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August 9, 2001

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Mr. Maurice Moore
Division of Hazardous Waste Remediation
NYSDEC
270 Michigan Ave.
Buffalo, NY 14203-2999

**Subject: 2nd Quarter 2001 Performance Monitoring Report
Essex/Hope Site — Jamestown, New York
Radian Project No. 801419**

Dear Mr. Moore:

This letter report is a summary of the 2nd Quarter 2001 performance for the remedial system at the above-referenced site in accordance with the June 1997 Performance Monitoring Plan (PMP) prepared by Radian International LLC. During this quarter approximately 314,619 gallons of water was treated and discharged to the city of Jamestown POTW from the site. The following sections discuss the data on groundwater quality sampling and groundwater flow. No soil sampling related to the system performance monitoring was conducted during this reporting period.

GROUNDWATER FLOW EVALUATION

Water level measurements were taken on April 24, 2001, May 30, 2001 and June 28, 2001 and are provided in Appendix A of this report. Groundwater contour maps representative of pumping conditions during the reporting period are provided as Figures 1 through 4. The following discussions review the 2nd Quarter 2001 flow conditions of the shallow (water table) and Lower Fine Sand (deep) water-bearing zones.

Shallow recovery wells (RW-1S, -2S, -3S, -4S and RW-5S) were re-developed by hydraulic jetting in May 2001. Recovery Well RW-2D screened within the deep zone was similarly re-developed in June 2001.

Shallow Water-Bearing Zone

Water table contour maps representing pumping conditions in the upper water-bearing zone on April 24, 2001 and June 28, 2001 are provided as Figures 1 and 3 respectively. The general configuration of the water table surface and groundwater extraction influence is similar for both monitoring episodes as compared to the previous conditions during the 1st Quarter of 2001.

Lower Fine Sand Water-Bearing Zone

Deep zone groundwater extraction is conducted from Recovery Well RW-2D in the NPL Area. No groundwater is pumped from RW-1D, which was shut down in June of 1999 with the approval of the NYSDEC. Potentiometric surface contour maps representing pumping conditions on April 24, 2001 and June 28, 2001 is provided as Figures 2 and 4 respectively. Over the 2nd Quarter of 2001, groundwater yield from RW-2D in the deep zone has decreased resulting in lower extraction rates from approximately 2.4 to 2.8 gpm during the 1st Quarter to 1.4 to 1.6 gpm during the 2nd Quarter. This reduction in the extraction rate has resulted in a decrease of the cone of depression by approximately 1-foot in elevation as compared to the 1st Quarter data.

Based upon the observation of precipitates forming in recovery well RW-2D since the installation of the zero-valent iron pilot permeable reactive wall (PRW), the pump has been periodically cleared of fouling and the well was re-developed in June 2001 with no resultant affect on the yield from the well. Further evaluation of the hydraulic conditions through a recovery test conducted in June 2001 indicates that a reduction in the permeability of the formation surrounding RW-2D evidently occurred. Visual characterization and laboratory analysis of the fouling collected from the submersible pump confirm that the precipitate within the well is predominantly comprised of iron, and is likely ferric and/or ferrous oxide. Corrective action of this condition is currently being evaluated.

WATER QUALITY RESULTS

Second Quarter 2001 performance monitoring included quarterly sampling of all recovery wells and monthly influent and effluent sampling of the site pre-treatment system. The recovery well samples were collected on July 02, 2001, while the monthly influent/effluent samples were collected on January 31, 2001, February 26, 2001 and March 26, 2001. All samples were analyzed for volatile organic compounds (VOC's) by US EPA Method 8260B. Antech Ltd. of Export, Pennsylvania provided analytical services for all performance monitoring samples collected this quarter. The recovery well analytical results for the 1st Quarter 2001 are summarized in Table 1. Individual historical recovery well analytical results are summarized in Tables 2 through 8. Table 9 summarizes the monthly influent and effluent sample results. Note that cis-1,2-Dichloroethene was added to the VOC list for the first time during the first quarter. Copies of the laboratory data packages for the quarterly samples and the monthly treatment plant influent and effluent samples are found in Appendix B. The following sections discuss the analytical data for each remedial area.

NPL Area – Shallow Zone

Constituents detected in RW-1S during the July sampling round included: TCE (1500 ug/L), vinyl chloride (150 ug/L), cis-1,2-DCE (530 ug/L) - all other VOC's were non-detect. Since the installation of the pilot PRW in July 2000, TCE and vinyl chloride concentrations have fluctuated at this location. Although the cis-1,2-DCE increased by an order of magnitude

during this sampling round, an evaluation of the concentration trend is not warranted as this compound was not previously analyzed prior to the March 2001 event.

Constituents detected at RW-2S included TCE (2200 ug/L), vinyl chloride (38 ug/L), and cis-1,2-DCE (400 ug/L). No other VOC's were detected at this location during this sampling round. At this point, these concentrations appear to have stabilized, as they are relatively comparable to the 1st Quarter 2001 data. It should also be noted that although the trans-1,2-DCE result is non-detect at <5 ug/L, it is very comparable to the first quarter data reported at 6.7 ug/L. As previously stated, there is only limited cis-1,2-DCE data at this time, making a trend analysis impractical.

NPL Area – Lower Fine Sand Water Bearing Zone

Constituents detected at RW-1D during this sampling round were vinyl chloride (110 ug/L), 1,1-DCE (12 ug/L), cis-1,2-DCE (1700 ug/L), trans-1,2-DCE (12 ug/L), TCE (14 ug/L), and benzene (6.0 ug/L); all other VOC's were non-detect. As shown in Table 7, the VOC's reported for this period were comparable to the first quarter data with the exception of the increase in the vinyl chloride concentration from non-detect at 2 ug/L to 110 ug/L.

At RW-2D, the July 2001 sampling episode detected the following compounds: TCE (270 ug/L), vinyl chloride (610 ug/L), 1,1-DCE (16 ug/L), cis-1,2-DCE (4200 ug/L), trans-1,2-DCE (27 ug/L) and benzene (7.2 ug/L). No other VOC's were detected during this sampling round. A review of the data indicates that all VOC's were comparable to the first quarter data with the exception of the order of magnitude decrease in the TCE concentration from 1100 ug/L to 270 ug/L. This decrease in the TCE concentration places it at the lowest level since the start of the treatment system in 1997.

AST/UST Area

Four VOC constituents were detected in RW-3S in July 2001: isopropylbenzene (38 ug/L), benzene (35 ug/L), ethylbenzene (190 ug/L) and total xylenes (279 ug/L). Although each of these concentrations have increased relative to the last sampling round, data evaluation over the past year and a half indicate that these concentrations have remained relatively stable. All other VOC results were non-detect this quarter. Data for RW-3S is presented in Table 4.

UST Area

VOC's detected at RW-4S (Table 5) included acetone (18 ug/L), 2-butanone (6.5 ug/L), 4-methyl-2-pentanone (14 ug/L), isopropylbenzene (140 ug/L), benzene (26 ug/L), toluene (4500 ug/L), ethylbenzene (9000 ug/L), and total xylenes (65,000 ug/L); all other VOC's were non-detect. Continuing with this sampling round, recent quarterly data (over the past year) show a gradual decreasing trend in VOC constituent concentrations at this location. There were, however, two compounds (2-butanone and benzene) which exhibited slight increases over the past quarter – from non-detect at <5 ug/L to 6.5 ug/L and from 20 ug/L to 26 ug/L, respectively. Note that there is no previous data with which to compare the 4-methyl-2-pentanone result reported this quarter.

Only three VOC constituents were detected in RW-5S during the July 2001 sampling event – toluene (12 ug/L), ethylbenzene (20 ug/L) and total xylenes (231 ug/L) – all other VOC's were non-detect. A review of the historical data over the past two years (with the exception of the November 2000 data), indicates that the values posted for this quarter are relatively consistent with previous data as shown on Table 6; the VOC concentrations in this recovery well continue to remain stable. Note, as reported in the 2000 Annual Report, the November 2000 data for this well is anomalous as compared to the historical data. The analytical data collected after November 2000 shows levels consistent with the historical data. Therefore the November 2000 analytical data is considered non-representative of conditions in this area.

Treatment Plant Influent/Effluent

The waste stream influent and effluent concentrations for the 2nd Quarter of 2001 are shown on Table 9. Influent data (Pre-Carb) reflect a composite from all the groundwater extraction wells prior to pre-treatment. Effluent data (Post-Carb) represents pre-treated water prior to discharge to the City of Jamestown Publicly Owned Treatment Works (POTW). System influent data as related to extracted groundwater conditions for the quarter are discussed below.

During this quarter there were pre-treatment discharges to the POTW that exceeded site's discharge permit limitations with respect to VOC concentrations. This data is documented in the May 22, 2001 and June 18, 2001 correspondence from URS to the Jamestown BPU previously submitted to the NYSDEC. In order to prevent this situation in the future, URS amended the monthly pre-treatment system sampling protocol to include additional monthly sampling from the effluent of the primary carbon treatment unit to provide an early indication of breakthrough conditions.

Constituents detected in the influent during the 2nd Quarter included: vinyl chloride, acetone, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, TCE, isopropylbenzene, benzene, toluene, ethylbenzene and xylenes. TCE continued to show a decreasing trend from the 1st Quarter through the 2nd Quarter, from 2,800 ug/L in January 2001 down to 250 ug/L in May 2001 and 850 ug/L in June 2001. Vinyl chloride and cis-1,2-DCE remain at relatively similar concentrations as compared to the 1st Quarter data, with vinyl chloride ranging from 350 ug/L to 490 ug/L and cis-1,2-DCE ranging between 2,400 ug/L and 3,800 ug/L. Benzene and toluene concentrations remain similar to previous data with benzene between 3.8 ug/L and 5.5 ug/L and toluene between 150 ug/L and 350 ug/L. Both ethylbenzene and xylenes showed general increases during the 2nd Quarter as compared to the 1st Quarter with the highest concentrations occurring in April. Ethylbenzene ranged from 560 ug/L to 330 ug/L and xylenes were detected between 2,640 ug/L and 4,400 ug/L. Acetone was detected in May and June 2001 at concentrations of 6.1 ug/L and 6.6 ug/L respectively.



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This letter report has been prepared to satisfy the reporting requirements stipulated in the Performance Monitoring Plan and to evaluate remediation effectiveness on a quarterly basis. If you have any questions or desire additional information, please do not hesitate to call me at (412) 788-2717 Extension 1269.

Sincerely yours,

Keith A. Dodrill
Project Manager

cc: Ben Baker
John Ross
Dr. Anders G. Carlson – NY State Dept. of Health
Cameron O'Connor – NY State Dept. of Health
Andrew English – Chief, Bur. of Western Remedial Action
Glen R. Bailey – Dept. of Environmental Enforcement
Randall Peterson – Jamestown Board of Public Utilities
Carlo J. Montisano – Custom Production MFG., Inc



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TABLES



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FIGURES



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APPENDIX A
WATER LEVEL MEASUREMENT DATA



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APPENDIX B

LABORATORY CERTIFICATES OF ANALYSIS

TABLES

TABLES

Table 2
RW-1S
Quarterly Sample Results

Volatile Compounds (Method 8260A)	Site GW RAOs (ug/L)	Aug-95 (ug/L)**	Jul-97 (ug/L)*	Oct-97 (ug/L)	Dec-97 (ug/L)	Mar-98 (ug/L)*	Jun-98 (ug/L)*	Sept-98 (ug/L)*	Nov-98 (ug/L)*	Feb-99 (ug/L)	May-99 (ug/L)	Aug-99 (ug/L)	Nov-99 (ug/L)	Feb-00 (ug/L)	Apr-00 (ug/L)	Aug-00 (ug/L)	Nov-00 (ug/L)	Mar-01 (ug/L)	Jul-02-01 (ug/L)
Vinyl Chloride	5	240	< 25	< 5	32	110	<5	11 J	20	6	3	1	<1	<5	<1	470 D	320 D	28	150
Methylene Chloride	-	<17	<35 ^b	11	<5	<100	18	10 J	<5	<1	1 ^b	2	2 ^b	<5	4 ^b	8	6.01 ^b	<5	<5
Acetone	-	10	< 58 ^a	< 10	< 10	<200	<25	<50	<10	<5	<5	9	<5	<10	<5	15 ^b	<5	<5	<5
1,1-Dichloroethene	-																2.5	<5	<5
cis-1,2-Dichloroethene	-																44	530	
trans-1,2-Dichloroethene	5	1700	160	< 5	< 5	<100	<5	<25	9	2	2	<1	<1	<5	<1	77	7.2	<5	<5
Chloroform	-		< 25	< 5	< 5	<100	<5	<25	<5	<1	<1	<1	<1	<5	<1	<1	<1	<5	<5
2-Butanone	-		120	< 10	< 10	<200	<5	<50	<10	<5	<5	<5	<5	<10	<5	9	<5	<5	<5
Trichloroethene	5	3500	460	< 5	1900 D	12000	910	570	1300	180 D	580	41	37	41	24	150	120	100	1500
Isopropylbenzene	-			< 5	< 5	<100	<5	<25	<5	<1	<1	<1	<1	<5	<1	14	6.1	<5	<5
Benzene	-		< 25	< 5	< 5	<100	<5	<25	<5	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1
Toluene	5		< 25	< 5	< 5	<100	<5	<25	<5	<1	<1	<1	<1	<5	<1	4	1.34	<5	<5
Ethylbenzene	5		< 25	< 5	< 5	<100	<5	<25	<5	<1	<1	<1	<1	<5	<1	9	2.52	<5	<5
Total Xylenes	5	4	< 25	< 5	< 5	<100	<5	<25	<5	<1	<1	2	5	<5	<3	78	22	<5	<5

Polychlorinated Biphenyls (PCBs) (Method 8080)	Site GW RAOs (ug/L)	Aug-95 (ug/L)**	Jul-97 (ug/L)*	Oct-97 (ug/L)	Dec-97 (ug/L)	Mar-98 (ug/L)*	Jun-98 (ug/L)*	Sept-98 (ug/L)*	Nov-98 (ug/L)*	Feb-99 (ug/L)	May-99 (ug/L)	Aug-99 (ug/L)	Nov-99 (ug/L)	Feb-00 (ug/L)
Aroclor-1016	0.1		< 0.10	N/A	< 0.3	< 0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10
Aroclor-1221	0.1		< 0.20	N/A	< 0.3	< 0.3	< 0.1	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.10	< 0.20
Aroclor-1232	0.1		< 0.10	N/A	< 0.3	< 0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10
Aroclor-1242	0.1		< 0.10	N/A	< 0.3	< 0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10
Aroclor-1248	0.1		< 0.10	N/A	< 0.3	< 0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10
Aroclor-1254	0.1	<1	< 0.10	N/A	< 0.3	< 0.3	< 0.1	0.032 J	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10
Aroclor-1260	0.1		< 0.10	N/A	< 0.3	< 0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10

Notes:

B = Qualified as non-detect due to blank contamination

D,* = Analyzed with dilution. See laboratory reports for dilution factors.

** Sample results reported represent the highest values obtained from the 5.5 hr and 29 hr samples.

E = Concentration exceeded calibration range of instrument.

J = Estimated Concentration

N/A = Not analyzed

Table 3
RW-2S
Quarterly Sample Results

Volatile Compounds (Method 8260A)	Site GW RAOs (ug/L)	Aug-95 (ug/L)**	Jul-97 (ug/L)*	Oct-97 (ug/L)	Dec-97 (ug/L)	Mar-98 (ug/L)*	Jun-98 (ug/L)*	Sept-98 (ug/L)*	Nov-98 (ug/L)*	Feb-99 (ug/L)	May-99 (ug/L)	Aug-99 (ug/L)	Nov-99 (ug/L)	Feb-00 (ug/L)	Apr-00 (ug/L)	Aug-00 (ug/L)	Nov-00 (ug/L)	Mar-01 (ug/L)	Jul-02-01 (ug/L)
Vinyl Chloride	5	100/61	< 5	< 250	< 5	<25	<1	<5	6	4	<10	2	<1	<5	<1	180	470 D	120	38
Methylene Chloride	-	<10/<10	< 13 ^b	880	< 5	30	<1	2 J	<5	<1	36 ^b	<1	5 ^a	<5	4 ^a	48 ^b	4.23 ^b	<5	<5
Acetone	-	<10/<10	< 10	< 500	< 10	<50	<5	<10	< 10	<5	<50	<5	<5	<10	<5	65 ^a	<5	<5	<5
1,1-Dichloroethene	-																32	<5	<5
cis-1,2-Dichloroethene	-																	620	400
trans-1,2-Dichloroethene	5	2200/2600	130	< 250	< 5	<25	<1	17	<5	<1	<10	<1	<1	<5	<1	92	56	6.7	<5
Chloroform	-			< 5	< 250	< 5	<25	<1	<5	<5	<10	<1	<1	<5	<1	<2	<1	<5	<5
2-Butanone	-			< 10	< 500	< 10	<50	<5	<10	< 10	<5	<50	<5	<5	<10	<5	21	<5	<5
1,1,2-Trichloroethane	-																1.05	<5	<5
Trichloroethene	5	7700/10000	410 D	3700	750 D	380	120	970 E	1100	1900 D	2,700	1500 D	17	46	490 D	43	6400 D	1500	2200
Isopropylbenzene	-			< 250	< 5	<25	<1	<5	<5	<1	<10	<1	<1	<5	<1	2	1.54	<5	<5
Benzene	-			< 5	< 250	< 5	<25	<1	<5	<5	<10	<1	<1	<5	<1	<2	<1	<1	<1
Tetrachloroethene	-																	2.93	<5
Toluene	5			< 5	< 250	< 5	<25	<1	<5	<5	<10	<1	<1	<5	<1	<2	2.01	<5	<5
Ethylbenzene	5			< 5	< 250	< 5	<25	<1	<5	<5	<10	3	<1	<5	<1	2	1.34	<5	<5
Total Xylenes	5	<10/10	< 5	< 250	< 5	<25	<1	<5	<5	<1	<10	20	2	<5	<3	17	13	<5	<5

Polychlorinated Biphenyls (PCBs) (Method 8080)	Site GW RAOs (ug/L)	Aug-95 (ug/L)**	Jul-97 (ug/L)*	Oct-97 (ug/L)	Dec-97 (ug/L)	Mar-98 (ug/L)*	Jun-98 (ug/L)*	Sept-98 (ug/L)*	Nov-98 (ug/L)*	Feb-99 (ug/L)	May-99 (ug/L)	Aug-99 (ug/L)	Nov-99 (ug/L)	Feb-00 (ug/L)
Aroclor-1016	0.1		< 0.10	N/A	< 0.3	< 0.3	<0.1	<0.1	<0.1	< 0.1	<0.10	<0.10	<0.10	<0.10
Aroclor-1221	0.1			< 0.20	N/A	< 0.3	< 0.3	<0.1	<0.2	< 0.2	<0.20	<0.20	<0.10	<0.20
Aroclor-1232	0.1			< 0.10	N/A	< 0.3	< 0.3	<0.1	<0.1	< 0.1	<0.10	<0.10	<0.10	<0.10
Aroclor-1242	0.1			< 0.10	N/A	< 0.3	< 0.3	<0.1	<0.1	< 0.1	<0.10	<0.10	<0.10	<0.10
Aroclor-1248	0.1			< 0.10	N/A	< 0.3	< 0.3	<0.1	<0.1	< 0.1	<0.10	<0.10	<0.10	<0.10
Aroclor-1254	0.1	<1/<1		< 0.10	N/A	< 0.3	< 0.3	<0.1	<0.1	< 0.1	<0.10	<0.10	<0.10	<0.10
Aroclor-1260	0.1		< 0.10	N/A	< 0.3	< 0.3	<0.1	<0.1	<0.1	< 0.1	<0.10	<0.10	<0.10	<0.10

Notes:

B = Qualified as non-detect due to blank contamination

D* = Analyzed with dilution. See laboratory reports for dilution factors.

** Sample results reported represent the highest values obtained from the 5.5 hr and 29 hr samples.

E = Concentration exceeded calibration range of instrument.

J = Estimated Concentration

N/A = Not analyzed

Table 4
RW-3S
Quarterly Sample Results

Volatile Compounds (Method 8260A)	Site GW RAOs (ug/L)	Jul-97 (ug/L)*	Oct-97 (ug/L)	Dec-97 (ug/L)	Mar-98 (ug/L)*	Jun-98 (ug/L)*	Sept-98 (ug/L)*	Nov-98 (ug/L)*	Feb-99 (ug/L)	May-99 (ug/L)	Aug-99 (ug/L)	Nov-99 (ug/L)	Feb-00 (ug/L)	Apr-00 (ug/L)	Aug-00 (ug/L)	Nov-00 (ug/L)	Mar-01 (ug/L)	Jul-02-01 (ug/L)
Vinyl Chloride	5	< 1000	< 500	11	<250	<10	<50	<5	11	<2	<1	<2	<5	<2	2	<2	<2	<2
Methylene Chloride	-	< 1000	< 500	< 5	360	<10	<50	<5	<1	12 ^b	<1	2 ^b	<5	57 ^b	<1	12	<5	<5
Acetone	-	< 2000	< 1000	14	<500	<50	<100	<10	<5	15	<5	<10	10	18 ^b	<5	<10	<5	<5
trans-1,2-Dichloroethene	5	< 1000	< 500	< 5	<250	<10	<50	<5	<1	<2	<1	<2	<5	<2	<1	<2	<5	<5
1,1-Dichloroethane	-	<1000	<500	<5	<250	<50	<50	<5	2	<2	<1	<2	<5	<2	<1	<2	<5	<5
Chloroform	-	< 1000	< 500	< 5	<250	<10	<50	<5	<1	<2	<1	<2	<5	<2	<1	<2	<5	<5
2-Butanone	-	< 2000	< 1000	< 10	<500	<50	<100	<10	<5	<10	<5	<10	<10	<10	<5	<10	<5	<5
Trichloroethene	5	< 1000	< 500	< 5	<250	<10	<50	<5	87 D	<2	<1	2	<10	<2	2	2.66	<5	<5
Isopropylbenzene	-	-	< 500	160	<250	71	110	24	83	3	34	39	13	47	50	24	17	38
Benzene	-	< 1000	< 500	21	<250	15	16 J	9	17	<2	7	11	<5	12	18	11	7.7	35
Toluene	5	7700	4800	3700 D	1700	430	180	<250	83	3	15	8	6	6	2	<2	<5	<5
Ethylbenzene	5	1800	740	1100 D	940	510	600	780	490 D	12	140	190	81	180	210 D	120	96	190
Total Xylenes	5	22000	11000	13000 D	13000	5100	4200 E	20000	3100 D	370	700 D	640	370 D	440	150	93	184	279

Polychlorinated Biphenyls (PCBs) (Method 8080)	Site GW RAOs (ug/L)	Jul-97 (ug/L)*	Oct-97 (ug/L)	Dec-97 (ug/L)	Mar-98 (ug/L)*	Jun-98 (ug/L)*	Sept-98 (ug/L)*	Nov-98 (ug/L)*	Feb-99 (ug/L)	May-99 (ug/L)	Aug-99 (ug/L)	Nov-99 (ug/L)	Feb-00 (ug/L)
Aroclor-1016	0.1	< 0.10	N/A	< 0.3	< 0.3	< 0.3	<0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10
Aroclor-1221	0.1	< 0.20	N/A	< 0.3	< 0.3	< 0.1	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.10	< 0.20
Aroclor-1232	0.1	< 0.10	N/A	< 0.3	< 0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10
Aroclor-1242	0.1	< 0.10	N/A	< 0.3	< 0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10
Aroclor-1248	0.1	< 0.10	N/A	< 0.3	< 0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10
Aroclor-1254	0.1	< 0.10	N/A	< 0.3	< 0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10
Aroclor-1260	0.1	< 0.10	N/A	< 0.3	< 0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10

Notes:

B = Qualified as non-detect due to blank contamination

D,* = Analyzed with dilution. See laboratory reports for dilution factors.

E = Concentration exceeded calibration range of instrument.

J = Estimated Concentration

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Table 5
RW-4S
Quarterly Sample Results

Volatile Compounds (Method 8260A)	Site GW RAOs (ug/L)	Jul-97 (ug/L)*	Oct-97 (ug/L)	Dec-97 (ug/L)	Mar-98 (ug/L)*	Jun-98 (ug/L)*	Sept-98 (ug/L)*	Nov-98 (ug/L)*	Feb-99 (ug/L)	May-99 (ug/L)	Aug-99 (ug/L)	Nov-00 (ug/L)	Feb-00 (ug/L)	Apr-00 (ug/L)	Aug-00 (ug/L)	Nov-00 (ug/L)	Mar-01 (ug/L)	Jul-02-01 (ug/L)
Vinyl Chloride	5	< 1000	< 100	< 25	<2500	<100	<500	< 5	<250	<500	<1	<500	<5	<250	<1	<500	<2	<2
Methylene Chloride	-	< 1200 ^b	220	< 25	6,500	<100	<500	< 5	<250	1,300 D	<1	5600 ^b	<5	1100 ^b	<1	1600	<5	<5
Acetone	-	< 3200 ^b	< 200	800	<5000	<500	<1000	58	<1300	<2,500	87	<2500	67	1600 ^b	44 ^b	<2500	27	18
trans-1,2-Dichloroethene	5	< 1000	< 100	< 25	<2500	<100	<500	< 5	<250	<500	<1	<500	<5	<250	<1	<500	<5	<5
Chloroform	-	< 1000	< 100	< 25	<2500	<100	<500	< 5	<250	<500	<1	<500	<5	<250	<1	<500	<5	<5
1,2-Dichloroethane	-	<1000	<100	<25	<2500	<100	<500	<5	<250	<500	1	<500	<5	<250	<1	<500	<5	<5
2-Butanone	-	< 2000	< 200	82	<5000	<500	<1000	< 10	<1300	<2,500	13	<2500	<10	<1300	<5	<2500	<5	6.5
4-Methyl-2-pentanone	-																	14
Trichloroethene	5	< 1000	< 100	< 25	<2500	<100	<500	< 5	<250	540	2	<500	<5	<250	2	770	<5	<5
Isopropylbenzene	-																	
Benzene	-	< 1000	< 100	26	<2500	<100	<500	6	<250	<500	25	<500	19	<250	27	<500	20	26
Toluene	5	6,100	< 100	3,100 D	<2500	1,600	8,400	110,000	2,500	390	4,700 D	3800	2900 D	6500	7200 D	5400	4700	4500
Ethylbenzene	5	7,800	550	17,000 D	9,400	8,800	19,000	18,000	11,000	12,000	15,000 D	13000	160	12000	14000 ^b	11000	11000	9000
Total Xylenes	5	45,000	3,000	97,000 D	51,000	46,000	97,000 E	110,000	72,000	77,000	81,000 D	80000	57000 D	87000	81000 DE	74000	72000	65000

Polychlorinated Biphenyls (PCBs) (Method 8080)	Site GW RAOs (ug/L)	Jul-97 (ug/L)*	Oct-97 (ug/L)	Dec-97 (ug/L)	Mar-98 (ug/L)*	Jun-98 (ug/L)*	Sept-98 (ug/L)*	Nov-98 (ug/L)*	Feb-99 (ug/L)	May-99 (ug/L)	Aug-99 (ug/L)	Nov-00 (ug/L)	Feb-00 (ug/L)
Aroclor-1016	0.1	< 0.10	N/A	< 0.3	< 0.3	<0.1	<0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10
Aroclor-1221	0.1	< 0.20	N/A	< 0.3	< 0.3	<0.1	<0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.10	< 0.20
Aroclor-1232	0.1	< 0.10	N/A	< 0.3	< 0.3	<0.1	<0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10
Aroclor-1242	0.1	< 0.10	N/A	< 0.3	< 0.3	<0.1	<0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10
Aroclor-1248	0.1	< 0.10	N/A	< 0.3	< 0.3	<0.1	<0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10
Aroclor-1254	0.1	< 0.10	N/A	< 0.3	< 0.3	<0.1	<0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10
Aroclor-1260	0.1	0.092 J	N/A	< 0.3	< 0.3	<0.1	<0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10

Notes:

B = Qualified as non-detect due to blank contamination

D,* = Analyzed with dilution. See laboratory reports for dilution factors.

E = Concentration exceeded calibration range of instrument.

J = Estimated Concentration

N/A = Not analyzed

Table 6
RW-5S
Quarterly Sample Results

Volatile Compounds (Method 8260A)	Site GW RAOs (ug/L)	Jul-97 (ug/L)*	Oct-97 (ug/L)	Dec-97 (ug/L)	Mar-98 (ug/L)*	Jun-98 (ug/L)*	Sept-98 (ug/L)*	Nov-98 (ug/L)*	Feb-99 (ug/L)	May-99 (ug/L)	Aug-99 (ug/L)	Nov-99 (ug/L)	Feb-00 (ug/L)	Apr-00 (ug/L)	Aug-00 (ug/L)	Nov-00 (ug/L)	Mar-01 (ug/L)	Jul-02-01 (ug/L)
Vinyl Chloride	5	< 100	< 100	< 10	< 10	< 2	<25	< 5	<1	2	<1	<1	<5	<1	<1	<100	<2	<2
Methylene Chloride	-	< 130 ^b	580	< 10	<10	8	<25	34	1	1 ^b	<1	2 ^b	<5	4 ^b	9	340	<5	<5
Acetone	-	< 200	< 200	< 20	<20	<10	33 J	11	<5	<5	<5	<5	<10	<5	16 ^b	<500	<5	<5
trans-1,2-Dichloroethene	5	< 100	< 100	< 10	<10	<2	<25	< 5	<1	<1	<1	<1	<5	<1	<1	<100	<5	<5
Chloroform	-	< 100	< 100	< 10	<10	<2	<25	< 5	<1	<1	<1	<1	<5	<1	<1	<100	<5	<5
2-Butanone	-	< 200	440	< 20	<20	66	69	< 10	<5	<5	<5	<5	<10	<5	<1	<500	<5	<5
1,2-Dichloropropane	-	<100	<100	<10	<10	<2	<25	< 5	<1	<5	1	<1	<5	<1	<1	<100	<5	<5
Trichloroethene	5	< 100	< 100	< 10	<10	34	<25	7	<2 ^b	7	<1	<1	<5	<1	<1	<100	<5	<5
Isopropylbenzene	-	< 100	< 100	< 10	<10	6	8 J	11	7	<1	4	3	<5	5	4	170	<5	<5
Benzene	-	< 100	< 100	< 10	<10	<2	<25	< 5	<1	<1	<1	<1	<5	<1	<1	<100	<1	<1
Toluene	5	< 100	< 100	17	15	520	890	320	94	7	16	<1	<5	15	7	6100	<5	12
Ethylbenzene	5	620	420	35	<10	57	92	120	74	3	53	22	<5	41	29	16000	35	20
Total Xylenes	5	2000	2300	410	86	520	640	570	330	26	660 D	63	12	82	68	73000 D	186	231

Polychlorinated Biphenyls (PCBs) (Method 8080)	Site GW RAOs (ug/L)	Jul-97 (ug/L)*	Oct-97 (ug/L)	Dec-97 (ug/L)	Mar-98 (ug/L)*	Jun-98 (ug/L)*	Sept-98 (ug/L)*	Nov-98 (ug/L)*	Feb-99 (ug/L)	May-99 (ug/L)	Aug-99 (ug/L)	Nov-99 (ug/L)	Feb-00 (ug/L)
Aroclor-1016	0.1	< 0.10	N/A	< 0.3	< 0.3	<0.1	<0.1	< 0.1	< 0.1	<0.10	<0.10	<0.10	<0.10
Aroclor-1221	0.1	< 0.20	N/A	< 0.3	< 0.3	<0.1	<0.2	< 0.2	< 0.2	<0.20	<0.20	<0.10	<0.20
Aroclor-1232	0.1	< 0.10	N/A	< 0.3	< 0.3	<0.1	<0.1	< 0.1	< 0.1	<0.10	<0.10	<0.10	<0.10
Aroclor-1242	0.1	< 0.10	N/A	< 0.3	< 0.3	<0.1	<0.1	< 0.1	< 0.1	<0.10	<0.10	<0.10	<0.10
Aroclor-1248	0.1	< 0.10	N/A	< 0.3	< 0.3	<0.1	<0.1	< 0.1	< 0.1	<0.10	<0.10	<0.10	<0.10
Aroclor-1254	0.1	< 0.10	N/A	0.28 J	< 0.3	<0.1	<0.1	< 0.1	< 0.1	<0.10	<0.10	<0.10	<0.10
Aroclor-1260	0.1	0.042 J	N/A	< 0.3	< 0.3	<0.1	<0.1	< 0.1	< 0.1	<0.10	<0.10	<0.10	<0.10

Notes:

B = Qualified as non-detect due to blank contamination

D.* = Analyzed with dilution. See laboratory reports for dilution factors.

J = Estimated Concentration

N/A = Not analyzed

Table 7
RW-1D
Quarterly Sample Results

Volatile Compounds (Method 8260A)	Site GW RAOs (ug/L)	Jul-97 (ug/L)*	Oct-97 (ug/L)	Dec-97 (ug/L)	Mar-98 (ug/L)*	Jun-98 (ug/L)*	Sept-98 (ug/L)*	Nov-98 (ug/L)*	Feb-99 (ug/L)	May-99 (ug/L)	Aug-99 (ug/L)	Nov-99 (ug/L)	Apr-8-00 (ug/L)	Apr-30-00 (ug/L)	Aug-00 (ug/L)	Nov-00 (ug/L)	Apr-05-01 (ug/L)	Jul-02-01 (ug/L)
Chloromethane	-									4	<2	<1	<5	<1	<1	<5	<5	
Vinyl Chloride	5	23	29	93	200	200	130	130	140 D	210	120	830 D	450 D	530	25	910 D	<2	110
Methylene Chloride	-	<8 ^B	14	<5	<5	3	2 J	<5	<1	1 ^B	3	24 ^B	11 ^B	27 ^B	<1	<1	<5	<5
Acetone	-	<19 ^B	<10	<10	37	<5	<10	<10	<5	<5	<10	<10	14 ^B	<25	4 J ^B	<5	<5	<5
1,1-Dichloroethene	-	<5	<5	<5	<5	<1	<5	<5	3	4	2	54	85	53	11	41	10	12
cis-1,2-Dichloroethene																	1500	1700
trans-1,2-Dichloroethene	5	26	<5	<5	<5	2	2 J	<5	4	4	16	43	110	84	17	52	14	12
Chloroform	-	<5	<5	<5	<5	<1	<5	<5	<1	<1	<2	<2	1	<5	<1	<1	<5	<5
2-Butanone	-	<10	<10	<10	<10	<5	<10	<10	<5	<5	<10	<10	<5	<25	<5	<5	<5	<5
Trichloroethene	5	<5	<5	<5	<5	<1	3 J	6	<10 ^B	19	<2	38	8	25	16	150	<5	14
Isopropylbenzene	-	<5	<5	<5	<5	<1	<5	<5	<1	<1	<2	<2	<1	<5	<1	<1	<5	<5
Benzene	-	<5	<5	<5	<5	<1	<5	<5	2	2	<2	6	23	17	4	14	3.7	6.0
Toluene	5	<5	<5	<5	<5	<1	<5	<5	<1	<1	<2	<2	<1	<5	<1	<1	<5	<5
Ethylbenzene	5	<5	<5	<5	<5	<1	<5	<5	<1	<1	<2	<2	<1	<5	<1	<1	<5	<5
Total Xylenes	5	<5	<5	<5	<5	<1	<5	<5	<1	<1	<2	<2	<3	<15	<3	<1	<5	<5

Polychlorinated Biphenyls (PCBs) (Method 8080)	Site GW RAOs (ug/L)	Jul-97 (ug/L)*	Oct-97 (ug/L)	Dec-97 (ug/L)	Mar-98 (ug/L)*	Jun-98 (ug/L)*	Sept-98 (ug/L)*	Nov-98 (ug/L)*	Feb-99 (ug/L)	May-99 (ug/L)	Aug-99 (ug/L)	Nov-99 (ug/L)	Feb-00 (ug/L)
Aroclor-1016	0.1	<0.10	N/A	<0.3	<0.3	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10
Aroclor-1221	0.1	<0.20	N/A	<0.3	<0.3	<0.1	<0.2	<0.2	<0.2	<0.20	<0.20	<0.10	<0.20
Aroclor-1232	0.1	<0.10	N/A	<0.3	<0.3	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10
Aroclor-1242	0.1	<0.10	N/A	<0.3	<0.3	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10
Aroclor-1248	0.1	<0.10	N/A	<0.3	<0.3	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10
Aroclor-1254	0.1	<0.10	N/A	<0.3	<0.3	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10
Aroclor-1260	0.1	<0.10	N/A	<0.3	<0.3	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10

Notes:

B = Qualified as non-detect due to blank contamination

D,* = Analyzed with dilution. See laboratory reports for dilution factors.

J = Estimated Concentration

N/A = Not analyzed

Table 8
RW-2D
Quarterly Sample Results

Volatile Compounds (Method 8260A)	Site GW RAOs (ug/L)	Aug-95 (ug/L)**	Jul-97 (ug/L)*	Oct-97 (ug/L)	Dec-97 (ug/L)	Mar-98 (ug/L)*	Jun-98 (ug/L)*	Sept-98 (ug/L)*	Nov-98 (ug/L)*	Feb-99 (ug/L)	May-99 (ug/L)	Aug-99 (ug/L)	Nov-99 (ug/L)	Feb-00 (ug/L)	Apr-00 (ug/L)	Aug-00 (ug/L)	Nov-00 (ug/L)	Mar-01 (ug/L)	Jul-02-01 (ug/L)
Vinyl Chloride	5	32	32	< 50	71	<250	83/<25	110 J	150	190	280	190 D	<20	210	150	160 D	120 D	530	610
Methylene Chloride	-	<10	< 12 ^b	340	< 5	<250	<25/<25	80 J	< 5	<1	1 ^b	<1	260 ^b	<5	410 ^b	<1	3,06 ^b	<5	<5
Acetone	-	<10	< 90 ^b	< 100	< 10	<500	<130/<130	<250	< 10	<5	<5	<5	<100	<10	120 ^b	<5	<5	<5	<5
1,1-Dichloroethene	-		<5	<50	<5	<250	<25	>120	<5	5	6	<1	65	6	<10	12	25	17	18
cis-1,2-Dichloroethene																		5200	4200
trans-1,2-Dichloroethene	5	200	320 D	< 50	< 5	<250	<25/<25	<120	< 5	5	5	94	7	<10	11	19	27	27	
Chloroform	-		< 5	< 50	< 5	<250	<25/<25	<120	< 5	<1	<1	<1	<20	<5	<10	<1	<1	<5	<5
2-Butanone	-		130	270	< 10	<500	<25/<25	<250	< 10	<5	<5	<5	<100	<10	<50	16	<5	<5	<5
Trichloroethene	5	5600	2200 D	1900 D	4500 D	4900	2200/2500	3200	4700	4500 D	4,000	2800 D	18000 D	1900 D	3100	3000 D	4400 D	1100	270
Isopropylbenzene	-			< 50	< 5	<250	<25/<25	<120	< 5	<1	<1	<1	<20	<5	<10	<1	<1	<5	<5
Benzene	-		< 5	< 50	< 5	<250	<25/<25	<120	< 5	<1	<1	2	<20	<5	<10	3	4.7	6.5	7.2
Tetrachloroethene	-		<5	<50	<5	<250	<25	<120	<5	1	1	<20	<5	<10	<1	1.04	<5	<5	
Toluene	5		< 5	< 50	< 5	<250	<25/<25	<120	< 5	<1	<1	<1	<20	<5	<10	<1	<1	<5	<5
Ethylbenzene	5		< 5	< 50	< 5	<250	<25/<25	<120	< 5	<1	<1	<1	<20	7	<10	<1	<1	<5	<5
Total Xylenes	5	<10	< 5	< 50	< 5	<250	<25/<25	<120	< 5	<2 ^b	2	13	<20	38	<30	<3	1.49	<5	<5

Polychlorinated Biphenyls (PCBs) (Method 8080)	Site GW RAOs (ug/L)	Aug-95 (ug/L)**	Jul-97 (ug/L)*	Oct-97 (ug/L)	Dec-97 (ug/L)	Mar-98 (ug/L)*	Jun-98 (ug/L)*	Sept-98 (ug/L)*	Nov-98 (ug/L)*	Feb-99 (ug/L)	May-99 (ug/L)	Aug-99 (ug/L)	Nov-99 (ug/L)	Feb-00 (ug/L)
Aroclor-1016	0.1		< 0.10	N/A	< 0.3	< 0.3	<0.1/<0.1	<0.1	< 0.1	< 0.1	<0.10	<0.10	<0.10	<0.10
Aroclor-1221	0.1		< 0.20	N/A	< 0.3	< 0.3	<0.1/<0.1	<0.2	< 0.2	< 0.2	<0.20	<0.20	<0.10	<0.20
Aroclor-1232	0.1		< 0.10	N/A	< 0.3	< 0.3	<0.1/<0.1	<0.1	< 0.1	< 0.1	<0.10	<0.10	<0.10	<0.10
Aroclor-1242	0.1		< 0.10	N/A	< 0.3	< 0.3	<0.1/<0.1	<0.1	< 0.1	< 0.1	<0.10	<0.10	<0.10	<0.10
Aroclor-1248	0.1		< 0.10	N/A	< 0.3	< 0.3	<0.1/<0.1	<0.1	< 0.1	< 0.1	<0.10	<0.10	<0.10	<0.10
Aroclor-1254	0.1	<1	< 0.10	N/A	< 0.3	< 0.3	<0.1/<0.1	<0.1	< 0.1	< 0.1	<0.10	<0.10	<0.10	<0.10
Aroclor-1260	0.1		< 0.10	N/A	< 0.3	< 0.3	<0.1/<0.1	<0.1	< 0.1	< 0.1	<0.10	<0.10	<0.10	<0.10

Notes:

B = Qualified as non-detect due to blank contamination

D = Analyzed with dilution. See laboratory reports for dilution factors.

** Sample results reported represent the highest values obtained from the 5.5 hr and 29 hr samples.

J = Estimated Concentration

N/A = Not analyzed

Table 9
POTW Monthly Monitoring Summary
System Influent/Effluent Data
Volatile Organic Compounds

Pre-Carbon Analytical Results	Jan-31-01 (ug/L)	Feb-27-01 (ug/L)	Mar-23-01 (ug/L)	Apr-27-01 (ug/L)	May-24-01 (ug/L)	Jun-29-01 (ug/L)	Jul-01 (ug/L)	Aug-01 (ug/L)	Sep-01 (ug/L)	Oct-01 (ug/L)	Nov-01 (ug/L)	Dec-01 (ug/L)
Chloromethane	6.15	<250	<5	<5	<5	<5						
Vinyl Chloride	470 ^D	260	370	490	350	400						
Methylene Chloride	<1	<250	<5	<5	<5	<5						
Acetone	3.18	<250	<5	<5	6.1	6.6						
1,1-Dichloroethene	15	<250	12	11	7.9	9.4						
cis-1,2-Dichloroethene			3,900	3,400	2,400	3,800						
trans-1,2-Dichloroethene	14	<250	15	14	8.0	9.7						
Chloroform	<1	<250	<5	<5	<5	<5						
2-Butanone	4.87	<250	<5	<5	<5	<5						
Trichloroethene	2,800 ^D	1,200	1,100	1,300	250	880						
Isopropylbenzene	3.43	<250	5.4	7.7	5.5	<5						
Benzene	4.31	<250	5.4	5.5	3.8	4.2						
Toluene	92	<250	160	380	150	180						
Ethylbenzene	180	140 ^I	330	560	330	340						
Total Xylenes	1,300 ^D	1,200	2,920	4,400	2,640	2,940						
Pre-Carb TOTAL VOCs	4,902.94	2,800	8,817.80	10,548.20	6,151.30	8,569.90						

Primary Carbon Analytical Results	Jan-31-01 (ug/L)	Feb-27-01 (ug/L)	Mar-23-01 (ug/L)	Apr-27-01 (ug/L)	May-24-01 (ug/L)	Jun-29-01 (ug/L)	Jul-01 (ug/L)	Aug-01 (ug/L)	Sep-01 (ug/L)	Oct-01 (ug/L)	Nov-01 (ug/L)	Dec-01 (ug/L)
Chloromethane	NS	NS	NS	NS	NS	<5						
Vinyl Chloride	NS	NS	NS	NS	NS	400						
Methylene Chloride	NS	NS	NS	NS	NS	<5						
Acetone	NS	NS	NS	NS	NS	<5						
1,1-Dichloroethene	NS	NS	NS	NS	NS	<5						
cis-1,2-Dichloroethene	NS	NS	NS	NS	NS	17						
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	<5						
Chloroform	NS	NS	NS	NS	NS	<5						
2-Butanone	NS	NS	NS	NS	NS	<5						
Trichloroethene	NS	NS	NS	NS	NS	<5						
Isopropylbenzene	NS	NS	NS	NS	NS	<5						
Benzene	NS	NS	NS	NS	NS	<1						
Toluene	NS	NS	NS	NS	NS	<5						
Ethylbenzene	NS	NS	NS	NS	NS	<5						
Total Xylenes	NS	NS	NS	NS	NS	<5						
Primary-Carb TOTAL VOCs	N/A	N/A	N/A	N/A	N/A	417						

Post-Carbon Analytical Results	Jan-31-01 (ug/L)	Feb-27-01 (ug/L)	Mar-23-01 (ug/L)	Apr-27-01 (ug/L)	May-24-01 (ug/L)	Jun-29-01 (ug/L)	Jul-01 (ug/L)	Aug-01 (ug/L)	Sep-01 (ug/L)	Oct-01 (ug/L)	Nov-01 (ug/L)	Dec-01 (ug/L)
Chloromethane	<1	<1	<5	<5	<5	<5						
Vinyl Chloride	11	150 ^D	280	380	<2	<2						
Methylene Chloride	1.44	<1	<5	<5	<5	<5						
Acetone	<1	<1	<5	5.7	<5	<5						
1,1-Dichloroethene	<1	<1	<5	7.9	<5	<5						
cis-1,2-Dichloroethene			1,900	3,000	<5	<5						
trans-1,2-Dichloroethene	<1	<1	5.8	11	<5	<5						
Chloroform	<1	<1	<5	<5	<5	<5						
2-Butanone	1.40	<1	<5	<5	<5	<5						
Trichloroethene	<1	5.84	490	920	<5	<5						
Isopropylbenzene	<1	<1	<5	6.0	<5	<5						
Benzene	<1	<1	2.1	4.3	<1	<1						
Toluene	<1	<1	66	310	<5	<5						
Ethylbenzene	<1	0.599 ^J	130	400	<5	<5						
Total Xylenes	<1	4.94	1,290	3,190	<5	<5						
Post-Carb TOTAL VOCs	13.84	161.38	4,163.9	8,214.9	ND	ND						

Notes:

Pre-Carbon sample results represent system influent.

Primary Carbon sample results represent effluent from the first carbon vessel in the two (2) carbon vessel system.

Post-Carbon sample results represent system effluent from the secondary carbon vessel to the POTW.

B = Qualified as non-detect due to blank contamination

D = Analyzed with dilution, see laboratory reports for dilution factor

J = Estimated Concentration

ND = Non detect

NS = Not Sampled

FIGURES

FIGURES

LEGEND

- (●) MONITORING WELL
- (○) RECOVERY WELL
- (—) APPROXIMATE R.O.W. LINE
- (---) PROPERTY LINE
- (~~~~) INFERRRED WATER LEVEL CONTOUR
- (1272.85) GROUNDWATER ELEVATION (FEET, MSL)
- (◆) PIEZOMETER LOCATION
- (●) APPROXIMATE GROUNDWATER MONITORING POINT LOCATION
- (◆) UST AREA TEST BORING LOCATION
- (△) VAPOR PROBE LOCATION

NOTE:

RECOVERY WELLS RW-3S, RW-4S AND RW-5S CYCLE BETWEEN CONTACT PROBE SETTINGS. THE WATER LEVELS DEPICTED FOR RW-3S, RW-4S AND RW-5S REPRESENT THE WATER LEVEL ELEVATION CORRESPONDING TO THE LOWER CONTACT PROBE SETTING (PUMP OFF) IN EACH WELL.

HOPES ARCHITECTURAL PRODUCTS

1272

2-STY. FRAME &
CONC. BLOCK BLDG.

3-STY. BRICK
BUILDING

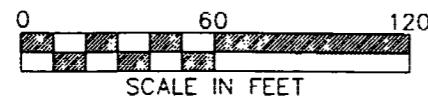
ANGOVE AVENUE

1271

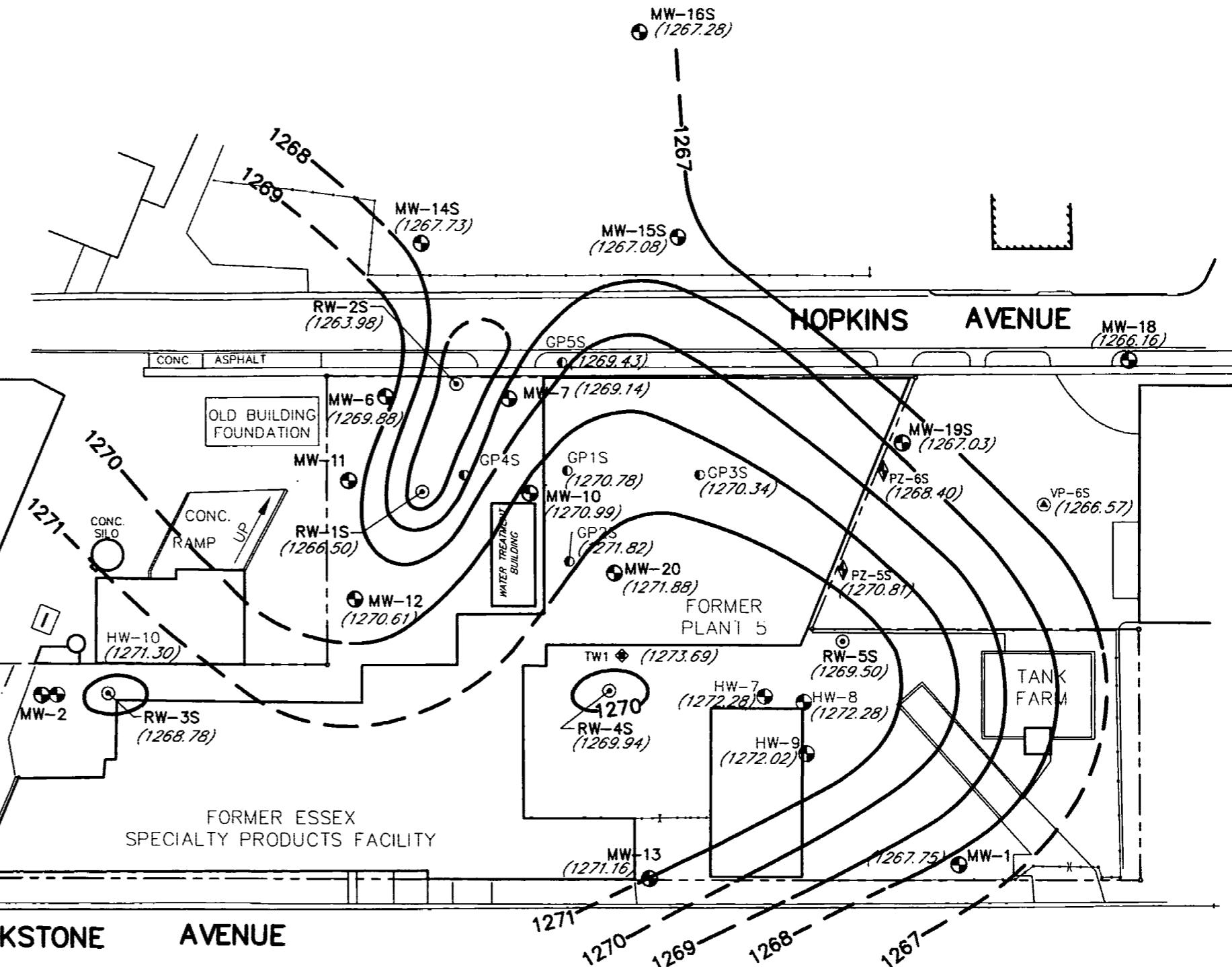
MW-5
(1272.83)

MW-4
(1271.81)

BLACKSTONE AVENUE



00
77
22
73
00
11
KK
GG



URS

WATER TABLE CONTOUR MAP
APRIL 24, 2001

ESSEX/HOPE SITE

CLIENT: ESSEX SPECIALTY PRODUCTS, INC.

JAMESTOWN, NY

JOB NUMBER: 801419.1040

SCALE: AS SHOWN

FIGURE
NUMBER

1

REV
0

LEGEND

- (●) MONITORING WELL
- (○) RECOVERY WELL
- APPROXIMATE R.O.W. LINE
- - - PROPERTY LINE
- INFERRED POTENTIOMETRIC CONTOUR
- (1272.85) GROUNDWATER ELEVATION (FEET, MSL)
- APPROXIMATE GROUNDWATER MONITORING POINT LOCATION
- ◆ PIEZOMETER LOCATION
- ◆ UST AREA TEST BORING LOCATION
- ◎ VAPOR PROBE LOCATION

NOTE:

RW-1D SHUT DOWN IN JUNE 1999.

HOPES ARCHITECTURAL PRODUCTS

2-STY. FRAME &
CONC. BLOCK BLDG.

3-STY. BRICK
BUILDING

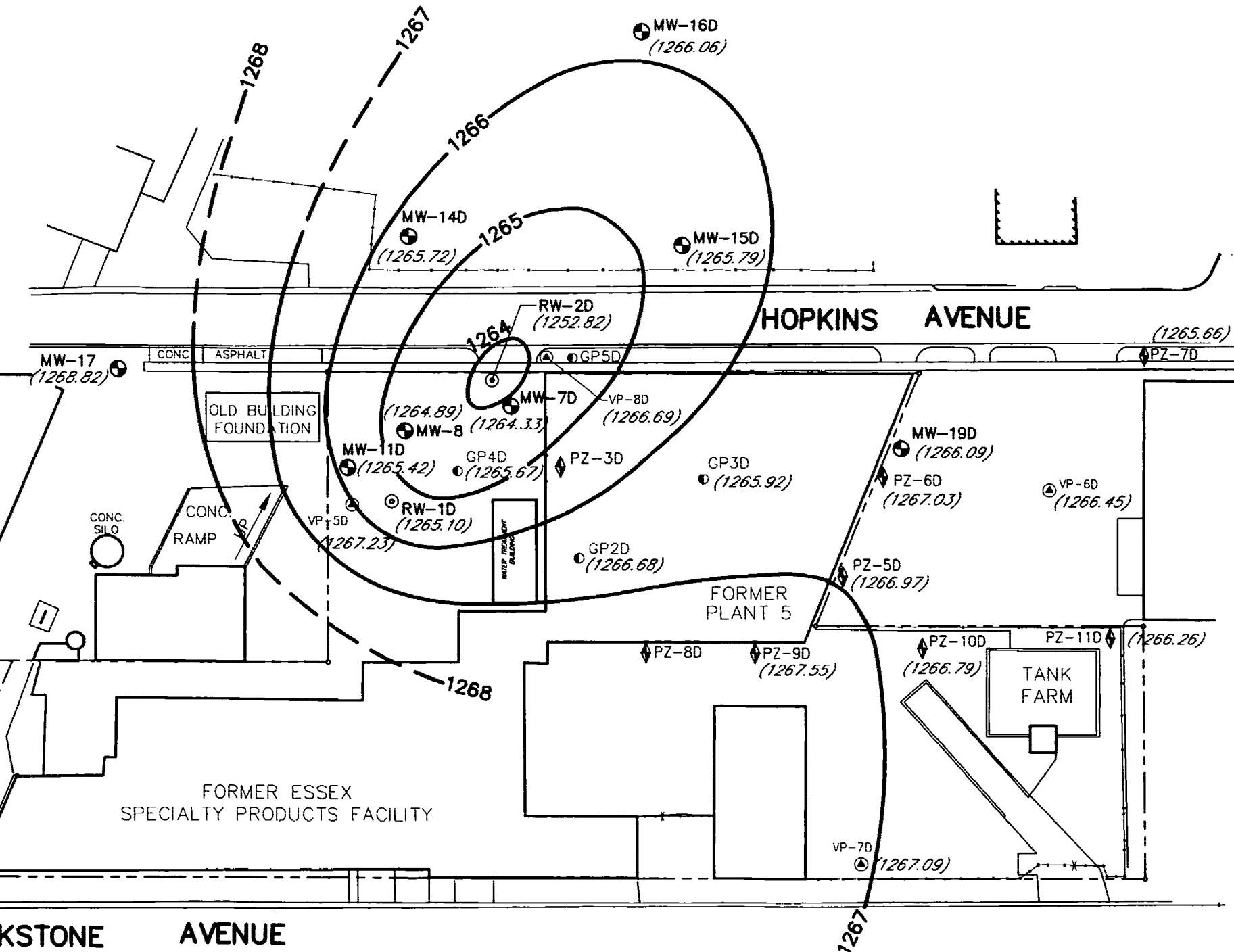
FORMER ESSEX
SPECIALTY PRODUCTS FACILITY

BLACKSTONE AVENUE

HOPKINS AVENUE

(1265.66)

PZ-7D



0 60 120
SCALE IN FEET

00
77
22
73
00
11
KK
CC

URS

POTENTIOMETRIC CONTOUR MAP
LOWER FINE SAND WATER BEARING ZONE
APRIL 24, 2001

ESSEX/HOPE SITE

JAMESTOWN, NY

CLIENT: ESSEX SPECIALTY PRODUCTS, INC.

JOB NUMBER: 801419.1040

SCALE: AS SHOWN

FIGURE
NUMBER

2

REV
0

LEGEND

- MONITORING WELL
- RECOVERY WELL
- APPROXIMATE R.O.W. LINE
- PROPERTY LINE
- INFERRED WATER LEVEL CONTOUR
- (1272.85) GROUNDWATER ELEVATION (FEET, MSL)
- PIEZOMETER LOCATION
- APPROXIMATE GROUNDWATER MONITORING POINT LOCATION
- UST AREA TEST BORING LOCATION
- VAPOR PROBE LOCATION

NOTE:

RECOVERY WELLS RW-3S, RW-4S AND RW-5S CYCLE BETWEEN CONTACT PROBE SETTINGS. THE WATER LEVELS DEPICTED FOR RW-3S, RW-4S AND RW-5S REPRESENT THE WATER LEVEL ELEVATION CORRESPONDING TO THE LOWER CONTACT PROBE SETTING (PUMP OFF) IN EACH WELL.

HOPES ARCHITECTURAL PRODUCTS

2-STY. FRAME & CONC. BLOCK BLDG.

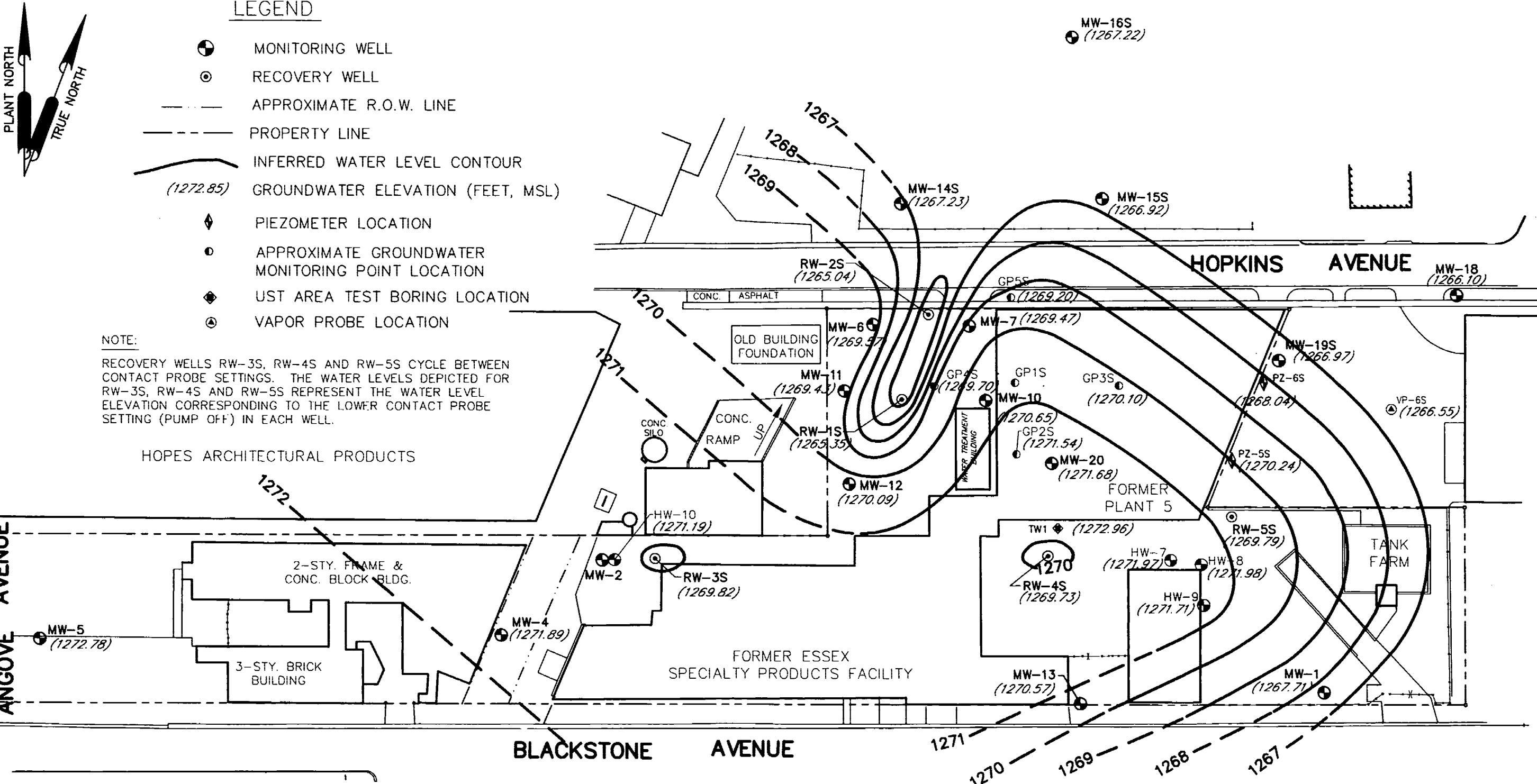
3-STY. BRICK
BUILDING

FORMER ESSEX
SPECIALTY PRODUCTS FACILITY

ANGOVE AVENUE

BLACKSTONE AVENUE

AVENUE



0 60 120
SCALE IN FEET

00
77
22
73
00
11
KK
GG

URS

J:\ESSEX\HOP\7138\801419\8014190.DWG
VERTICAL BENCH MARK INFORMATION CAME FROM U.S.C.S. PLAQUE U-88-S.E. ABUTT. ERIE R.R. BRIDGE
OVER BUFFALO ST., ELEV.=1296.034 (NATIONAL GEODETIC VERTICAL DATUM, 1929)

WATER TABLE CONTOUR MAP
JUNE 28, 2001

ESSEX/HOPE SITE

JAMESTOWN, NY

CLIENT: ESSEX SPECIALTY PRODUCTS, INC.

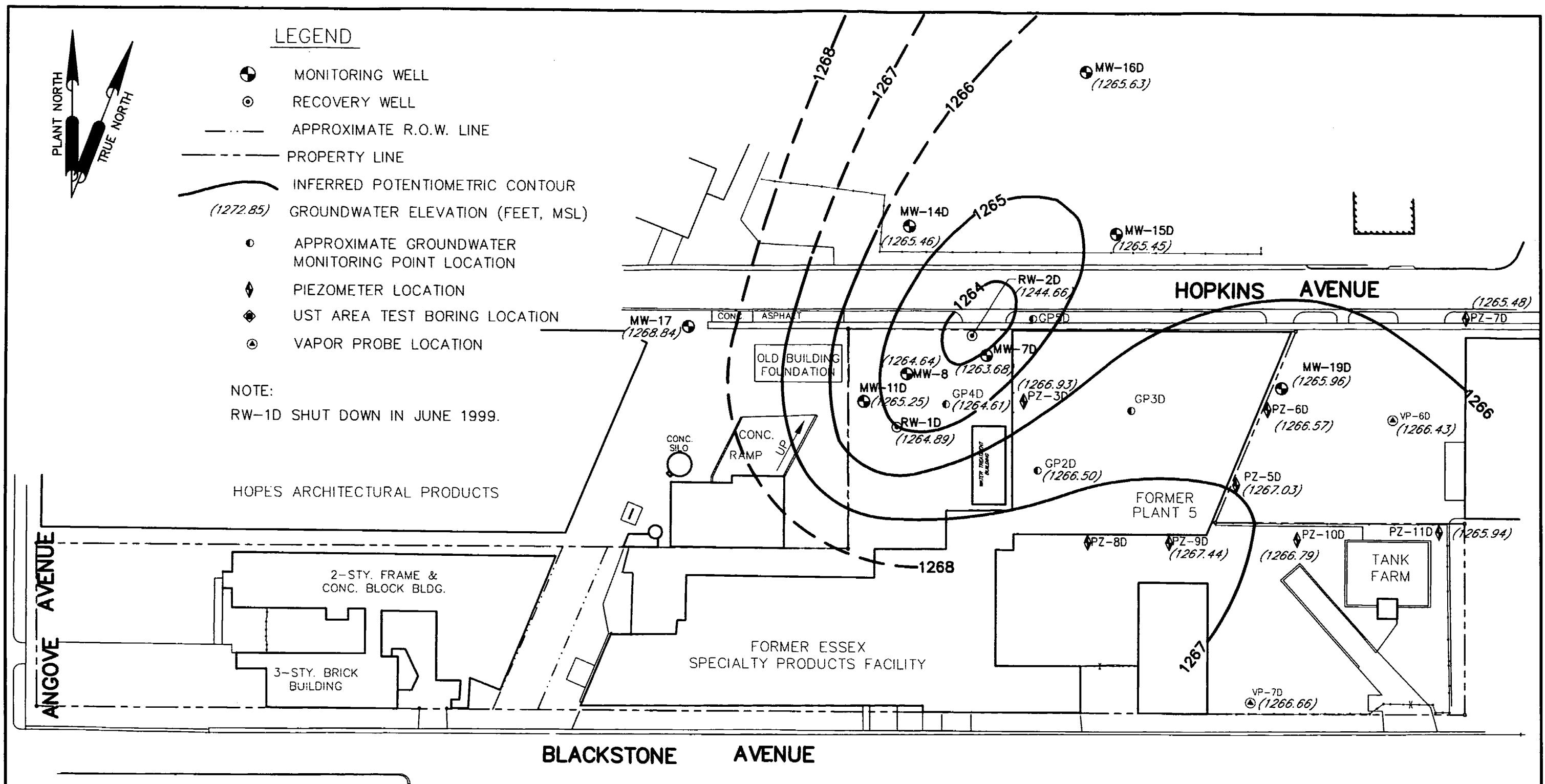
JOB NUMBER: 801419.1040

SCALE: AS SHOWN

FIGURE
NUMBER

3

REV
0



0 60 120
SCALE IN FEET

00
77
22
73
00
11
KK
GG

URS

VERTICAL BENCH MARK INFORMATION CAME FROM U.S.G.S. PLAQUE U-88-S.E. ABUTT. ERIE R.R. BRIDGE
OVER BUFFALO ST., ELEV.=1296.034 (NATIONAL GEODETIC VERTICAL DATUM, 1929).

POTENTIOMETRIC CONTOUR MAP
LOWER FINE SAND WATER BEARING ZONE
JUNE 28, 2001

ESSEX/HOPE SITE

CLIENT: ESSEX SPECIALTY PRODUCTS, INC.

JAMES TOWN, NY

JOB NUMBER: 801419.1010

SCALE: AS SHOWN

FIGURE
NUMBER

4

REV
0

A

APPENDIX A

WATER LEVEL MEASUREMENT DATA

Groundwater Extraction System Monitoring Data

2001 Water Levels

Essex/Hope Site Remedial Action

Jamestown, New York

Radian Project No. 801419

Well No.	Northing	Easting	Reference Elevation (ft msl)	Screened Zone	March 28, 2001		April 24, 2001		May 30, 2001	
					Depth to Water	Groundwater Elevation (ft msl)	Depth to Water	Groundwater Elevation (ft msl)	Depth to Water (ft toc)	Groundwater Elevation (ft msl)
MW-1	9758.7181	10383.8498	1280.48	Shallow WBZ	12.88	1287.82	12.73	1287.75	13.08	1287.75
MW-2	9837.1531	9859.8857	1270.87	Shallow WBZ	Dry		Dry		Dry	
MW-4	9792.3277	9830.7631	1281.02	Shallow WBZ	9.19	1271.63	9.21	1271.61	9.34	1271.61
MW-5	9789.6222	9631.761	1280.82	Shallow WBZ	7.98	1272.63	7.99	1272.63	8.08	1272.74
MW-6*	9777.1197	10118.8762	1277.98	Shallow WBZ	8.03	1269.95	8.10	1269.88	8.63	1269.35
MW-7*	9778.8487	10175.8797	1277.73	Shallow WBZ	8.91	1268.82	8.59	1269.14	8.67	1269.00
MW-10	9932.4702	10185.7078	1277.94	Shallow WBZ	7.05	1270.89	8.95	1270.69	7.33	1270.63
MW-11*	9837.8912	10101.7018	1277.75	Shallow WBZ	7.88	1269.87	8.04	1269.71	8.41	1269.34
MW-12	9363.0874	10104.9278	1278.18	Shallow WBZ	7.47	1270.71	7.57	1270.61	8.30	1269.88
MW-13	9757.0619	10240.2934	1278.12	Shallow WBZ	7.55	1270.57	8.98	1271.16	7.36	1270.76
MW-14S	10048.7753	10135.5198	1280.25	Shallow WBZ	12.70	1267.55	12.52	1267.73	12.54	1267.73
MW-15S	10051.8272	10254.4862	1279.55	Shallow WBZ	12.21	1267.34	12.47	1267.08	13.49	1268.00
MW-18S	10148.7788	10238.8582	1279.32	Shallow WBZ	11.73	1267.58	12.04	1267.28	12.78	1266.53
MW-18	9984	10465	1275.59	Shallow WBZ	8.92	1268.67	9.43	1268.18	10.03	1265.56
MW-18S	9956.1454	10358.207	1278.82	Shallow WBZ	9.54	1267.28	8.70	1267.03	10.44	1266.34
MW-20	9895.0082	10224.2126	1278.64	Shallow WBZ	8.42	1272.22	6.76	1271.88	6.88	1271.76
HW-1	9874.8053	10079.0259	1281.01	Shallow WBZ	NA	NA	NA	NA	NA	NA
HW-2	9977.6477	10079.7862	1281.13	Shallow WBZ	NA	NA	NA	NA	NA	NA
HW-3	9886.163	9957.8007	1283.24	Shallow WBZ	NA	NA	NA	NA	NA	NA
HW-7	9837.3164	10263.8428	1277.55	Shallow WBZ	5.10	1272.45	5.27	1272.28	5.78	1271.78
HW-8	9834.6064	10312.0685	1277.81	Shallow WBZ	5.41	1272.40	5.53	1272.28	6.05	1271.76
HW-9	9810.5264	10313.3873	1280.78	Shallow WBZ	8.61	1272.17	8.76	1272.02	9.35	1271.43
HW-10	9837.2976	9968.7406	1279.55	Shallow WBZ	8.22	1271.33	8.25	1271.30	8.58	1270.97
SP-10	9815.1648	9977.9909	1279.03	Shallow WBZ	NA	NA	NA	NA	NA	NA
SP-11	9839.7586	9977.8072	1279.23	Shallow WBZ	NA	NA	NA	NA	NA	NA
SP-12	9833.1838	9958.7423	1279.68	Shallow WBZ	NA	NA	NA	NA	NA	NA
SP-13	9819.5006	9958.5784	1279.87	Shallow WBZ	NA	NA	NA	NA	NA	NA
SP-14	9807.2232	9867.0477	1279.39	Shallow WBZ	NA	NA	NA	NA	NA	NA
SP-15	9840.8722	10209.4525	1278.65	Shallow WBZ	NA	NA	NA	NA	NA	NA
SP-16	9840.3119	10250.4484	1277.84	Shallow WBZ	NA	NA	NA	NA	NA	NA
SP-17	9845.107	10287.9591	1277.50	Shallow WBZ	NA	NA	NA	NA	NA	NA
SP-18	9855.8421	10323.265	1277.4	Shallow WBZ	NA	NA	NA	NA	NA	NA
SDC-1	N/A	N/A	Shallow WBZ	NA	NA	NA	NA	NA	NA	NA
RW-1	9832.8951	10135.8706	1278.06	Shallow WBZ	7.50	1268.56	9.58	1268.60	10.80	1265.26
RW-2S*	9893.3801	10151.6403	1278.59	Shallow WBZ	9.44	1267.15	12.81	1263.88	11.38	1265.21
RW-3S	9838.0594	9980.4502	1278.28	Shallow WBZ	8.40	1269.89	9.51	1268.78	8.51	1269.76
RW-4S	9819.8053	10221.6768	1277.34	Shallow WBZ	7.87	1269.47	7.40	1269.94	7.54	1269.80
RW-5S	9863.2271	10330.2425	1277.43	Shallow WBZ	7.85	1269.58	7.93	1269.50	7.89	1269.54
MW-7D*	9773.2593	10174.8524	1277.8	Lower Fine Sand WBZ	14.58	1263.22	13.47	1264.33	9.99	1267.88
MW-8	9559.8089	10127.6898	1277.97	Lower Fine Sand WBZ	13.97	1264.00	13.08	1264.89	10.15	1267.82
MW-11D	9842.3792	10101.1482	1277.85	Lower Fine Sand WBZ	13.21	1264.64	12.43	1265.42	9.96	1267.88
MW-14D	10049.5051	10128.1897	1280.01	Lower Fine Sand WBZ	14.05	1265.06	14.29	1265.72	12.46	1267.55
MW-15D	10045.5611	10255.2055	1279.48	Lower Fine Sand WBZ	14.04	1265.42	13.87	1265.79	12.74	1266.72
MW-16D	10143.9497	10236.6005	1279.05	Lower Fine Sand WBZ	13.28	1265.77	12.98	1266.06	12.47	1266.58
MW-17	9987.8316	9995.5207	1276.7	Lower Fine Sand WBZ	9.49	1269.21	9.88	1268.82	9.74	1269.96
MW-19D	9851.568	10355.9748	1276.21	Lower Fine Sand WBZ	10.11	1266.10	10.12	1266.09	9.96	1266.25
RW-1D	9924.5997	10121.3988	1278.64	Lower Fine Sand WBZ	12.38	1264.26	11.54	1265.10	8.83	1267.72
RW-2D	9893.0619	10167.3168	1278.48	Lower Fine Sand WBZ	26.10	1250.36	23.64	1252.82	8.86	1267.80
MW-7DD*	9770.8547	10176.2698	1277.74	Glacial Till	2.81	1274.93	2.32	1275.42	2.79	1274.95
GP-1S	9954.39*	10203.02*	1278.68	Shallow WBZ	8.61	1270.37	8.20	1270.78	8.92	1270.70
GP-2S	9914.89*	10201.04*	1278.63	Shallow WBZ	8.79	1271.84	6.81	1271.82	6.97	1271.86
GP-2D	9914.91*	10207.84*	1276.7	Lower Fine Sand WBZ	12.37	1264.33	12.02	1266.68	11.23	1267.47
GP-3S	9941.13*	10264.03*	1278.67	Shallow WBZ	8.69	1270.18	8.53	1270.34	9.15	1269.72
GP-3D	9937.38*	10264.53*	1278.77	Lower Fine Sand WBZ	13.28	1265.51	12.85	1265.62	11.53	1267.24
GP-4S	9940.88*	10154.97*	1278.06	Shallow WBZ	7.98	1270.10	8.03	1270.03	8.62	1269.44
GP-4D	9940.85*	10151.57*	1278.08	Lower Fine Sand WBZ	14.07	1264.01	12.41	1265.67	10.30	1267.78
GP-5S	9993.54*	10200.34*	1277.44	Shallow WBZ			8.01	1269.43	8.61	1268.83
GP-5D	9993.55*	10290.21*	1277.37	Lower Fine Sand WBZ			1.50	1275.87	0.68	1276.85
PZ-1S			1277.97	Shallow WBZ	8.05	1269.92	8.08	1269.89	8.87	1269.30
PZ-1D			1277.75	Lower Fine Sand WBZ	11.10	1266.65	10.78	1266.97	10.05	1267.70
PZ-2D			1277.86	Lower Fine Sand WBZ	11.35	1266.51	10.87	1266.99	8.99	1267.87
PZ-3D			1279.02	Lower Fine Sand WBZ	12.08	1266.94	11.77	1267.25	11.28	1267.74
PZ-4D			1278.64	Lower Fine Sand WBZ	12.09	1266.85	11.79	1267.15	11.22	1267.72
PZ-5S			1278.56	Shallow WBZ	5.80	1270.76	5.75	1270.81	8.30	1270.26
PZ-5D			1276.52	Lower Fine Sand WBZ	9.40	1267.12	9.55	1266.67	9.75	1266.77
PZ-8S			1276.77	Shallow WBZ	8.48	1265.29	8.37	1268.4	9.03	1267.74
PZ-8D			1275.57	Lower Fine Sand WBZ	9.67	1266.90	9.54	1267.03	10.05	1266.52
PZ-7D			1275.83	Lower Fine Sand WBZ	9.98	1265.85	10.17	1265.68	10.69	1265.14
PZ-8D			1278.63	Lower Fine Sand WBZ						
PZ-9D			1278.04	Lower Fine Sand WBZ	10.47	1267.57	10.49	1267.55	10.52	1267.52
PZ-10D			1277.58	Lower Fine Sand WBZ	10.70	1266.88	10.79	1266.79	10.85	1266.73
PZ-11D			1276.7	Lower Fine Sand WBZ	10.29	1268.41	10.44	1266.26	10.71	1265.96
TW-01			1279.1	Shallow WBZ	4.85	1274.25	5.41	1273.69	5.48	1273.64
VP-5D			1278.2	Lower Fine Sand WBZ	11.35	1266.85	10.97	1267.23	9.87	1268.33
VP-6S			1276.82	Upper Gravel of LFSWBZ	9.79	1266.83	10.05	1266.57	10.58	1266.04
VP-6D			1276.71	Lower Fine Sand WBZ	10.05	1266.68	10.26	1266.45	10.72	1265.96
VP-7D			1276.87	Lower Fine Sand WBZ	11.56	1267.31	11.78	1267.08	11.47	1267.40
VP-8D			1277.37	Lower Fine Sand WBZ	11.21	1266.16	10.68	1266.68	9.85	1267.45

Groundwater Extraction System Monitoring Data

2001 Water Levels

Essex/Hope Site Remedial Action

Jamestown, New York

Radian Project No. 801419

Well No.	Northing	Easting	Reference Elevation (ft msl)	Screened Zone	June 28, 2001		July 9, 2001		Depth to Water (ft toc)	Groundwater Elevation (ft msl)
					Depth to Water	Groundwater Elevation (ft msl)	Depth to Water	Groundwater Elevation (ft msl)		
MW-1	9758.7161	10383.6499	1280.48	Shallow WBZ	12.77	1267.71	13.07	1267.41		
MW-2	9837.1531	9959.6857	1279.87	Shallow WBZ	Dry		Dry			
MW-4	9792.3277	9900.7631	1281.02	Shallow WBZ	9.13	1271.59	9.35	1271.67		
MW-5	9769.6222	9631.761	1280.82	Shallow WBZ	8.04	1272.78	8.09	1272.73		
MW-6*	9777.1197	10118.6762	1277.88	Shallow WBZ	8.41	1269.57	8.47	1269.51		
MW-7*	9978.6467	10175.6707	1277.73	Shallow WBZ	8.28	1269.47	8.52	1269.21		
MW-10	9932.4702	10185.7078	1277.94	Shallow WBZ	7.29	1270.65	7.62	1270.32		
MW-11*	9937.9912	10101.7018	1277.75	Shallow WBZ	8.32	1269.43	8.50	1269.25		
MW-12	9883.0874	10104.9278	1278.18	Shallow WBZ	8.08	1270.09	8.69	1269.49		
MW-13	9752.0619	10240.2934	1278.12	Shallow WBZ	7.55	1270.57	8.38	1269.74		
MW-14S	10048.7753	10135.5198	1280.25	Shallow WBZ	13.02	1267.23	13.20	1267.05		
MW-15S	10051.8272	10254.4862	1279.55	Shallow WBZ	12.63	1266.92	13.18	1266.37		
MW-16S	10146.7788	10238.8582	1279.32	Shallow WBZ	12.10	1267.22	12.54	1266.78		
MW-18	9994	10465	1275.59	Shallow WBZ	9.48	1266.10	9.88	1265.71		
MW-19S	9656.1454	10358.207	1278.82	Shallow WBZ	9.85	1266.97	10.27	1266.55		
MW-20	9895.0082	10224.2128	1278.64	Shallow WBZ	6.98	1271.68	7.05	1271.59		
HW-1	9874.8053	10078.0259	1281.91	Shallow WBZ	NA	NA	NA	NA		
HW-2	9877.6477	10070.7882	1281.13	Shallow WBZ	NA	NA	NA	NA		
HW-3	9888.163	9857.8007	1283.24	Shallow WBZ	NA	NA	NA	NA		
HW-7	9837.3164	10293.8428	1277.55	Shallow WBZ	5.58	1271.97	5.88	1271.89		
HW-8	9834.664	10312.0885	1277.61	Shallow WBZ	5.83	1271.98	6.12	1271.69		
HW-9	9810.5264	10313.3873	1280.78	Shallow WBZ	9.07	1271.71	9.38	1271.4		
HW-10	9837.2978	9866.7406	1279.55	Shallow WBZ	6.38	1271.19	6.49	1271.08		
SP-10	9815.1848	9977.9909	1279.03	Shallow WBZ	NA	NA	NA	NA		
SP-11	9839.7568	9977.9072	1279.23	Shallow WBZ	NA	NA	NA	NA		
SP-12	9833.1838	9958.7423	1279.68	Shallow WBZ	NA	NA	NA	NA		
SP-13	9819.5008	9958.5764	1279.87	Shallow WBZ	NA	NA	NA	NA		
SP-14	9807.2232	9967.0477	1279.39	Shallow WBZ	NA	NA	NA	NA		
SP-15	9840.6722	10209.4525	1278.65	Shallow WBZ	NA	NA	NA	NA		
SP-16	9840.3119	10250.4484	1277.84	Shallow WBZ	NA	NA	NA	NA		
SP-17	9845.107	10287.9581	1277.58	Shallow WBZ	NA	NA	NA	NA		
SP-18	9855.8421	10323.205	1277.4	Shallow WBZ	NA	NA	NA	NA		
SDO-1	NA	N/A	N/A	Shallow WBZ	NA	NA	NA	NA		
RW-1S	9832.8851	10135.8708	1279.08	Shallow WBZ	10.71	1265.35	10.85	1265.41		
RW-2S*	9883.3801	10151.8403	1279.59	Shallow WBZ	11.55	1265.04	10.80	1265.99		
RW-3S	9838.0594	9990.4502	1279.29	Shallow WBZ	8.47	1269.82	9.51	1268.78		
RW-4S	9838.8053	10221.6766	1273.34	Shallow WBZ	7.61	1269.73	7.55	1269.79		
RW-5S	9883.2271	10330.2425	1277.43	Shallow WBZ	7.84	1269.78	7.51	1269.92		
MW-7D*	9873.2593	10174.8524	1277.8	Lower Fine Sand WBZ	14.12	1263.68	13.46	1264.34		
MW-8	9859.8889	10127.8398	1277.87	Lower Fine Sand WBZ	13.33	1264.64	12.95	1265.02		
MW-11D	9842.3792	10101.1482	1277.85	Lower Fine Sand WBZ	12.60	1265.25	12.38	1265.47		
MW-14D	10049.5051	10129.1897	1280.01	Lower Fine Sand WBZ	14.55	1265.48	14.41	1265.6		
MW-15D	10045.5611	10255.205	1279.48	Lower Fine Sand WBZ	14.01	1265.45	14.03	1265.43		
MW-18D	10143.9487	10238.8005	1279.05	Lower Fine Sand WBZ	13.42	1265.83	13.49	1265.56		
MW-17	9887.8315	9995.5207	1278.7	Lower Fine Sand WBZ	9.86	1268.84	9.95	1268.75		
MW-19D	9851.509	10355.9748	1279.21	Lower Fine Sand WBZ	10.25	1265.98	10.47	1265.74		
RW-1D	9828.5997	10121.3968	1276.64	Lower Fine Sand WBZ	11.75	1264.89	11.47	1265.17		
RW-2D	9883.0619	10167.3168	1279.48	Lower Fine Sand WBZ	31.80	1244.68	29.75	1245.71		
MW-7DD*	9870.8547	10176.2968	1277.74	Glacier Till	2.75	1274.99	2.82	1274.92		
GP-1S	9854.39	10203.02	1278.58	Shallow WBZ	8.58	1270.40	8.99	1269.99		
GP-2S	9814.89	10201.04	1278.63	Shallow WBZ	7.09	1271.54	7.30	1271.33		
GP-2D	9814.91	10207.84	1278.7	Lower Fine Sand WBZ	12.20	1268.50	12.17	1268.53		
GP-3S	9841.13	10264.03	1278.67	Shallow WBZ	8.77	1270.10	9.13	1269.74		
GP-3D	9837.38	10264.53	1278.77	Lower Fine Sand WBZ	13.00	1265.77	12.95	1265.82		
GP-4S	9840.88	10154.97	1278.06	Shallow WBZ	8.36	1269.70	8.41	1269.65		
GP-4D	9840.85	10151.57	1278.08	Lower Fine Sand WBZ	13.47	1264.81	13.02	1265.06		
GP-5S	9993.54	10200.34	1277.44	Shallow WBZ	8.24	1269.20	8.36	1269.08		
GP-5D	9993.55	10200.21	1277.37	Lower Fine Sand WBZ						
PZ-1S				Shallow WBZ	8.42	1269.55	8.52	1269.45		
PZ-1D				Lower Fine Sand WBZ	11.93	1265.77	11.88	1265.89		
PZ-2D				Lower Fine Sand WBZ	11.58	1268.28	11.28	1266.58		
PZ-3D				Lower Fine Sand WBZ	12.09	1268.93	12.14	1266.88		
PZ-4D				Lower Fine Sand WBZ	12.12	1266.82	12.38	1266.56		
PZ-5S				Shallow WBZ	6.32	1270.24	6.62	1269.94		
PZ-5D				Lower Fine Sand WBZ	9.49	1267.03	9.46	1267.06		
PZ-6S				Shallow WBZ	6.73	1268.04	8.95	1267.82		
PZ-6D				Lower Fine Sand WBZ	10.00	1266.57	9.92	1266.65		
PZ-7D				Lower Fine Sand WBZ	10.35	1265.48	10.82	1265.01		
PZ-8D				Lower Fine Sand WBZ						
PZ-9D				Lower Fine Sand WBZ						
PZ-10D				Lower Fine Sand WBZ						
PZ-11D				Lower Fine Sand WBZ						
TW-01				Shallow WBZ	8.14	1272.98	8.25	1272.85		
VP-5D				Lower Fine Sand WBZ	11.08	1267.11	11.07	1267.13		
VP-6S				Upper Gravel of I.FSWBZ	10.07	1266.55	10.48	1266.14		
VP-6D				Lower Fine Sand WBZ	10.28	1266.43	10.69	1266.02		
VP-7D				Lower Fine Sand WBZ	12.21	1266.66	11.85	1267.02		
VP-8D				Lower Fine Sand WBZ	11.94	1266.33	11.03	1266.34		

Comments

WBZ - Water Bearing Zone

* = Estimated Coordinate

MW-5 TOC elev. altered from 1280.91 ft msl to 1280.82 ft msl on May 5, 2000

* Wells resurveyed on 10/11/00 due to uplift of concrete from injection work.

1329 Days of System Operation

1340 Days of System Operation

Days of System Operation

APPENDIX B

LABORATORY CERTIFICATES OF ANALYSIS



Antech Ltd.

One Triangle Lane
Export, PA 15632
Phone: (724)733-1161
Fax: (724)327-7793

July 16, 2001

Mr. Keith Dodrill
Radian International
Twin Towers, Suite 250
4955 Steubenville Pike
Pittsburgh, PA 15205

Dear Mr. Dodrill:

Enclosed are analytical results for samples submitted to Antech Ltd. by Radian International. The samples were received on July 3, 2001. Please reference Antech project number 01-2967 when inquiring about this report.

Client Site: Essex, Jamestown, NY
Client Ref.: 801419.1020

Antech Sample Identification	Client Sample Identification
0107-0163	RW-2D AQ
0107-0164	RW-2S AQ
0107-0165	RW-1S AQ
0107-0166	RW-1D AQ

Antech Sample Identification	Client Sample Identification
0107-0167	RW-3S AQ
0107-0168	RW-4S AQ
0107-0169	RW-5S AQ
0107-0170	Trip Blank

General Comments: None

Please call me if you have any questions regarding the information contained within this report.

Sincerely,


Richard J. Hixson
Project Coordinator

RJH: vlt

Enclosures

Mr. Keith Dodrill
 Radian International
 Twin Towers, Suite 250
 4955 Steubenville Pike
 Pittsburgh, PA 15205

Client Site: Essex, Jamestown, NY
 Client Ref.: 801419.1020

Lab Project ID: 01-2967
 Lab Sample ID: 0107-0163
 Client Sample ID: RW-2D AQ
 Sample Matrix: Aqueous

Date Sampled: 07/02/2001
 Date Received: 07/03/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Benzene	8260B ⁽¹⁾	7.2	1.0	ug/l	REC	07/11/2001	071204-01	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	16	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	4200	250	ug/l	REC	07/11/2001	071204-01	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	27	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Trichloroethene	8260B ⁽¹⁾	270	250	ug/l	REC	07/11/2001	071204-01	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Vinyl chloride	8260B ⁽¹⁾	610	50	ug/l	REC	07/11/2001	071204-01	<2.0
m,p-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0

(Continued)

Lab Sample ID: 0107-0163
Client Sample ID: RW-2D AQ

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
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⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: None

Mr. Keith Dodrill
 Radian International
 Twin Towers, Suite 250
 4955 Steubenville Pike
 Pittsburgh, PA 15205

Client Site: Essex, Jamestown, NY
 Client Ref.: 801419.1020

Lab Project ID: 01-2967
 Lab Sample ID: 0107-0164
 Client Sample ID: RW-2S AQ
 Sample Matrix: Aqueous

Date Sampled: 07/02/2001
 Date Received: 07/03/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	REC	07/11/2001	071204-01	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	400	100	ug/l	REC	07/11/2001	071204-01	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Trichloroethene	8260B ⁽¹⁾	2200	100	ug/l	REC	07/11/2001	071204-01	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Vinyl chloride	8260B ⁽¹⁾	38	2.0	ug/l	REC	07/11/2001	071204-01	<2.0
m,p-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0

(Continued)

Lab Sample ID: 0107-0164
Client Sample ID: RW-2S AQ

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
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⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: None

Mr. Keith Dodrill
 Radian International
 Twin Towers, Suite 250
 4955 Steubenville Pike
 Pittsburgh, PA 15205

Client Site: Essex, Jamestown, NY
 Client Ref.: 801419.1020

Lab Project ID: 01-2967
 Lab Sample ID: 0107-0165
 Client Sample ID: RW-1S AQ
 Sample Matrix: Aqueous

Date Sampled: 07/02/2001
 Date Received: 07/03/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	REC	07/10/2001	071104-11	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	5.7	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	530	100	ug/l	REC	07/11/2001	071204-01	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Trichloroethene	8260B ⁽¹⁾	1500	100	ug/l	REC	07/11/2001	071204-01	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Vinyl chloride	8260B ⁽¹⁾	150	2.0	ug/l	REC	07/10/2001	071104-11	<2.0
m,p-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0

(Continued)

Lab Sample ID: 0107-0165
Client Sample ID: RW-1S AQ

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
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⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: None

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Client Site: Essex, Jamestown, NY
 Client Ref.: 801419.1020

Lab Project ID: 01-2967
 Lab Sample ID: 0107-0166
 Client Sample ID: RW-1D AQ
 Sample Matrix: Aqueous

Date Sampled: 07/02/2001
 Date Received: 07/03/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Benzene	8260B ⁽¹⁾	6.0	1.0	ug/l	REC	07/11/2001	071204-01	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	12	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	1700	100	ug/l	REC	07/11/2001	071204-01	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	12	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Trichloroethene	8260B ⁽¹⁾	14	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Vinyl chloride	8260B ⁽¹⁾	110	2.0	ug/l	REC	07/11/2001	071204-01	<2.0
m,p-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0

(Continued)

Lab Sample ID: 0107-0166
Client Sample ID: RW-1D AQ

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
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⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Sample 07-0166 had the second surrogate low in the initial straight run. Sample was then analyzed at a dilution. The sample was rerun out of an already punctured VOA vial (only two vials provided) to show good surrogate recoveries. The compounds of interest were reported from the initial run. The sample had a pH of 3.

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Client Site: Essex, Jamestown, NY
 Client Ref.: 801419.1020

Lab Project ID: 01-2967
 Lab Sample ID: 0107-0167
 Client Sample ID: RW-3S AQ
 Sample Matrix: Aqueous

Date Sampled: 07/02/2001
 Date Received: 07/03/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Benzene	8260B ⁽¹⁾	35	1.0	ug/l	REC	07/11/2001	071204-01	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Cumene	8260B ⁽¹⁾	38	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Ethylbenzene	8260B ⁽¹⁾	190	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	REC	07/11/2001	071204-01	<2.0
m,p-Xylene	8260B ⁽¹⁾	190	5.0	ug/l	REC	07/11/2001	071204-01	<5.0

(Continued)

Lab Sample ID: 0107-0167
Client Sample ID: RW-3S AQ

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	89	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
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⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: None

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Client Site: Essex, Jamestown, NY
 Client Ref.: 801419.1020

Lab Project ID: 01-2967
 Lab Sample ID: 0107-0168
 Client Sample ID: RW-4S AQ
 Sample Matrix: Aqueous

Date Sampled: 07/02/2001
 Date Received: 07/03/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	18	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Benzene	8260B ⁽¹⁾	26	1.0	ug/l	REC	07/11/2001	071204-01	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
2-Butanone	8260B ⁽¹⁾	6.5	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Cumene	8260B ⁽¹⁾	140	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Ethylbenzene	8260B ⁽¹⁾	9000	1000	ug/l	REC	07/11/2001	071204-01	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	14	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Toluene	8260B ⁽¹⁾	4500	1000	ug/l	REC	07/11/2001	071204-01	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/11/2001	071204-01	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	REC	07/11/2001	071204-01	<2.0
m,p-Xylene	8260B ⁽¹⁾	49000	1000	ug/l	REC	07/11/2001	071204-01	<5.0

(Continued)

Lab Sample ID: 0107-0168
Client Sample ID: RW-4S AQ

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	16000	1000	ug/l	REC	07/11/2001	071204-01	<5.0
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⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Sample 07-0168 had the second surrogate low in the straight run due to high analyte concentrations. The surrogates were reported from the dilution.

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Client Site: Essex, Jamestown, NY
 Client Ref.: 801419.1020

Lab Project ID: 01-2967
 Lab Sample ID: 0107-0169
 Client Sample ID: RW-5S AQ
 Sample Matrix: Aqueous

Date Sampled: 07/02/2001
 Date Received: 07/03/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	REC	07/10/2001	071104-11	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Ethylbenzene	8260B ⁽¹⁾	20	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Toluene	8260B ⁽¹⁾	12	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	REC	07/10/2001	071104-11	<2.0
m,p-Xylene	8260B ⁽¹⁾	220	5.0	ug/l	REC	07/10/2001	071104-11	<5.0

(Continued)

Lab Sample ID: 0107-0169
Client Sample ID: RW-5S AQ

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	11	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
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⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Sample 07-0169 had a pH of 4.

Mr. Keith Dodrill
 Radian International
 Twin Towers, Suite 250
 4955 Steubenville Pike
 Pittsburgh, PA 15205

Client Site: Essex, Jamestown, NY
 Client Ref.: 801419.1020

Lab Project ID: 01-2967
 Lab Sample ID: 0107-0170
 Client Sample ID: Trip Blank
 Sample Matrix: Aqueous

Date Sampled: 07/02/2001
 Date Received: 07/03/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	REC	07/10/2001	071104-11	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	REC	07/10/2001	071104-11	<2.0
m,p-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0

(Continued)

Lab Sample ID: 0107-0170
Client Sample ID: Trip Blank

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
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⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: None



Antech Ltd.

Chain of Custody Record

Project Name: Essex-HopeProject No.: 801419.1010Sampler: John S. Ross
(Printed Name)

Ship To
Antech Ltd
One Triangle Drive
Export, PA 15632
(724) 733-1161
FAX (724) 327-7793

Page 1 of 1

For Laboratory Use Only

Laboratory Project No.: 01-2967Relinquished By: (Signature and Printed Name)
John S. RossDate 7-2-01 Time 1745Received By: (Signature and Printed Name)
FedExDate 7-2-01 Time 1745Relinquished By: (Signature and Printed Name)
fedex

Date _____ Time _____

Received at Lab By: (Signature and Printed Name)
GsmithDate 7-30-01 Time 0945Antech Quote ID No.: Rich HixonAntech Contact Name: Rich HixonClient Purchase Order No: Fed. Ex.Method of Shipment: 8213-B026-4662

Shipment ID: _____

Sample ID Number	Sample Description			Grab	Composite	Circle Bottle Size	Other (Please Specify)
	Date	Time	Description				
7-2-01	1630	RW-2D	AQ				
	1640	RW-2S	AQ				
	1650	RW-1S	AQ				
	1700	RW-2D	AQ				
	1710	RW-3S	AQ				
	1720	RW-4S	AQ				
	1730	RW-5S	AQ				
		Trip Blank				3	

Special Instructions/Comments: _____

Sample Return/Disposal:

- Return to Client
 Disposal by Antech

Results To:

Client Name: Keith Dodrill
 Company: URS Corp
 Address: 4955 Steinbenville Pk. Suite 250
Pittsburgh PA. 15205

Invoice To:

Client Name: _____
 Company: _____
 Address: _____

For Laboratory Use Only:

Sample Condition Upon Receipt/Comments: _____

Was Temperature Vial Sent With Cooler? YES NO Cooler Temperature: 5.2

WHITE - Original COC File

YELLOW - Return with Report

PINK - Project File

GOLD - Client Receipt



Antech Ltd.

One Triangle Lane
Export, PA 15632
Phone: (724)733-1161
Fax: (724)327-7793

May 14, 2001

Mr. Keith Dodrill
Radian International
Twin Towers, Suite 250
4055 Steubenville Pike
Pittsburgh, PA 15205

Dear Mr. Dodrill:

Enclosed are analytical results for samples submitted to Antech Ltd. by Radian International. The samples were received on April 30, 2001. Please reference Antech project number 01-2036 when inquiring about this report.

Client Site: Essex, Jamestown, NY

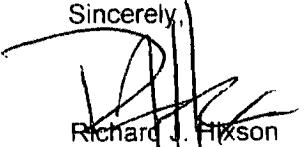
Client Ref.: 801419.1020

Antech Sample Identification	Client Sample Identification
0104-1787	Pre Carb
0104-1788	Post Carb
0104-1792	Trip Blank

General Comments:

Please call me if you have any questions regarding the information contained within this report.

Sincerely,



Richard J. Hixson

Project Coordinator

RJH: lmy

Enclosures

Mr. Keith Dodrill
 Radian International
 Twin Towers, Suite 250
 4055 Steubenville Pike
 Pittsburgh, PA 15205

Client Site: Essex, Jamestown, NY
 Client Ref.: 801419.1020

Lab Project ID: 01-2036
 Lab Sample ID: 0104-1787
 Client Sample ID: Pre Carb
 Sample Matrix: Aqueous

Date Sampled: 04/27/2001
 Date Received: 04/30/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Benzene	8260B ⁽¹⁾	5.5	1.0	ug/l	CEL	05/09/2001	051004-04	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Cumene	8260B ⁽¹⁾	7.7	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	11	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	3400	250	ug/l	CEL	05/09/2001	051404-04	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	14	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Ethylbenzene	8260B ⁽¹⁾	560	50	ug/l	CEL	05/09/2001	051404-04	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Toluene	8260B ⁽¹⁾	360	50	ug/l	CEL	05/09/2001	051404-04	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Trichloroethene	8260B ⁽¹⁾	1300	50	ug/l	CEL	05/09/2001	051404-04	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Vinyl chloride	8260B ⁽¹⁾	490	10	ug/l	CEL	05/09/2001	051404-04	<2.0
m,p-Xylene	8260B ⁽¹⁾	3300	50	ug/l	CEL	05/09/2001	051404-04	<5.0

(Continued)

Lab Sample ID: 0104-1787
Client Sample ID: Pre Carb

Volatiles (Cont.)

c-Xylene	8260B ⁽¹⁾	1100	50	ug/l	CEL	05/09/2001	051404-04	<5.0
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⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: None

Mr. Keith Dodrill
 Radian International
 Twin Towers, Suite 250
 4055 Steubenville Pike
 Pittsburgh, PA 15205

Client Site: Essex, Jamestown, NY
 Client Ref.: 801419.1020

Lab Project ID: 01-2036
 Lab Sample ID: 0104-1788
 Client Sample ID: Post Carb
 Sample Matrix: Aqueous

Date Sampled: 04/27/2001
 Date Received: 04/30/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	5.7	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Benzene	8260B ⁽¹⁾	4.3	1.0	ug/l	CEL	05/09/2001	051004-04	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Cumene	8260B ⁽¹⁾	6.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	7.9	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	3000	250	ug/l	CEL	05/09/2001	051404-04	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	11	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Ethylbenzene	8260B ⁽¹⁾	400	50	ug/l	CEL	05/09/2001	051404-04	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Toluene	8260B ⁽¹⁾	310	50	ug/l	CEL	05/09/2001	051404-04	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Trichloroethene	8260B ⁽¹⁾	920	50	ug/l	CEL	05/09/2001	051404-04	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Vinyl chloride	8260B ⁽¹⁾	360	10	ug/l	CEL	05/09/2001	051404-04	<2.0
m,p-Xylene	8260B ⁽¹⁾	2400	50	ug/l	CEL	05/09/2001	051404-04	<5.0

(Continued)

Lab Sample ID: 0104-1788
Client Sample ID: Post Carb

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	790	50	ug/l	CEL	05/09/2001	051404-04	<5.0
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⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: None

Mr. Keith Dodrill
 Radian International
 Twin Towers, Suite 250
 4055 Steubenville Pike
 Pittsburgh, PA 15205

Client Site: Essex, Jamestown, NY
 Client Ref.: 801419.1020

Lab Project ID: 01-2036
 Lab Sample ID: 0104-1792
 Client Sample ID: Trip Blank
 Sample Matrix: Aqueous

Date Sampled: 04/27/2001
 Date Received: 04/30/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	CEL	05/09/2001	051004-04	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	CEL	05/09/2001	051004-04	<2.0
m,p-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0

(Continued)

Lab Sample ID: 0104-1792
Client Sample ID: Trip Blank

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/09/2001	051004-04	<5.0
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⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: None



**Antech Ltd.
One Triangle Lane
Export, PA 15632
(724) 733-1161**

Radian International
Jamestown, NY
Monthly Analytical Request Form

Sample Submittal Date: 4-27-01

Antech Project No: 01-2036

Sample Collection Date: 4-27-01

Antech Sample No(s): 641787

Cooler Temperature: 51.6°C

1788
1789

Container Type:	
Pre-Carb	
40ml 3 vials/sample (HCl)	<u>1400</u> hrs
Post Carb (1)	
40ml 2 vials/sample (HCl)	<u>1400</u> hrs
Post Carb (2)	
40ml 2 vials/sample (HCl)	<u>1430</u> hrs
Post Carb (4)	
40ml 2 vials/sample (HCl)	<u>1500</u> hrs
Trip Blank	
40ml 3 vials/sample (HCl)	<u>1530</u> hrs

Pre-Carb
8260 Volatile Organics 3

Post Carb (1)
8260 Volatile Organics **Z**

Post Carb (2)

Post Carb (3)

Post Carb (4)

Trip Blank

Temp. Blank +

Samplers John Ross

Miscellaneous Analysis / Special Instructions

Post Carb samples (1-4) should be composited in the laboratory and analyzed and reported as only one sample.

John S. Ross
Relinquished By

Chain of Custody

4-27-01 1600
Date/Time

Relinquished By

Date/Time

Renounced by _____ Date/time _____
826011830780 0200

~~Fed. Express~~
Received By
~~JSR~~ ~~1618 0215~~

Fed. Express
Received By
826011830780 0200



Antech Ltd.

One Triangle Lane
Export, PA 15632
Phone: (724)733-1161
Fax: (724)327-7793

June 1, 2001

Mr. Keith Dodrill
Radian International
Twin Towers, Suite 250
4055 Steubenville Pike
Pittsburgh, PA 15205

Dear Mr. Dodrill:

Enclosed are analytical results for samples submitted to Antech Ltd. by Radian International. The samples were received on May 25, 2001. Please reference Antech project number 01-2421 when inquiring about this report.

Client Site: Essex, Jamestown, NY

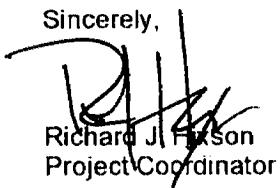
Client Ref.: 801419.1020

Antech Sample Identification	Client Sample Identification
0105-1499	Pre-Carb
0105-1500	Post Carb 1-4 Comp
0105-1501	Trip Blank

General Comments: None

Please call me if you have any questions regarding the information contained within this report.

Sincerely,



Richard J. Husson
Project Coordinator

RJH: vt

Enclosures

Mr. Keith Dodrill
 Radian International
 Twin Towers, Suite 250
 4055 Steubenville Pike
 Pittsburgh, PA 15205

Client Site: Essex, Jamestown, NY
 Client Ref.: 801419.1020

Lab Project ID: 01-2421
 Lab Sample ID: 0105-1499
 Client Sample ID: Pre-Carb
 Sample Matrix: Aqueous

Date Sampled: 05/24/2001
 Date Received: 05/25/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	6.1	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Benzene	8260B ⁽¹⁾	3.8	1.0	ug/l	RJM	05/30/2001	053004-13	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Cumene	8260B ⁽¹⁾	5.5	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	7.9	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	2400	100	ug/l	RJM	05/30/2001	053004-13	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	8.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Ethylbenzene	8260B ⁽¹⁾	330	100	ug/l	RJM	05/30/2001	053004-13	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Toluene	8260B ⁽¹⁾	150	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Trichloroethene	8260B ⁽¹⁾	250	100	ug/l	RJM	05/30/2001	053004-13	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Vinyl chloride	8260B ⁽¹⁾	350	20	ug/l	RJM	05/30/2001	053004-13	<2.0
m,p-Xylene	8260B ⁽¹⁾	2000	100	ug/l	RJM	05/30/2001	053004-13	<5.0

(Continued)

Lab Sample ID: 0105-1499
Client Sample ID: Pre-Carb

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	640	100	ug/l	RJM	05/30/2001	053004-13	<5.0
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(1) U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: The initial analysis was too dilute and was rerun.

Mr. Keith Dodrill
 Radian International
 Twin Towers, Suite 250
 4055 Steubenville Pike
 Pittsburgh, PA 15205

Client Site: Essex, Jamestown, NY
 Client Ref.: 801419.1020

Lab Project ID: 01-2421
 Lab Sample ID: 0105-1500
 Client Sample ID: Post Carb 1-4 Comp
 Sample Matrix: Aqueous

Date Sampled: 05/24/2001
 Date Received: 05/25/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	RJM	05/30/2001	053004-13	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	RJM	05/30/2001	053004-13	<2.0
m,p-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0

(Continued)

Lab Sample ID: 0105-1500
Client Sample ID: Post Carb 1-4 Comp

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	05/30/2001	053004-13	<5.0
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(1) U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: The initial analysis was too dilute was rerun.

Mr. Keith Dodrill
 Radian International
 Twin Towers, Suite 250
 4055 Steubenville Pike
 Pittsburgh, PA 15205

Client Site: Essex, Jamestown, NY
 Client Ref.: 801419.1020

Lab Project ID: 01-2421
 Lab Sample ID: 0105-1501
 Client Sample ID: Trip Blank
 Sample Matrix: Aqueous

Date Sampled: 05/24/2001
 Date Received: 05/25/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	CEL	05/29/2001	052904-10	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	CEL	05/29/2001	052904-10	<2.0
m,p-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0

(Continued)

Lab Sample ID: 0105-1501
Client Sample ID: Trip Blank

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	CEL	05/29/2001	052904-10	<5.0
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(1) U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: None



Antech Ltd.

One Triangle Lane
Export, PA 15632
Phone: (724)733-1161
Fax: (724)327-7793

July 16, 2001

Mr. Keith Dodrill
Radian International
Twin Towers, Suite 250
4955 Steubenville Pike
Pittsburgh, PA 15205

Dear Mr. Dodrill:

Enclosed are analytical results for samples submitted to Antech Ltd. by Radian International. The samples were received on July 2, 2001. Please reference Antech project number 01-2951 when inquiring about this report.

Client Site: Essex, Jamestown, NY

Client Ref.: 801419.1020

Antech Sample Identification	Client Sample Identification
0107-0101	Pre-Carb
0107-0101R	Primary Carb
0107-0102	Post Carb
0107-0103	Trip Blank

General Comments: None

Please call me if you have any questions regarding the information contained within this report.

Sincerely,


Richard J. Hixson
Project Coordinator

RJH: vlt

Enclosures

Mr. Keith Dodrill
 Radian International
 Twin Towers, Suite 250
 4955 Steubenville Pike
 Pittsburgh, PA 15205

Client Site: Essex, Jamestown, NY
 Client Ref.: 801419.1020

Lab Project ID: 01-2951
 Lab Sample ID: 0107-0101
 Client Sample ID: Pre-Carb
 Sample Matrix: Aqueous

Date Sampled: 06/29/2001
 Date Received: 07/02/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	6.6	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Benzene	8260B ⁽¹⁾	4.2	1.0	ug/l	REC	07/10/2001	071104-04	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
1,1-Dichloroethylene	8260B ⁽¹⁾	9.4	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	3800	250	ug/l	REC	07/10/2001	071104-04	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	9.7	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Ethylbenzene	8260B ⁽¹⁾	340	25	ug/l	REC	07/10/2001	071104-04	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Toluene	8260B ⁽¹⁾	180	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Trichloroethene	8260B ⁽¹⁾	880	25	ug/l	REC	07/10/2001	071104-04	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Vinyl chloride	8260B ⁽¹⁾	400	5.0	ug/l	REC	07/10/2001	071104-04	<2.0
m,p-Xylene	8260B ⁽¹⁾	2300	250	ug/l	REC	07/10/2001	071104-04	<5.0

(Continued)

Lab Sample ID: 0107-0101
Client Sample ID: Pre-Carb

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	840	250	ug/l	REC	07/10/2001	071104-04	<5.0
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⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: None

Mr. Keith Dodrill
 Radian International
 Twin Towers, Suite 250
 4955 Steubenville Pike
 Pittsburgh, PA 15205

Client Site: Essex, Jamestown, NY
 Client Ref.: 801419.1020

Lab Project ID: 01-2951
 Lab Sample ID: 0107-0101R
 Client Sample ID: Primary Carb
 Sample Matrix: Aqueous

Date Sampled: 07/02/2001
 Date Received: 07/02/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	REC	07/10/2001	071104-04	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
1,1-Dichloroethylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	17	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
Vinyl chloride	8260B ⁽¹⁾	400	5.0	ug/l	REC	07/11/2001	071204-01	<2.0
m,p-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0

(Continued)

Lab Sample ID: 0107-0101R
Client Sample ID: Primary Carb

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-04	<5.0
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⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: None

Mr. Keith Dodrill
 Radian International
 Twin Towers, Suite 250
 4955 Steubenville Pike
 Pittsburgh, PA 15205

Client Site: Essex, Jamestown, NY
 Client Ref.: 801419.1020

Lab Project ID: 01-2951
 Lab Sample ID: 0107-0102
 Client Sample ID: Post Carb
 Sample Matrix: Aqueous

Date Sampled: 06/29/2001
 Date Received: 07/02/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	REC	07/10/2001	071104-11	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1-Dichloroethylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Tetrachloroethylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Trichloroethylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	REC	07/10/2001	071104-11	<2.0
m,p-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0

(Continued)

Lab Sample ID: 0107-0102

Client Sample ID: Post Carb

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
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⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Sample 07-0102 had a pH of 4.

Mr. Keith Dodrill
 Radian International
 Twin Towers, Suite 250
 4955 Steubenville Pike
 Pittsburgh, PA 15205

Client Site: Essex, Jamestown, NY
 Client Ref.: 801419.1020

Lab Project ID: 01-2951
 Lab Sample ID: 0107-0103
 Client Sample ID: Trip Blank
 Sample Matrix: Aqueous

Date Sampled: 06/29/2001
 Date Received: 07/02/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	REC	07/10/2001	071104-11	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	REC	07/10/2001	071104-11	<2.0
m,p-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0

(Continued)

Lab Sample ID: 0107-0103
Client Sample ID: Trip Blank

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	07/10/2001	071104-11	<5.0
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⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: None



Antech Ltd.

Chain of Custody Record

Project Name: EE&E - HopeProject No.: 801419.101b

Ship To:
Antech Ltd.
One Triangle Drive
Export, PA 15632
(724) 733-1101
FAX (724) 327-7793

Page 1 of 1

For Laboratory Use Only

7/2/01

Laboratory Project No.

Relinquished By (Signature and Printed Name)

John S. Ross John S. Ross

Date 6-29-01 Time 1815Sampler: John S. Ross
(Printed Name)John S. Ross
(Signature)

Relinquished By (Signature and Printed Name)

FEDX

Date Time

Received By: (Signature and Printed Name)

Federal ExpressDate 6-29-01 Time 1815

Received at Lab By: (Signature and Printed Name)

Date 6-29-01 Time 1815

Antech Quote ID No.

Antech Contact Name Rich Hilton

Chem Purchase Order No.

Method of Shipment FEDXShipping ID 8226011830736

Sample ID Number	Sample Description	
Date	Time	Description
Pre-Carts	<u>6-29</u>	<u>1600</u>
Primary Carts	<u>6-29</u>	<u>1600</u>
Post Carts	<u>6-29</u>	<u>1630</u>
Post Carts	<u>6-29</u>	<u>1700</u>
Post Carts	<u>6-29</u>	<u>1730</u>
Trip Blanks		
Temp Blanks		

Sample ID Number	Date	Time	Description	Crab Composite
Pre-Carts	<u>6-29</u>	<u>1600</u>	<u>AQ</u>	X
Primary Carts	<u>6-29</u>	<u>1600</u>		X
Post Carts	<u>6-29</u>	<u>1630</u>		X
Post Carts	<u>6-29</u>	<u>1700</u>		X
Post Carts	<u>6-29</u>	<u>1730</u>		X
Trip Blanks				
Temp Blanks				

Circle	Bottle Size	Other (Please Specify)
	Chromat (500 ml)	Please Check when Monitoring Samples are Collected
	Aurion (250 ml, 500 ml)	<input type="checkbox"/> Residual Chlorine Present
	Zeta-Metals (250 ml, 500 ml)	<input type="checkbox"/> Residual Chlorine Not Present
	Dissolved Metals (250 ml, 500 ml)	
	Crumb (1000 ml)	
	TOC (1.5 ml)	
	TEN (250 ml)	
	Solids (500 ml)	
	Oil & Grease (1000 ml)	
	TPH/C (1000 ml)	
	Bacteriological (125 ml)	
	VOC (40 ml)	
	Organic/Pesticide (1000 ml)	
	Radiological (1000 ml)	
	VOC Sample In Surface (25 ml)	
	Hydrocarbon In Surface (25 ml)	
	VOC Sample (Aqueous, 25 ml)	
	Metabolite Vials (Carry-Over)	
	PET Water in Hanesmer	

Special Instructions/Comments: Combine (4) Four Post-Carts samples into (1) one for analysis

7/2/01

Sample Return/Disposal

- Return to Client
 Disposal by Antech

Results To:

Client Name Keith Dodrill
Company URS Corp.
Address 4955 Steubenville Pike Suite 250
Pittsburgh PA 15205

Invoice To:

Client Name _____
Company _____
Address _____

For Laboratory Use Only:

Sample Condition Upon Receipt/Comments: _____

Was Temperature Vial Sent With Cooler? YES NOCooler Temperature: 10, 1°C CasePINK - Project File GOLD - Client Receipt 6-30-01

WHITE - Original COC File YELLOW - Return with Report