,1-Dichloroethane	µg/l	1.1		59.6		0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U
1,2-Dichloroethane	µg/l	0.29	U	1.5	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U
1,1-Dichloroethene	µg/l	0.33	U	15.0		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
cis-1,2-Dichloroethene	µg/l	1.3		2130		5.5		0.18	U	0.18	U	0.18	U	0.24	J	0.50	J	0.50	J
trans-1,2-Dichloroethene	µg/l	0.42	U	9.0		0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.99	J	0.84	J
1,2-Dichloropropane	µg/l	0.20	U	1.0	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
cis-1,3-Dichloropropene	µg/l	0.15	U	0.74	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U
trans-1,3-Dichloropropene	µg/l	0.20	U	1.0	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Ethylbenzene	µg/l	0.20	U	1.0	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Freon 113	µg/l	0.69	U	3.4	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U
2-Hexanone	µg/l	1.3	U	6.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Isopropylbenzene	µg/l	0.20	U	1.0	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Methyl Acetate	µg/l	2.1	U	10	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U
Methylcyclohexane	µg/l	0.18	U	0.91	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Methyl Tert Butyl Ether	µg/l	0.31	U	1.5	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
4-Methyl-2-pentanone(MIBK)	µg/l	1.1	U	5.3	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Methylene chloride	µg/l	0.27	U	1.3	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U
Styrene	µg/l	0.16	U	0.79	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
1,1,2,2-Tetrachloroethane	µg/l	0.28	U	1.4	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
Tetrachloroethene	µg/l	0.32	J	1.4	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
Toluene	µg/l	0.20	U	1.0	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
1,2,4-Trichlorobenzene	µg/l	0.16	U	0.80	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
1,1,1-Trichloroethane	µg/l	2.8		1.4	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,1,2-Trichloroethane	µg/l	0.32	U	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Trichloroethene	µg/l	4.6		2.4	J	0.29	U	1.2		0.29	U	0.29	U	0.29	U	0.50	J	0.43	J
Trichlorofluoromethane	µg/l	0.25	U	1.3	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Vinyl chloride	µg/l	0.29	U	221		0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U
m,p-Xylene	µg/l	0.42	U	2.1	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
o-Xylene	µg/l	0.31	U	1.5	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Xylene (total)	µg/l	0.31	U	1.5	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U

Client Sample ID:		CARTMP-SPR07-MW17-CARGMW1709		CARTMP-SPR07-MW14-CARGMW1409		TRIP BLANK		CARTMP-SPR07-MW16D-CARGMW16D09		CARTMP-SPR07-DUP-CARHMW16D09		CARTMP-SPR07-MW15D-CARGMW15D09		CARTMP-SPR07-MW14D-CARGMW14D09		CARTMP-SPR07-MW13D11-CARGMW13D11		CARTMP-SPR07-MW13D12-CARGMW13D12	
Lab Sample ID:		J60759-10		J60759-11		J60759-12		J60956-1		J60956-2		J60956-3		J60956-4		J60956-5		J60956-6	
Date Sampled:		5/8/2007		5/8/2007		5/8/2007		5/9/2007		5/9/2007		5/9/2007		5/9/2007		5/9/2007		5/9/2007	
Acetone	µg/l	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	3.9	J	2.4	UJ
Benzene	µg/l	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Bromodichloromethane	µg/l	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
Bromoform	µg/l	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	µg/l	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
2-Butanone (MEK)	µg/l	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U
Carbon disulfide	µg/l	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Carbon tetrachloride	µg/l	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U
Chlorobenzene	µg/l	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Chloroethane	µg/l	0.56	U	0.56	U	0.56	U	0.56	U	0.56	U	0.56	U	0.56	U	0.56	U	0.56	U
Chloroform	µg/l	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Chloromethane	µg/l	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
Cyclohexane	µg/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	µg/l	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Dibromochloromethane	µg/l	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
1,2-Dibromoethane	µg/l	0.52	U	0.52	U	0.52	U	0.52	U	0.52	U	0.52	U	0.52	U	0.52	U	0.52	U
1,2-Dichlorobenzene	µg/l	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
1,3-Dichlorobenzene	µg/l	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,4-Dichlorobenzene	µg/l	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
Dichlorodifluoromethane	µg/l	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
1,1-Dichloroethane	µg/l	0.23	U	0.27	J	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	10.7		7.5	
1,2-Dichloroethane	µg/l	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U
1,1-Dichloroethene	µg/l	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	3.1		2.1	
cis-1,2-Dichloroethene	µg/l	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	342		227	
trans-1,2-Dichloroethene	µg/l	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	1.0		1.3	
1,2-Dichloropropane	µg/l	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
cis-1,3-Dichloropropene	µg/l	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U
trans-1,3-Dichloropropene	µg/l	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Ethylbenzene	µg/l	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Freon 113	µg/l	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U
2-Hexanone	µg/l	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	UJ	1.3	UJ
Isopropylbenzene	µg/l	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Methyl Acetate	µg/l	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U
Methylcyclohexane	µg/l	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Methyl Tert Butyl Ether	µg/l	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
4-Methyl-2-pentanone(MIBK)	µg/l	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Methylene chloride	µg/l	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U
Styrene	µg/l	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
1,1,2,2-Tetrachloroethane	µg/l	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
Tetrachloroethene	µg/l	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
Toluene	µg/l	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
1,2,4-Trichlorobenzene	µg/l	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
1,1,1-Trichloroethane	µg/l	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,1,2-Trichloroethane	µg/l	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Trichloroethene	µg/l	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.43	J	0.29	U
Trichlorofluoromethane	µg/l	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Vinyl chloride	µg/l	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	105		73.6	
m,p-Xylene	µg/l	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
o-Xylene	µg/l	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Xylene (total)	µg/l	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U

Client Sample ID:		CARTMP-SPR07-MW13D13-CARGMW13D13		CARTMP-SPR07-MW13D14-CARGMW13D14		CARTMP-SPR07-MW13D15-CARGMW13D15		TRIP BLANK		CARTMP-SPR07- MW18-CARGMW1809		CARTMP-SPR07- EQB1-CAREEQB109		CARTMP-SPR07- EQB2-CAREEQB209		TRIP BLANK		FIELD BLANK	
Lab Sample ID:		J60956-7		J60956-8		J60956-9		J60956-10		J61109-11		J61109-12		J61109-13		J61109-14		J61109-15	
Date Sampled:		5/9/2007		5/9/2007		5/9/2007		5/9/2007		5/10/2007		5/10/2007		5/10/2007		5/10/2007		5/10/2007	
Acetone	µg/l	2.4	UJ	4.6	J	2.4	U	2.4	U	12	U	2.4	U	2.4	U	2.4	U	2.4	U
Benzene	µg/l	0.21	U	0.21	U	0.21	U	0.21	U	1.1	U	0.21	U	0.21	U	0.21	U	0.21	U
Bromodichloromethane	µg/l	0.17	U	0.17	U	0.17	U	0.17	U	0.87	U	0.17	U	0.17	U	0.17	U	0.17	U
Bromoform	µg/l	0.54	U	0.54	U	0.54	U	0.54	U	2.7	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	µg/l	0.22	U	0.22	U	0.22	U	0.22	U	1.1	U	0.22	U	0.22	U	0.22	U	0.22	U
2-Butanone (MEK)	µg/l	2.6	U	2.6	U	2.6	U	2.6	U	13	U	2.6	U	2.6	U	2.6	U	2.6	U
Carbon disulfide	µg/l	0.21	U	0.21	U	0.21	U	0.21	U	1.0	U	0.21	U	0.21	U	0.21	U	0.21	U
Carbon tetrachloride	µg/l	0.29	U	0.29	U	0.29	U	0.29	U	1.5	U	0.29	U	0.29	U	0.29	U	0.29	U
Chlorobenzene	µg/l	0.22	U	0.22	U	0.22	U	0.22	U	1.1	U	0.22	U	0.22	U	0.22	U	0.22	U
Chloroethane	µg/l	0.56	U	0.56	U	0.56	U	0.56	U	2.8	U	0.56	UJ	0.56	U	0.56	U	0.56	U
Chloroform	µg/l	0.22	U	0.22	U	0.22	U	0.22	U	1.1	U	0.22	U	0.22	U	0.22	U	0.22	U
Chloromethane	µg/l	0.35	U	0.35	U	0.35	U	0.35	U	1.7	U	0.35	U	0.35	U	0.35	U	0.35	U
Cyclohexane	µg/l	0.50	U	0.50	U	0.50	U	0.50	U	2.5	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	µg/l	1.1	U	1.1	U	1.1	U	1.1	U	5.5	U	1.1	U	1.1	U	1.1	U	1.1	U
Dibromochloromethane	µg/l	0.19	U	0.19	U	0.19	U	0.19	U	0.94	U	0.19	U	0.19	U	0.19	U	0.19	U
1,2-Dibromoethane	µg/l	0.52	U	0.52	U	0.52	U	0.52	U	2.6	U	0.52	U	0.52	U	0.52	U	0.52	U
1,2-Dichlorobenzene	µg/l	0.20	U	0.20	U	0.20	U	0.20	U	1.0	U	0.20	U	0.20	U	0.20	U	0.20	U
1,3-Dichlorobenzene	µg/l	0.32	U	0.32	U	0.32	U	0.32	U	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U
1,4-Dichlorobenzene	µg/l	0.24	U	0.24	U	0.24	U	0.24	U	1.2	U	0.24	U	0.24	U	0.24	U	0.24	U
Dichlorodifluoromethane	µg/l	0.75	U	0.75	U	0.75	U	0.75	U	3.8	U	0.75	U	0.75	U	0.75	U	0.75	U
1,1-Dichloroethane	µg/l	7.0		5.6		3.1		0.23	U	3.6	J	0.23	U	0.23	U	0.23	U	0.23	U
1,2-Dichloroethane	µg/l	0.29	U	0.29	U	0.29	U	0.29	U	1.5	U	0.29	U	0.29	U	0.29	U	0.29	U
1,1-Dichloroethene	µg/l	2.0		1.5		0.96	J	0.33	U	7.0		0.33	U	0.33	U	0.33	U	0.33	U
cis-1,2-Dichloroethene	µg/l	210		185		107		0.18	U	1790		0.18	U	0.18	U	0.18	U	0.18	U
trans-1,2-Dichloroethene	µg/l	0.82	J	0.56	J	0.42	U	0.42	U	7.4		0.42	U	0.42	U	0.42	U	0.42	U
1,2-Dichloropropane	µg/l	0.20	U	0.20	U	0.20	U	0.20	U	1.0	U	0.20	U	0.20	U	0.20	U	0.20	U
cis-1,3-Dichloropropene	µg/l	0.15	U	0.15	U	0.15	U	0.15	U	0.74	U	0.15	U	0.15	U	0.15	U	0.15	U
trans-1,3-Dichloropropene	µg/l	0.20	U	0.20	U	0.20	U	0.20	U	1.0	U	0.20	U	0.20	U	0.20	U	0.20	U
Ethylbenzene	µg/l	0.20	U	0.20	U	0.20	U	0.20	U	1.0	U	0.20	U	0.20	U	0.20	U	0.20	U
Freon 113	µg/l	0.69	U	0.69	U	0.69	U	0.69	U	3.4	U	0.69	U	0.69	U	0.69	U	0.69	U
2-Hexanone	µg/l	1.3	UJ	1.3	U	1.3	U	1.3	U	6.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Isopropylbenzene	µg/l	0.20	U	0.20	U	0.20	U	0.20	U	1.0	U	0.20	U	0.20	U	0.20	U	0.20	U
Methyl Acetate	µg/l	2.1	U	2.1	U	2.1	U	2.1	U	10	U	2.1	U	2.1	U	2.1	U	2.1	U
Methylcyclohexane	µg/l	0.18	U	0.18	U	0.18	U	0.18	U	0.91	U	0.18	U	0.18	U	0.18	U	0.18	U
Methyl Tert Butyl Ether	µg/l	0.31	U	0.31	U	0.31	U	0.31	U	1.5	U	0.31	U	0.31	U	0.31	U	0.31	U
4-Methyl-2-pentanone(MIBK)	µg/l	1.1	U	1.1	U	1.1	U	1.1	U	5.3	U	1.1	U	1.1	U	1.1	U	1.1	U
Methylene chloride	µg/l	0.27	U	0.27	U	0.27	U	0.27	U	1.3	U	0.27	U	0.27	U	0.27	U	0.27	U
Styrene	µg/l	0.16	U	0.16	U	0.16	U	0.16	U	0.79	U	0.16	U	0.16	U	0.16	U	0.16	U
1,1,2,2-Tetrachloroethane	µg/l	0.28	U	0.28	U	0.28	U	0.28	U	1.4	U	0.28	U	0.28	U	0.28	U	0.28	U
Tetrachloroethene	µg/l	0.28	U	0.28	U	0.28	U	0.28	U	1.4	U	0.28	U	0.28	U	0.28	U	0.28	U
Toluene	µg/l	0.20	U	0.20	U	0.20	U	0.20	U	1.0	U	0.20	U	0.20	U	0.20	U	0.20	U
1,2,4-Trichlorobenzene	µg/l	0.16	U	0.16	U	0.16	U	0.16	U	0.80	U	0.16	U	0.16	U	0.16	U	0.16	U
1,1,1-Trichloroethane	µg/l	0.28	U	0.28	U	0.28	U	0.28	U	1.4	U	0.28	U	0.28	U	0.28	U	0.28	U
1,1,2-Trichloroethane	µg/l	0.32	U	0.32	U	0.32	U	0.32	U	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U
Trichloroethene	µg/l	0.29	U	0.29	U	0.29	U	0.29	U	57.1		0.29	U	0.29	U	0.29	U	0.29	U
Trichlorofluoromethane	µg/l	0.25	U	0.25	U	0.25	U	0.25	U	1.3	U	0.25	U	0.25	U	0.25	U	0.25	U
Vinyl chloride	µg/l	72.9		57.5		36.2		0.29	U	776	J	0.29	U	0.29	U	0.29	U	0.29	U
m,p-Xylene	µg/l	0.42	U	0.42	U	0.42	U	0.42	U	2.1	U	0.42	U	0.42	U	0.42	U	0.42	U
o-Xylene	µg/l	0.31	U	0.31	U	0.31	U	0.31	U	1.5	U	0.31	U	0.31	U	0.31	U	0.31	U
Xylene (total)	µg/l	0.31	U	0.31	U	0.31	U	0.31	U	1.5	U	0.31	U	0.31	U	0.31	U	0.31	U

Notes:
µg/L = micrograms per liter
U = The parameter was analyzed but not detected above the listed quantitation limit.
J = The reported value was above the method detection limit but below the reporting limit or a QC parameter was outside control limits.
UJ = The parameter was analyzed but not detected above the listed quantitation limit; the quantitation limit is estimated because one or more QC parameters were outside control limits.
Qualifiers added during data review are bolded.

Appendix C
Laboratory Analytical Results — Sediment

See Enclosed CD for Analytical Results

Appendix D
Data Evaluation and Usability Report
for Manhole Sediment Samples

1.0 DATA EVALUATION

This report presents analytical data for the storm line sediment samples collected in May 2007 from the Carrier Corporation, Thompson Road Facility and the quality assurance/quality control (QA/QC) evaluation and usability of those data. Samples discussed in this report were collected between May 10 and May 15, 2007 and were submitted to Accutest Laboratories of Dayton, New Jersey (New York certification number 10983). Samples were reported by the laboratory in one sample delivery group (SDG): J61355. Table 1-1 provides an analytical summary for samples discussed in this report.

Table 1-1
Analytical Summary – May 2007
Polychlorinated Biphenyl Compounds

Sample Delivery Group	Sample Identification	Laboratory Identification	Sample Date	Sample Type/QA Indicator
J61355	CTRSESEC01	J61355-01	5/10/2007	Sediment
J61355	CTRSESEC03	J61355-02	5/10/2007	Sediment
J61355	CTRSESEC04	J61355-03	5/11/2007	Sediment
J61355	CTRSESEC05	J61355-05	5/12/2007	Sediment
J61355	CTRSESEC06	J61355-06	5/12/2007	Sediment
J61355	CTREQ051207	J61355-07	5/12/2007	Equipment Blank
J61355	CTRSESEC02	J61355-08	5/15/2007	Sediment

Analyses were conducted using Method 8082 in accordance with *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,* (SW-846) U.S. Environmental Protection Agency (USEPA) Office of Solid Waste and Emergency Response, Third Edition, December 1996. Samples were analyzed and reported as definitive data and QC forms and raw data were submitted for data review (NYSDEC Category B-equivalent package). The quality assurance criterion used to assess all data were established by the analytical methods and was consistent with the relevant guidance provided in *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, October 1999, EPA540/R-99/008. The elements of the data package provided by the laboratory are presented in Table 1-2.

Table 1-2
Data Package Elements

- Completed chain-of-custody documentation
- Analytical results
- Sample receipt and log-in information
- Laboratory case narrative
- **Organic QC summaries and raw data**:
  - % Organic surrogate recoveries
  - % Volatile tuning data
  - % Matrix spike/matrix spike duplicates
  - % Laboratory control samples
  - % Laboratory blanks
  - % Initial and calibration check data
  - % Internal standard areas and retention times
  - % Retention time summaries
  - % Sample and QC quantitation reports
  - % Sample and QC chromatograms
  - % Sample and QC spectra
  - % Raw calibration data
  - % Raw sample preparation bench sheets
  - % Analytical run log

When the QC parameters did not fall within the specific method and laboratory guidelines, the data evaluator annotated or "flagged" the corresponding analytes where anomalies were found. The following flags were used to annotate data outside QC criteria during data evaluation.

U	**Undetected** B The analyte was present in a sample, but at a concentration less than 10 times the blank concentration for common organic constituents (methylene chloride, acetone, and 2-butanone) or five times the blank concentration for other constituents; the associated value shown is the quantitation limit after evaluation of the blank.
J	**Estimated Value** B At least one QC parameter was outside control limits.
UJ	**Undetected and Estimated** B The parameter was analyzed but not detected above the listed quantitation limit; the quantitation limit is estimated because one or more QC parameters were outside control limits.
R/UR	**Unusable Data** B At least one QC parameter grossly exceeded control limits.

These "flags" were applied to data where anomalies are noted during evaluation. The laboratory's "U" qualifier, defined as the target analyte was not detected above the laboratory's reporting limit, remained on the data unless superseded by the evaluation qualifier (e.g., "UJ" or "UR").

2.0 POLYCHLORINATED BIPHENYL COMPOUNDS

Polychlorinated Biphenyl (PCB) data evaluation for the Thompson Road Facility included the following parameters:

- Completeness*
- Sample receipt and holding times*
- Gas chromatograph/mass spectrometry (GC/MS) tuning*
- Surrogate spike recoveries
- Instrument calibration*
- Laboratory control spike (LCS) results*
- Laboratory method blanks*
- Field QC blanks (trip, field, and equipment rinsate)*
- GC/MS Internal standard (IS) performance*

An asterisk (*) above indicates that QC results were within criteria for the PCBs. Data were reviewed for completeness during the data evaluation process. When data were found to be incomplete or errors were observed, the laboratory was requested to re-submit the appropriate data so review could be completed. Although the laboratory report contained matrix spike/matrix spike duplicate data, a site investigative sample was not used; therefore, no qualifiers were applied when outliers were observed because they may not be indicative of investigative samples collected during this investigation. The following sections describe specific outliers which were qualified during the evaluation process for organic analyses. Data which were not flagged, as indicated with an asterisk (*) above, will not be discussed further in the following sections.

2.1 PCB Surrogate Results

Surrogates provide information needed to assess the accuracy of analyses. To check the accuracy in an analysis, USEPA methods require the addition of known amounts of surrogate compounds or compounds which are not likely to be found in the actual samples. If surrogate percent recoveries (%Rs) are close to the known concentrations as defined within the limits set by the laboratory, the reported target compound concentrations are assumed to be accurate.

Surrogate tetrachloro-m-xylene had percent recoveries for samples CTRSESEC05 (457%) and CTRSESEC06 (152%) which were above the 37-140% QC limit. No qualifiers were applied during data review because the high percent recoveries indicate a high result bias and PCBs were undetected in the samples.

3.0 Conclusions and Data Usability

Data for the May 2007 manhole samples collected at the Thompson Road Facility were reviewed independently from the laboratory to assess data quality. All of the results analyzed for the Thompson Road Facility were determined to be valid and no qualification was performed during data review. Analytical results after data review can be found in Attachment B-1.

Attachment B-1
Analytical Results after Data Review

Carrier Corporation, Thompson Road Facility
May 2007 Manhole Results after Data Review

Client Sample ID:		CTREQ051207	
Lab Sample ID:		J61355-7	
Date Sampled:		5/12/2007	
Aroclor 1016	µg/L	0.31	U
Aroclor 1221	µg/L	1.6	U
Aroclor 1232	µg/L	1.3	U
Aroclor 1242	µg/L	0.55	U
Aroclor 1248	µg/L	0.51	U
Aroclor 1254	µg/L	0.36	U
Aroclor 1260	µg/L	0.39	U

Client Sample ID:		CTRSESEC01		CTRSESEC02		CTRSESEC03		CTRSESEC04		CTRSESEC05		CTRSESEC06	
Lab Sample ID:		J61355-1		J61355-8		J61355-2		J61355-3		J61355-5		J61355-6	
Date Sampled:		5/10/2007		5/15/2007		5/10/2007		5/11/2007		5/12/2007		5/12/2007	
Aroclor 1016	µg/kg	8.1	U	8.3	U	7.7	U	7.7	U	28	U	29	U
Aroclor 1221	µg/kg	26	U	26	U	24	U	24	U	88	U	93	U
Aroclor 1232	µg/kg	23	U	24	U	22	U	22	U	80	U	84	U
Aroclor 1242	µg/kg	13	U	14	U	13	U	13	U	47	U	49	U
Aroclor 1248	µg/kg	15	U	15	U	14	U	14	U	51	U	53	U
Aroclor 1254	µg/kg	20	U	21	U	19	U	19	U	70	U	73	U
Aroclor 1260	µg/kg	589		134		749		405		30	U	31	U
Solids, Percent	%	78.0		76.2		82.0		81.4		61.9		60.1	

Notes:
µg/L = micrograms per liter
µg/kg = micrograms per kilogram
% = percent
U = The parameter was analyzed but not detected above the listed quantitation limit.