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Construction Services

June 2, 2001

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

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**Subject: 1st 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 1st 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 428,487 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 January 04, 2001, January 30, 2001, March 07, 2001 and March 29, 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 and 2. Additional groundwater level data collected from monitoring points installed as part of the site additional evaluations completed in 2000 were utilized for evaluation of the site groundwater surface contours and are included on the contour maps. The following discussions review the 1st 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 during February 2001 as part of routine well maintenance activities to increase the groundwater yield from these wells.

Shallow Water-Bearing Zone

A water table contour map representing pumping conditions in the upper water-bearing zone on March 7, 2001 is provided as Figure 1. The general configuration of the water table surface is typical of previous conditions under normal site pumping conditions prior to the 4th Quarter of 2000. During the 4th quarter of 2000, the pumping rate was increased to approximately 4 gpm in the deep zone at RW-2D for pilot permeable reactive wall (PRW) evaluations. This resulted in increased leakage from the shallow zone to the deep zone in the NPL Area, a decrease in shallow water table elevations, and an increased cone of depression in the NPL Area. Pumping in the deep zone of the NPL area was decreased to an average of approximately 2.5 gpm during the 1st Quarter. Comparison of the 1st Quarter 2001 and 4th Quarter 2000 shallow groundwater data show the water table has increased approximately 1-foot in elevation in the NPL and UST Areas during the 1st quarter of 2001.

Lower Fine Sand Water-Bearing Zone

The potentiometric surface contour map representing pumping conditions on March 7, 2001 is provided as Figure 2. Due to reduction of the pumping rate from RW-2D described above, the cone of depression within the deep zone decreased with respect to the 4th Quarter 2000 data, with the potentiometric surface approximately 1-foot higher in elevation. No groundwater was pumped from RW-1D, which was shut down in June of 1999 with the approval of the NYSDEC.

WATER QUALITY RESULTS

First Quarter 2001 performance monitoring included quarterly sampling of all recovery wells and monthly influent and effluent sampling of the site pre-treatment system. Recovery Wells RW-1S, -2S, -3S, -4S, -5S and RW-2D were sampled on March 27, 2001. Recovery Well RW-1D was sampled on April 05, 2001; this well was not sampled in March due to a faulty pump controller. The monthly influent samples were collected on January 31, 2001, February 26, 2001 and March 26, 2001. The quarterly recovery well samples and the monthly influent samples were analyzed for volatile organic compounds (VOC's) by US EPA Method 8260B. Ceimic Corporation of Narragansette Roade Island analyzed the January and February 2001 samples. Antech Ltd. of Export, Pennsylvania provided analytical services for the samples collected in March 2001. 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 this quarter. Copies of the laboratory data packages for the quarterly samples and the monthly treatment plant influent samples are found in Appendix B. The following sections discuss the analytical data for each remedial area.

Installation of the Pilot Permeable Reactive Wall (PRW) zero-valent iron injections within the shallow and deep zones surrounding RW-2D and within the deep zone at Building 5 occurred in July and August 2000. The zero-valent iron was injected under pressure into the formations using water and guar as a carrier. Changes in groundwater chemical constituent concentrations within the shallow and deep water-bearing zones of the NPL Area are suspected to be a result of

constituent reaction with the pilot PRW zero-valent iron, potential plume displacement by pilot PRW injection activities and changes in groundwater extraction rates. Evaluation of these processes and resultant chemical constituent effects are currently ongoing as part of the pilot PRW evaluations.

NPL Area – Shallow Zone

Constituents detected in RW-1S during the March sampling round included: TCE (100 ug/L), vinyl chloride (28 ug/L), cis-1,2-DCE (44 ug/L) - all other VOC's were non-detect. Since the installation of the pilot PRW in July 2000, TCE and vinyl chloride concentrations increased at this location as recorded in the August 2000 sampling round. Both compounds have since exhibited a decreasing trend over the past three sampling rounds. Cis-1,2-DCE was not previously analyzed prior to the March 2001 event.

Constituents detected at RW-2S included TCE (1500 ug/L), vinyl chloride (120 ug/L), cis-1,2-DCE (620 ug/L) and trans-1,2-DCE (6.7 ug/L). No other VOC's were detected at this location during this sampling round. Similar to RW-1S with respect to the pilot PRW installation, the analytical trend for VOC concentrations in this well increased after the injection activities followed by a decreasing trend. No previous data is available for evaluation of the cis-1,2-DCE detected in March 2001.

NPL Area – Lower Fine Sand Water Bearing Zone

Constituents detected at RW-1D during this sampling round were 1,1-DCE (10 ug/L), cis-1,2-DCE (1500 ug/L), trans-1,2-DCE (14 ug/L) and benzene (3.7 ug/L); all other VOC's were non-detect. As shown in Table 7, the VOC's continued to exhibit concentration decreases as compared to data collected over the past year. This is the first quarter that cis-1,2-DCE has been added to the constituent list and thus the database does not afford a comparison for this compound.

At RW-2D, the March 2001 sampling episode detected the following compounds: TCE (1100 ug/L), vinyl chloride (530 ug/L), 1,1-DCE (17 ug/L), cis-1,2-DCE (5200 ug/L), trans-1,2-DCE (27 ug/L) and benzene (6.5 ug/L). No other VOC's were detected during this sampling round. A review of the data shows a decrease in the TCE concentration from 4400 ug/L in November 2000 to 1100 ug/L this quarter – this concentration is now at the lowest level since the start of the treatment system in 1997. Evaluation of the data also shows an increase in the vinyl chloride concentration from 120 ug/L last quarter to 530 ug/L this quarter. The other VOC's presented on Table 8 has remained relatively stable over the past year. No earlier data is available for cis-1,2-DCE and therefore no previous comparisons are made.

AST/UST Area

Four VOC constituents were detected in RW-3S in March 2001: isopropylbenzene (17 ug/L), benzene (7.7 ug/L), ethylbenzene (96 ug/L) and xylenes (184 ug/L). Although the total xylenes concentration in this well has increased from 93 ug/L in November 2000 to 184 ug/L this quarter, the overall historical data trend still appears to be decreasing. Furthermore, over the past year, there has been a decreasing trend in the concentrations of isopropylbenzene, benzene, and ethylbenzene. All other VOC results were non-detect. Data for RW-3S is presented in Table 4.

UST Area

VOC's detected at RW-4S (Table 5) included acetone (27 ug/L), isopropylbenzene (150 ug/L), benzene (20 ug/L), toluene (4700 ug/L), ethylbenzene (11,000 ug/L) and xylenes (72,000 ug/L); all other VOC's are non-detect. Recent quarterly data shows a gradual decreasing trend in VOC constituent concentrations at this location. Most notably, the TCE concentration decreased from 770 ug/L in November 2000 to non-detect at <5 ug/L this quarter. Similarly methylene chloride dropped from 1600 ug/L to <5 ug/L over the same timeframe.

Only two VOC constituents were detected in RW-5S during the March 2001 sampling event – ethylbenzene (35 ug/L) and xylenes (186 ug/L) – all other VOC's were non-detect. Review of the historical data over the past year (with the exception of the November 2000 data), the values posted for this quarter are relatively consistent with previous data as shown on Table 6. Note, as reported in the 2000 Annual Report, the November 2000 data for this well is anomalous compared to the historical data and is considered suspect.

Treatment Plant Influent

The waste stream influent and effluent concentrations for the first quarter of 2001 are shown on Table 9. Influent data (Pre-Carb) reflect a composite from all of 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 is discussed as follows.

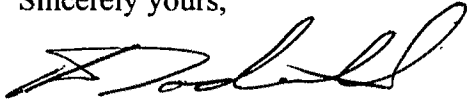
Constituents detected in the influent during the 1st Quarter include: chloromethane, vinyl chloride, acetone, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, 2-butanone, TCE, isopropylbenzene, benzene, toluene, ethylbenzene and xylenes. There was a decreasing trend in the TCE concentration over the quarter, from 2,800 ug/L in January 2001 to 1,100 ug/L in March 2001.

- Both ethylbenzene and xylenes showed increases in concentration over the 1st Quarter with ethylbenzene ranging from 140 to 330 ug/L and xylenes ranging from 1,200 ug/L to 2,920 ug/L. Additionally, the toluene concentration increased from 92 ug/L in January 2001 to 160 ug/L in March 2001. All other VOC parameters remained relatively comparable over the quarter. The March 2001 sampling event was the first to include cis-1,2-DCE as a constituent of concern, so there was no basis for comparison in the database.

CLOSING

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

Table 1
Recovery Well Analytical Results
1st Quarter Sampling
March and April 2001

Volatile Compounds (Method 8260A)	Site GW RAOs (ug/L)	RW-1S Mar-27-01 (ug/L)	RW-1D Apr-05-01 (ug/L)	RW-2S Mar-27-01 (ug/L)	RW-2D Mar-27-01 (ug/L)	RW-3S Mar-27-01 (ug/L)	RW-4S Mar-27-01 (ug/L)	RW-5S Mar-27-01 (ug/L)	Trip Blank Mar-27-01 (ug/L)	Trip Blank Apr-05-01 (ug/L)
Chloromethane	-	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Chloride	5	28	<2	120	530	<2	<2	<2	<2	<2
Methylene Chloride	-	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	-	<5	<5	<5	<5	<5	27	<5	<5	<5
1,1-Dichloroethene	-	<5	10	<5	17	<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	-	44	1500	620	5200	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	5	<5	14	6.7	27	<5	<5	<5	<5	<5
1,1-Dichloroethane	-	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	-	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone	-	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	5	100	<5	1500	1100	<5	<5	<5	<5	<5
Isopropylbenzene	-	<5	N/A	<5	<5	17	150	<5	<5	N/A
Benzene	-	<1	3.7	<1	6.5	7.7	20	<1	<1	<1
Tetrachloroethene	-	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	5	<5	<5	<5	<5	<5	4700	<5	<5	<5
Ethylbenzene	5	<5	<5	<5	<5	96	11000	35	<5	<5
Total Xylenes	5	<5	<5	<5	<5	184	72000	186	<5	<5

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)
Vinyl Chloride	5	240	< 25	< 5	32	110	<5	11 J	20	6	3	1	<1	<5	<1	470 D	320 D	28
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
Acetone	-	10	< 58 ^B	< 10	< 10	<200	<25	<50	< 10	<5	<5	9	<5	<10	<5	15 ^B	<5	<5
1,1-Dichloroethene	-																2.5	<5
cis-1,2-Dichloroethene	-																	44
trans-1,2-Dichloroethene	5	1700	160	< 5	< 5	<100	<5	<25	9	2	2	<1	<1	<5	<1	77	7.2	<5
Chloroform	-		< 25	< 5	< 5	<100	<5	<25	< 5	<1	<1	<1	<1	<5	<1	<1	<1	<5
2-Butanone	-		120	< 10	< 10	<200	<5	<50	< 10	<5	<5	<5	<5	<10	<5	9	<5	<5
Trichloroethene	5	3500	460	< 5	1900 D	12000	910	570	1300	180 D	590	41	37	41	24	150	120	100
Isopropylbenzene	-			< 5	< 5	<100	<5	<25	< 5	<1	<1	<1	<1	<5	<1	14	6.1	<5
Benzene	-		< 25	< 5	< 5	<100	<5	<25	< 5	<1	<1	<1	<1	<5	<1	<1	<1	<1
Toluene	5		< 25	< 5	< 5	<100	<5	<25	< 5	<1	<1	<1	<1	<5	<1	4	1.34	<5
Ethylbenzene	5		< 25	< 5	< 5	<100	<5	<25	< 5	<1	<1	<1	<1	<5	<1	9	2.52	<5
Total Xylenes	5	4	< 25	< 5	< 5	<100	<5	<25	< 5	<1	<1	2	5	<5	<3	78	22	<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 GWRAOs (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)
Vinyl Chloride	5	100/81	< 5	< 250	< 5	< 25	< 1	< 5	6	4	< 10	2	< 1	< 5	< 1	180	470 D	120
Methylene Chloride	-	< 10/< 10	< 13 ^B	880	< 5	30	< 1	2 J	< 5	< 1	36 ^B	< 1	5 ^B	< 5	4 ^B	48 ^B	4 23 ^B	< 5
Acetone	-	< 10/< 10	< 10	< 500	< 10	< 50	< 5	< 10	< 10	< 5	< 50	< 5	< 5	< 10	< 5	65 ^B	< 5	< 5
1,1-Dichloroethene	-																32	< 5
cis-1,2-Dichloroethene	-																	620
trans-1,2-Dichloroethene	5	2200/2600	130	< 250	< 5	< 25	< 1	17	< 5	< 1	< 10	< 1	< 1	< 5	< 1	92	56	6.7
Chloroform	-		< 5	< 250	< 5	< 25	< 1	< 5	< 5	< 1	< 10	< 1	< 1	< 5	< 1	< 2	< 1	< 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
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
Isopropylbenzene	-			< 250	< 5	< 25	< 1	< 5	< 5	< 1	< 10	< 1	< 1	< 5	< 1	2	1.54	< 5
Benzene	-		< 5	< 250	< 5	< 25	< 1	< 5	< 5	< 1	< 10	< 1	< 1	< 5	< 1	< 2	< 1	< 1
Tetrachloroethene	-																2.93	< 5
Toluene	5		< 5	< 250	< 5	< 25	< 1	< 5	< 5	< 1	< 10	< 1	< 1	< 5	< 1	< 2	2.01	< 5
Ethylbenzene	5		< 5	< 250	< 5	< 25	< 1	< 5	< 5	< 1	< 10	3	< 1	< 5	< 1	2	1.34	< 5
Total Xylenes	5	< 10/10	< 5	< 250	< 5	< 25	< 1	< 5	< 5	< 1	< 10	20	2	< 5	< 3	17	13	< 5

Polychlorinated Biphenyls (PCBs) (Method 8080)	Site GWRAOs (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	< 0.10	< 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/< 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.

** 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)
Vinyl Chloride	5	< 1000	< 500	11	<250	<10	<50	< 5	11	<2	<1	<2	<5	<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
Acetone	-	< 2000	< 1000	14	<500	<50	<100	< 10	<5	15	<5	<10	10	18 ^B	<5	<10	<5
trans-1,2-Dichloroethene	5	< 1000	< 500	< 5	<250	<10	<50	< 5	<1	<2	<1	<2	<5	<2	<1	<2	<5
1,1-Dichloroethane	-	<1000	<500	<5	<250	<50	<50	< 5	2	<2	<1	<2	<5	<2	<1	<2	<5
Chloroform	-	< 1000	< 500	< 5	<250	<10	<50	< 5	<1	<2	<1	<2	<5	<2	<1	<2	<5
2-Butanone	-	< 2000	< 1000	< 10	<500	<50	<100	< 10	<5	<10	<5	<10	<10	<10	<5	<10	<5
Trichloroethene	5	< 1000	< 500	< 5	<250	<10	<50	< 5	87 D	<2	<1	2	<10	<2	2	2.66	<5
Isopropylbenzene	-	< 500	160	<250	71	110	24	83	3	34	39	13	47	50	24	17	
Benzene	-	< 1000	< 500	21	<250	15	16 J	9	17	<2	7	11	<5	12	18	11	7.7
Toluene	5	7700	4800	3700 D	1700	430	180	< 250	83	3	15	8	6	6	2	<2	<5
Ethylbenzene	5	1800	740	1100 D	940	510	600	780	490 D	12	140	190	81	180	210 D	120	96
Total Xylenes	5	22000	11000	13000 D	13000	5100	4200 E	20000	3100 D	370	700 D	640	370 D	440	160	93	184

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.
E = Concentration exceeded calibration range of instrument
J = Estimated Concentration
N/A = Not analyzed

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)
Vinyl Chloride	5	< 1000	< 100	< 25	<2500	<100	<500	< 5	<250	<500	<1	<500	<5	<250	<1	<500	<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
Acetone	-	< 3200 ^B	< 200	800	<5000	<500	<1000	58	<1300	<2,500	87	<2500	67	1600 ^B	44 ^B	<2500	27
trans-1,2-Dichloroethene	5	< 1000	< 100	< 25	<2500	<100	<500	< 5	<250	<500	<1	<500	<5	<250	<1	<500	<5
Chloroform	-	< 1000	< 100	< 25	<2500	<100	<500	< 5	<250	<500	<1	<500	<5	<250	<1	<500	<5
1,2-Dichloroethane	-	<1000	<100	<25	<2500	<100	<500	<5	<250	<500	1	<500	<5	<250	<1	<500	<5
2-Butanone	-	< 2000	< 200	82	<5000	<500	<1000	< 10	<1300	<2,500	13	<2500	<10	<1300	<5	<2500	<5
Trichloroethene	5	< 1000	< 100	< 25	<2500	<100	<500	< 5	<250	540	2	<500	<5	<250	2	770	<5
Isopropylbenzene	-		< 100	210	<2500	130	310 J	43	<250	<500	210	<500	130	<250	260 E	<500	150
Benzene	-	< 1000	< 100	26	<2500	<100	<500	6	<250	<500	25	<500	19	<250	27	<500	20
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
Ethylbenzene	5	7,800	650	17,000 D	9,400	8,800	19,000	18,000	11,000	12,000	15,000 D	13000	160	12000	14000 ^D	11000	11000
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	67000 D	87000	81000 DE	74000	72000

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)
Vinyl Chloride	5	< 100	< 100	< 10	<10	<2	<25	< 5	<1	2	<1	<1	<5	<1	<1	<100	<2
Methylene Chloride	-	< 130 ^B	580	< 10	<10	8	<25	34	1	1 ^B	<1	2 ^B	<5	4 ^B	9	340	<5
Acetone	-	< 200	< 200	< 20	<20	<10	33 J	11	<5	<5	<5	<5	<10	<5	16 ^U	<500	<5
trans-1,2-Dichloroethene	5	< 100	< 100	< 10	<10	<2	<25	< 5	<1	<1	<1	<1	<5	<1	<1	<100	<5
Chloroform	-	< 100	< 100	< 10	<10	<2	<25	< 5	<1	<1	<1	<1	<5	<1	<1	<100	<5
2-Butanone	-	< 200	440	< 20	<20	66	69	< 10	<5	<5	<5	<5	<10	<5	<1	<500	<5
1,2-Dichloropropane	-	<100	<100	<10	<10	<2	<25	<5	<1	<5	1	<1	<5	<1	<1	<100	<5
Trichloroethene	5	< 100	< 100	< 10	<10	34	<25	7	<2 ^B	7	<1	<1	<5	<1	<1	<100	<5
Isopropylbenzene	-	< 100	< 100	< 10	<10	6	8 J	11	7	<1	4	3	<5	5	4	170	<5
Benzene	-	< 100	< 100	< 10	<10	<2	<25	< 5	<1	<1	<1	<1	<5	<1	<1	<100	<1
Toluene	5	< 100	< 100	17	15	520	890	320	94	7	16	<1	<5	15	7	6100	<5
Ethylbenzene	5	620	420	35	<10	57	92	120	74	3	53	22	<5	41	29	16000	35
Total Xylenes	5	2000	2300	410	86	520	640	570	330	26	660 D	63	12	82	68	73000 D	186

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)
Chloromethane	-										4	<2	<1	<5	<1	<1	<5
Vinyl Chloride	5	23	29	93	200	200	130	130	140 D	210	120	830 D	450 D	530	25	910 D	<2
Methylene Chloride	-	< 8 ^B	14	< 5	<5	3	2 J	< 5	<1	1 ^B	3	24 ^B	11 ^B	27 ^B	<1	<1	<5
Acetone	-	< 19 ^B	< 10	< 10	37	<5	<10	< 10	<5	<5	<10	<10	14 ^B	<25	4 J ^B	<5	<5
1,1-Dichloroethene	-	<5	<5	<5	<5	<1	<5	<5	3	4	2	54	85	53	11	41	10
cis-1,2-Dichloroethene																	1500
trans-1,2-Dichloroethene	5	26	< 5	< 5	<5	2	2 J	< 5	4	4	16	43	110	84	17	52	14
Chloroform	-	< 5	< 5	< 5	<5	<1	<5	< 5	<1	<1	<2	<2	1	<5	<1	<1	<5
2-Butanone	-	< 10	< 10	< 10	<10	<5	<10	< 10	<5	<5	<10	<10	<5	<25	<5	<5	<5
Trichloroethene	5	< 5	< 5	< 5	<5	<1	3 J	6	<10 ^B	19	<2	38	8	25	16	150	<5
Isopropylbenzene	-		< 5	< 5	<5	<1	<5	< 5	<1	<1	<2	<2	<1	<5	<1	<1	<5
Benzene	-	< 5	< 5	< 5	<5	<1	<5	< 5	2	2	<2	6	23	17	4	14	3.7
Toluene	5	< 5	< 5	< 5	<5	<1	<5	< 5	<1	<1	<2	<2	<1	<5	<1	<1	<5
Ethylbenzene	5	< 5	< 5	< 5	<5	<1	<5	< 5	<1	<1	<2	<2	<1	<5	<1	<1	<5
Total Xylenes	5	< 5	< 5	< 5	<5	<1	<5	< 5	<1	<1	<2	<2	<3	<15	<3	<1	<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)
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
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
Acetone	-	<10	< 90 ^B	< 100	< 10	<500	<130/<130	<250	< 10	<5	<5	<5	<100	<10	120 ^B	<5	<5	<5
1,1-Dichloroethene	-	-	<5	<50	<5	<250	<25	>120	<5	5	6	<1	65	6	<10	12	25	17
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5200
trans-1,2-Dichloroethene	5	200	320 D	< 50	< 5	<250	<25/<25	<120	< 5	5	5	5	94	7	<10	11	19	27
Chloroform	-	-	< 5	< 50	< 5	<250	<25/<25	<120	< 5	<1	<1	<1	<20	<5	<10	<1	<1	<5
2-Butanone	-	-	130	270	< 10	<500	<25/<25	<250	< 10	<5	<5	<5	<100	<10	<50	16	<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
Isopropylbenzene	-	-	< 50	< 5	< 5	<250	<25/<25	<120	< 5	<1	<1	<1	<20	<5	<10	<1	<1	<5
Benzene	-	-	< 5	< 50	< 5	<250	<25/<25	<120	< 5	<1	<1	2	<20	<5	<10	3	4.7	6.5
Tetrachloroethene	-	-	<5	<50	<5	<250	<25	<120	<5	1	1	1	<20	<5	<10	<1	1.04	<5
Toluene	5	-	< 5	< 50	< 5	<250	<25/<25	<120	< 5	<1	<1	<1	<20	<5	<10	<1	<1	<5
Ethylbenzene	5	-	< 5	< 50	< 5	<250	<25/<25	<120	< 5	<1	<1	2	<20	7	<10	<1	<1	<5
Total Xylenes	5	<10	< 5	< 50	< 5	<250	<25/<25	<120	< 5	<2 ^B	2	13	<20	38	<30	<3	1.49	<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

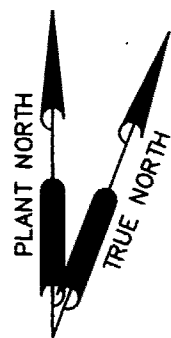
Table 9
POTW Monthly Monitoring Summary
System Influent/Effluent Data
Volatile Organic Compounds

Target Analyte	Pre-carb Jan-01 (ug/L)	Pre-carb Feb-01 (ug/L)	Pre-carb Mar-01 (ug/L)	Pre-carb Apr-01 (ug/L)	Pre-carb May-01 (ug/L)	Pre-carb Jun-01 (ug/L)	Pre-carb Jul-01 (ug/L)	Pre-carb Aug-01 (ug/L)	Pre-carb Sep-01 (ug/L)	Pre-carb Oct-01 (ug/L)	Pre-carb Nov-01 (ug/L)	Pre-carb Dec-01 (ug/L)
Chloromethane	6.15	<250	<5									
Vinyl Chloride	470 ^B	260	370									
Methylene Chloride	<1	<250	<5									
Acetone	3.18	<250	<5									
1,1-Dichloroethene	15	<250	12									
cis-1,2-Dichloroethene			3,900									
trans-1,2-Dichloroethene	14	<250	15									
Chloroform	<1	<250	<5									
2-Butanone	4.87	<250	<5									
Trichloroethene	2800 ^B	1,200	1,100									
Isopropylbenzene	3.43	<250	5.4									
Benzene	4.31	<250	5.4									
Toluene	92	<250	160									
Ethylbenzene	190	140 ^J	330									
Total Xylenes	1300 ^B	1,200	2,920									

Target Analyte	Post-carb Jan-01 (ug/L)	Post-carb Feb-01 (ug/L)	Post-carb Mar-01 (ug/L)	Post-carb Apr-01 (ug/L)	Post-carb May-01 (ug/L)	Post-carb Jun-01 (ug/L)	Post-carb Jul-01 (ug/L)	Post-carb Aug-01 (ug/L)	Post-carb Sep-01 (ug/L)	Post-carb Oct-01 (ug/L)	Post-carb Nov-01 (ug/L)	Post-carb Dec-01 (ug/L)
Chloromethane	<1	<1	<5									
Vinyl Chloride	11	150 ^B	280									
Methylene Chloride	1.44	<1	<5									
Acetone	<1	<1	<5									
1,1-Dichloroethene	<1	<1	<5									
cis-1,2-Dichloroethene			1,900									
trans-1,2-Dichloroethene	<1	<1	5.8									
Chloroform	<1	<1	<5									
2-Butanone	1.40	<1	<5									
Trichloroethene	<1	5.84	490									
Isopropylbenzene	<1	<1	<5									
Benzene	<1	<1	2.1									
Toluene	<1	<1	66									
Ethylbenzene	<1	0.599 ^J	130									
Total Xylenes	<1	4.94	1,290									
Post-carb TOTAL VOCs	13.84	161.38	4,163.9									

Notes:

B = Qualified as non-detect due to blank contamination
D = Analyzed with dilution. see laboratory reports for dilution factor
J = Estimated Concentration

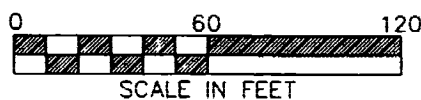
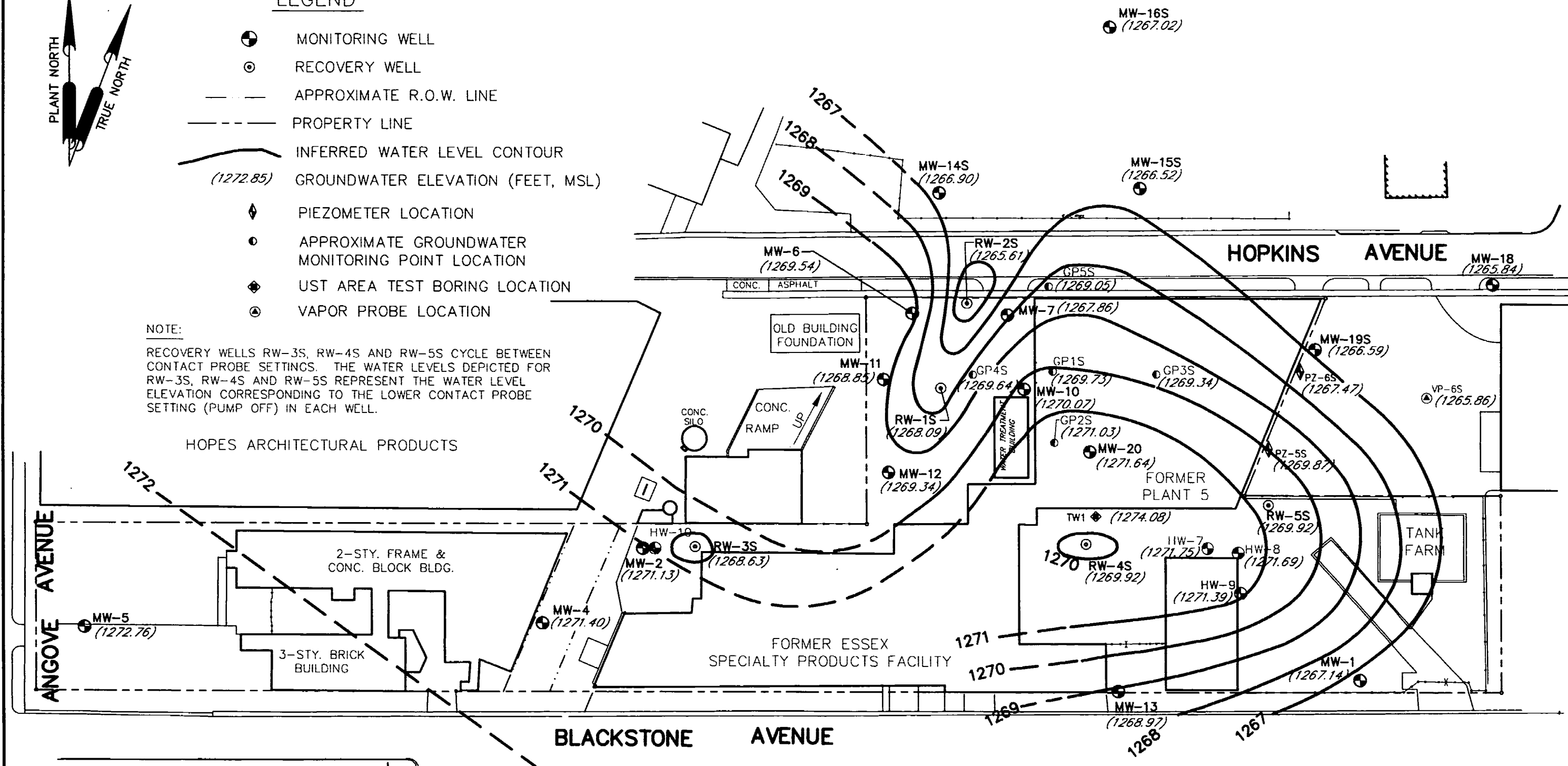


LEGEND

- MONITORING WELL
- RECOVERY WELL
- APPROXIMATE R.O.W. LINE
- PROPERTY LINE
- INFERRED WATER LEVEL CONTOUR
- 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.



URS

WATER TABLE CONTOUR MAP MARCH 7, 2001

ESSEX/HOPE SITE

JAMESTOWN, NY

CLIENT: ESSEX SPECIALTY PRODUCTS, INC.

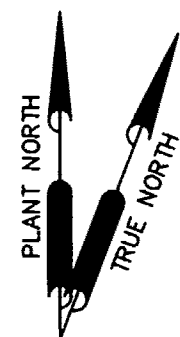
JOB NUMBER: 801419.1010

SCALE: AS SHOWN

FIGURE
NUMBER

1

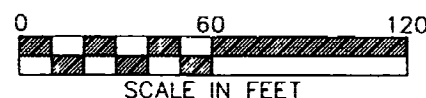
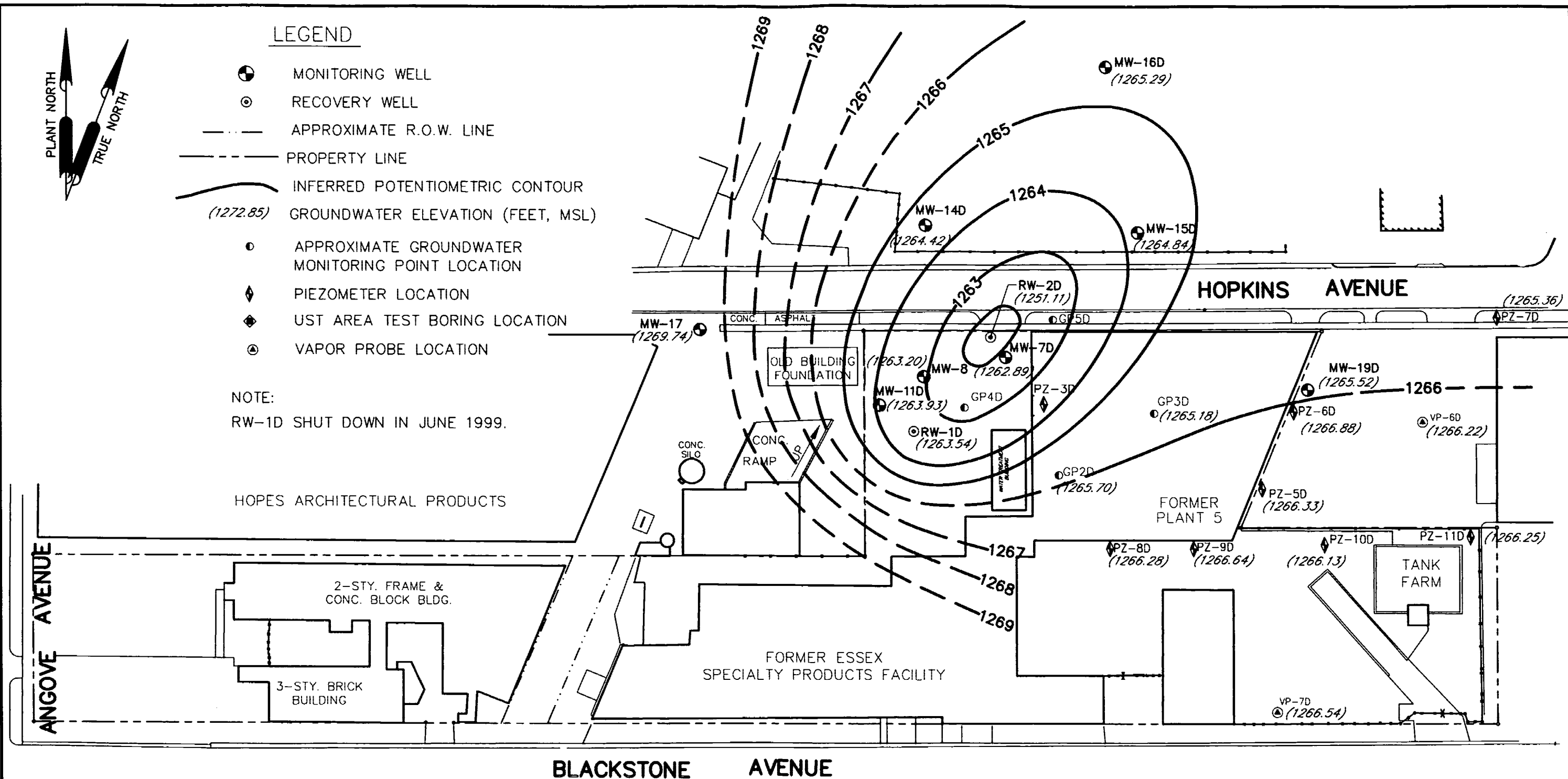
REV
0



LEGEND

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

NOTE:
RW-1D SHUT DOWN IN JUNE 1999.



SCALE IN FEET

URS

POTENTIOMETRIC CONTOUR MAP LOWER FINE SAND WATER BEARING ZONE MARCH 7, 2001

ESSEX/HOPE SITE

JAMESTOWN, NY

CLIENT: ESSEX SPECIALTY PRODUCTS, INC.

JOB NUMBER: 801419.1010

SCALE: AS SHOWN

FIGURE
NUMBER 2

REV
0

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).

FILE: J:\ESSEX-HOP\7138\801419\80141974.DWG

APPENDIX A
WATER LEVEL MEASUREMENT DATA

Groundwater Extraction System Monitoring Data
January and March 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	January 4, 2001		January 30, 2001		March 7, 2001	
					Depth to Water	Groundwater Elevation (ft msl)	Depth to Water	Groundwater Elevation (ft msl)	Depth to Water (ft loc)	Groundwater Elevation (ft msl)
MW-1	9758 7161	10383 6499	1280 48	Shallow WBZ	12 67	1267 81	10 03	1270 45	13 34	1267 14
MW-2	9837 1531	9959 8857	1279 87	Shallow WBZ	Dry	NA	8 32	1271 55	8 74	1271 13
MW-4	9792 3277	9900 7631	1281 02	Shallow WBZ	9 32	1271 70	9 59	1271 43	9 62	1271 4
MW-5	9789 6222	9831 761	1280 82	Shallow WBZ	8 11	1272 71	8 32	1272 5	8 08	1272 76
MW-6*	9977 1197	10118 8762	1277 98	Shallow WBZ	8 43	1269 55	8 08	1269 9	8 44	1269 54
MW-7*	9976 8467	10175 8707	1277 73	Shallow WBZ	8 69	1268 84	9 41	1268 32	9 87	1267 86
MW-10	9932 4702	10165 7078	1277 94	Shallow WBZ	8 07	1269 87	7 92	1270 02	7 87	1270 07
MW-11*	9937 9912	10101 7018	1277 75	Shallow WBZ	NA	NA	10 72	1267 03	8 90	1268 85
MW-12	9883 0874	10104 9278	1278 18	Shallow WBZ	8 65	1269 53	10 28	1267 9	8 84	1269 34
MW-13	9752 0819	10240 2634	1278 12	Shallow WBZ	9 37	1268 75	12 82	1265 3	9 15	1268 97
MW-14S	10048 7753	10135 5198	1280 25	Shallow WBZ	12 16	1268 08	13 88	1268 37	13 35	1268 0
MW-15S	10051 8272	10254 4882	1279 55	Shallow WBZ	13 39	1266 18	13 68	1265 89	13 03	1268 52
MW-16S	10146 7788	10236 8582	1279 32	Shallow WBZ	12 62	1266 70	12 94	1266 38	12 30	1267 02
MW-18	9994	10465	1275 59	Shallow WBZ	9 92	1265 67	10 12	1265 47	9 75	1265 84
MW-19S	9956 1454	10358 207	1276 82	Shallow WBZ	10 29	1266 53	10 56	1266 26	10 23	1266 59
MW-20	9895 0082	10224 2128	1278 64	Shallow WBZ	7 57	1271 07	7 83	1270 71	7 00	1271 64
HW-1	9874 8053	10079 0259	1281 91	Shallow WBZ	NA	NA	NA	NA	NA	NA
HW-2	9877 8477	10079 7882	1281 13	Shallow WBZ	NA	NA	NA	NA	NA	NA
HW-3	9866 183	9957 8007	1283 24	Shallow WBZ	NA	NA	NA	NA	NA	NA
HW-7	9837 3184	10293 8428	1277 55	Shallow WBZ	NA	NA	5 61	1271 94	5 80	1271 75
HW-8	9834 684	10312 0885	1277 81	Shallow WBZ	NA	NA	6 57	1271 24	6 12	1271 69
HW-9	9810 5264	10313 3873	1280 78	Shallow WBZ	NA	NA	9 28	1271 52	9 39	1271 39
HW-10	9837 2978	9988 7406	1279 55	Shallow WBZ	8 91	1270 64	8 15	1271 4		
SP-10	9815 1848	9977 9909	1279 03	Shallow WBZ	NA	NA	NA	NA	NA	NA
SP-11	9839 7586	9977 9072	1279 23	Shallow WBZ	NA	NA	NA	NA	NA	NA
SP-12	9833 1836	9958 7423	1279 68	Shallow WBZ	NA	NA	NA	NA	NA	NA
SP-13	9819 5009	9958 5784	1279 87	Shallow WBZ	NA	NA	NA	NA	NA	NA
SP-14	9807 2232	9967 0477	1279 39	Shallow WBZ	NA	NA	NA	NA	NA	NA
SP-15	9840 8722	10209 4525	1278 85	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 58	Shallow WBZ	NA	NA	NA	NA	NA	NA
SP-18	9855 8421	10323 265	1277 4	Shallow WBZ	NA	NA	NA	NA	NA	NA
SDO-1	N/A	N/A	N/A	Shallow WBZ	NA	NA	NA	NA	NA	NA
RW-1S	9932 8951	10135 8706	1278 06	Shallow WBZ	6 39	1269 87	11 21	1264 85	7 97	1268 09
RW-2S*	9983 3801	10151 6403	1278 59	Shallow WBZ	NA	NA	12 81	1263 78	10 98	1265 61
RW-3S	9838 0564	9990 4502	1278 29	Shallow WBZ	7 64	1270 65	8 19	1270 1	9 69	1268 63
RW-4S	9839 8053	10221 6768	1277 34	Shallow WBZ	5 95	1271 39	7 29	1270 05	7 42	1269 92
RW-5S	9863 2271	10330 2425	1277 43	Shallow WBZ	6 35	1271 08	7 81	1269 82	7 51	1269 82
MW-7D*	9973 2593	10174 8524	1277 8	Lower Fine Sand WBZ	9 73	1268 07	16 18	1261 64	15 41	1262 30
MW-8	9959 8089	10127 8898	1277 97	Lower Fine Sand WBZ	9 84	1268 13	17 16	1260 81	14 77	1263 2
MW-11D	9942 3792	10101 1482	1277 85	Lower Fine Sand WBZ	NA	NA	14 37	1263 45	13 92	1263 93
MW-14D	10049 5051	10129 1897	1280 01	Lower Fine Sand WBZ	12 21	1267 80	16 17	1263 84	15 59	1264 42
MW-15D	10045 5811	10255 205	1279 46	Lower Fine Sand WBZ	12 39	1267 07	15 08	1264 39	14 62	1264 84
MW-16D	10143 9497	10236 6005	1279 05	Lower Fine Sand WBZ	12 18	1268 89	14 27	1264 79	13 78	1265 29
MW-17	9987 8315	9995 5207	1278 7	Lower Fine Sand WBZ	10 12	1268 58	10 14	1268 58	8 98	1269 74
MW-19D	9951 569	10355 9748	1278 21	Lower Fine Sand WBZ	9 64	1268 57	10 87	1265 34	10 69	1265 52
RW-1D	9928 5997	10121 3988	1278 64	Lower Fine Sand WBZ	8 45	1268 19	13 82	1263 02	13 10	1263 54
RW-2D	9983 0818	10187 3168	1278 46	Lower Fine Sand WBZ	8 78	1267 68	25 79	1250 67	25 35	1251 11
MW-70D*	9970 8547	10176 2898	1277 74	Glacial Till	3 02	1274 72	2 89	1274 85	2 81	1274 93
GP-1S	9954 39*	10203 02*	1278 98	Shallow WBZ	9 51	1269 47	10 43	1268 55	9 25	1269 73
GP-2S	9914 89*	10201 04*	1278 63	Shallow WBZ	8 00	1270 63	8 21	1270 42	7 60	1271 03
GP-2D	9914 91*	10207 84*	1278 7	Lower Fine Sand WBZ	10 72	1267 98	13 43	1265 27	13 06	1265 7
GP-3S	9941 13*	10264 03*	1278 87	Shallow WBZ	10 03	1268 84	10 74	1268 13	9 53	1269 34
GP-3D	9937 38*	10264 53*	1278 77	Lower Fine Sand WBZ	11 14	1267 63	13 81	1264 98	13 58	1265 18
GP-4S	9940 86*	10154 97*	1278 06	Shallow WBZ	8 44	1269 62	8 56	1269 5	8 42	1269 64
GP-4D	9940 85*	10151 57*	1278 08	Lower Fine Sand WBZ	9 95	1268 13	16 01	1262 07	13 18	1264 9
GP-5S	9993 54*	10200 34*	1277 44	Shallow WBZ	8 89	1268 75	9 21	1268 23	8 39	1269 05
GP-5D	9993 55*	10290 21*	1277 37	Lower Fine Sand WBZ	8 25	1269 12	2 02	1273 35		
PZ-1S			1277 97	Shallow WBZ	5 58	1269 38	9 31	1268 66	8 60	1269 37
PZ-2D			1277 75	Lower Fine Sand WBZ	9 51	1268 24	12 97	1264 76	12 10	1265 85
PZ-2D			1277 86	Lower Fine Sand WBZ	7 00	1270 88	14 23	1263 63	12 20	1265 68
PZ-3D			1279 02	Lower Fine Sand WBZ	4 39	1274 63	13 43	1265 59	13 44	1265 58
PZ-4D			1278 94	Lower Fine Sand WBZ	10 84	1268 10	12 98	1265 98	12 95	1265 99
PZ-5S			1276 58	Shallow WBZ	7 27	1269 29	7 51	1269 05	6 69	1269 87
PZ-5D			1276 52	Lower Fine Sand WBZ	9 19	1267 33	9 89	1266 63	10 19	1268 33
PZ-6S			1276 77	Shallow WBZ	9 19	1267 58	9 36	1267 41	9 30	1267 47
PZ-6D			1276 57	Lower Fine Sand WBZ	10 11	1268 46	10 41	1268 16	9 69	1268 88
PZ-7D			1275 83	Lower Fine Sand WBZ	10 19	1265 64	10 79	1265 04	10 47	1265 36
PZ-8D			1278 63	Lower Fine Sand WBZ	10 18	1266 45	11 16	1267 47	12 35	1266 28
PZ-9D			1278 04	Lower Fine Sand WBZ	10 22	1267 82	11 25	1266 79	11 40	1266 64
PZ-10D			1277 58	Lower Fine Sand WBZ	10 48	1267 09	11 29	1266 29	11 45	1266 13
PZ-11D			1276 7	Lower Fine Sand WBZ	10 24	1266 46	11 04	1265 58	10 45	1266 25
TW-01			1279 1	Shallow WBZ	5 23	1273 87	4 89	1274 21	5 02	1274 08
VP-5D			1278 2	Lower Fine Sand WBZ	9 63	1268 57	12 42	1265 78	11 94	1266 26
VP-6S			1278 62	Upper Gravel of LFSWBZ	10 38	1266 26	10 65	1265 97	10 76	1265 86
VP-6D			1276 71	Lower Fine Sand WBZ	10 51	1266 20	8 98	1267 73	10 49	1266 22
VP-7D			1278 87	Lower Fine Sand WBZ	11 19	1267 68	11 79	1267 08	12 33	1266 54
VP-8D			1277 37	Lower Fine Sand WBZ	9 47	1267 90	13 38	1263 98	11 99	1255 38
Comments					1154 Days of System Operation		1180 Days of System Operation		1216 Days of System Operation	
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										

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 29, 2001	
					Depth to Water	Groundwater Elevation (ft msl)
MW-1	9758.7161	10383.6499	1280.48	Shallow WBZ	12.68	1267.82
MW-2	9837.1531	9959.6857	1279.87	Shallow WBZ	Dry	
MW-4	9782.3277	9900.7631	1281.02	Shallow WBZ	9.19	1271.83
MW-5	9769.6222	9831.761	1280.82	Shallow WBZ	7.99	1272.83
MW-6*	9977.1197	10118.8782	1277.98	Shallow WBZ	8.03	1269.95
MW-7*	9976.6467	10175.6797	1277.73	Shallow WBZ	8.91	1268.82
MW-10	9932.4702	10185.7078	1277.94	Shallow WBZ	7.05	1270.99
MW-11*	9937.9912	10101.7018	1277.75	Shallow WBZ	7.88	1269.87
MW-12	9883.0874	10104.9278	1278.18	Shallow WBZ	7.47	1270.71
MW-13	9752.0619	10240.2934	1278.12	Shallow WBZ	7.55	1270.57
MW-14S	10048.7753	10135.5198	1280.25	Shallow WBZ	12.70	1267.55
MW-15S	10051.8272	10254.4882	1279.55	Shallow WBZ	12.21	1267.34
MW-16S	10148.7788	10236.8582	1279.32	Shallow WBZ	11.73	1267.59
MW-18	9994	10465	1275.59	Shallow WBZ	8.92	1266.67
MW-19S	9956.1454	10358.207	1276.82	Shallow WBZ	9.54	1267.28
MW-20	9895.0082	10224.2128	1276.64	Shallow WBZ	8.42	1272.22
HW-1	9874.8053	10079.0259	1281.91	Shallow WBZ	NA	NA
HW-2	9977.6477	10079.7882	1281.13	Shallow WBZ	NA	NA
HW-3	9886.183	9957.5007	1283.24	Shallow WBZ	NA	NA
HW-7	9837.3184	10293.8428	1277.55	Shallow WBZ	5.10	1272.45
HW-8	9834.684	10312.0885	1277.81	Shallow WBZ	5.41	1272.40
HW-9	9810.5284	10313.3873	1280.78	Shallow WBZ	8.81	1272.17
HW-10	9837.2978	9969.7406	1279.55	Shallow WBZ	8.22	1271.33
SP-10	9815.1848	9877.9909	1279.03	Shallow WBZ	NA	NA
SP-11	9839.7566	9977.9072	1279.23	Shallow WBZ	NA	NA
SP-12	9833.1838	9958.7423	1279.68	Shallow WBZ	NA	NA
SP-13	9818.5009	9958.5764	1279.87	Shallow WBZ	NA	NA
SP-14	9507.2232	9967.0477	1279.39	Shallow WBZ	NA	NA
SP-15	9840.6722	10209.4525	1278.65	Shallow WBZ	NA	NA
SP-16	9840.3119	10250.4484	1277.84	Shallow WBZ	NA	NA
SP-17	9845.107	10287.9591	1277.58	Shallow WBZ	NA	NA
SP-18	9855.8421	10323.285	1277.4	Shallow WBZ	NA	NA
SDO-1	N/A	N/A	N/A	Shallow WBZ	NA	NA
RW-1S	9932.8951	10135.8706	1276.06	Shallow WBZ	7.50	1268.56
RW-2S*	9983.3801	10151.6403	1276.59	Shallow WBZ	9.44	1267.15
RW-3S	9836.0594	9990.4502	1278.29	Shallow WBZ	8.40	1269.89
RW-4S	9839.8053	10221.6760	1277.34	Shallow WBZ	7.87	1269.47
RW-5S	9883.2271	10330.2425	1277.43	Shallow WBZ	7.85	1269.58
MW-7D*	9973.2593	10174.8524	1277.6	Lower Fine Sand WBZ	14.58	1263.22
MW-8	9959.6089	10127.8898	1277.97	Lower Fine Sand WBZ	13.97	1264.00
MW-11D	9942.3702	10101.1482	1277.85	Lower Fine Sand WBZ	13.21	1264.64
MW-14D	10049.5051	10129.1897	1280.01	Lower Fine Sand WBZ	14.95	1265.08
MW-15D	10045.5811	10255.205	1279.48	Lower Fine Sand WBZ	14.04	1265.42
MW-18D	10143.9497	10236.8005	1279.05	Lower Fine Sand WBZ	13.28	1265.77
MW-17	9987.6315	9995.5207	1278.7	Lower Fine Sand WBZ	9.49	1269.21
MW-19D	9951.589	10355.9748	1276.21	Lower Fine Sand WBZ	10.11	1268.10
RW-1D	9928.5997	10121.3965	1276.64	Lower Fine Sand WBZ	12.38	1264.28
RW-2D	9983.0619	10167.3168	1276.46	Lower Fine Sand WBZ	26.10	1250.36
MW-7DD*	9870.8547	10178.2598	1277.74	Glacial Till	2.81	1274.93
GP-1S	9854.39*	10203.02*	1278.98	Shallow WBZ	8.81	1270.37
GP-2S	9914.89*	10201.04*	1278.63	Shallow WBZ	6.79	1271.84
GP-2D	9914.91*	10207.84*	1278.7	Lower Fine Sand WBZ	12.37	1266.33
GP-3S	9841.13*	10264.03*	1278.87	Shallow WBZ	8.89	1270.18
GP-3D	9837.38*	10264.53*	1278.77	Lower Fine Sand WBZ	13.28	1265.51
GP-4S	9940.86*	10154.97*	1278.06	Shallow WBZ	7.98	1270.10
GP-4D	9940.85*	10151.57*	1278.08	Lower Fine Sand WBZ	14.07	1264.01
GP-5S	9993.54*	10200.34*	1277.44	Shallow WBZ		
GP-5D	9993.55*	10290.21*	1277.37	Lower Fine Sand WBZ		
PZ-1S			1277.97	Shallow WBZ	8.05	1269.92
PZ-1D			1277.75	Lower Fine Sand WBZ	11.10	1268.65
PZ-2D			1277.86	Lower Fine Sand WBZ	11.35	1268.51
PZ-3D			1279.02	Lower Fine Sand WBZ	12.08	1268.94
PZ-4D			1279.94	Lower Fine Sand WBZ	12.09	1268.85
PZ-5S			1278.56	Shallow WBZ	5.80	1270.76
PZ-5D			1279.52	Lower Fine Sand WBZ	9.40	1267.12
PZ-6S			1276.77	Shallow WBZ	5.48	1268.29
PZ-6D			1276.57	Lower Fine Sand WBZ	9.67	1266.90
PZ-7D			1275.83	Lower Fine Sand WBZ	9.98	1265.85
PZ-8D			1278.63	Lower Fine Sand WBZ		
PZ-9D			1278.04	Lower Fine Sand WBZ	10.47	1267.57
PZ-10D			1277.58	Lower Fine Sand WBZ	10.70	1266.88
PZ-11D			1276.7	Lower Fine Sand WBZ	10.29	1266.41
TW-01			1279.1	Shallow WBZ	4.85	1274.25
VP-5D			1278.2	Lower Fine Sand WBZ	11.35	1266.85
VP-6S			1276.62	Upper Gravel of LFSWBZ	9.79	1266.83
VP-6D			1276.71	Lower Fine Sand WBZ	10.05	1266.66
VP-7D			1278.87	Lower Fine Sand WBZ	11.58	1267.31
VP-8D			1277.37	Lower Fine Sand WBZ	11.21	1266.16
Comments					1238 Days of System Operation	
WBZ - Water Bearing Zone						
* = Estimated Coordinate						
MW-5 TCC 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.						

APPENDIX B

LABORATORY CERTIFICATES OF ANALYSIS

**CEIMIC
Corporation**

"Analytical Chemistry for Environmental Management"

February 22, 2001

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

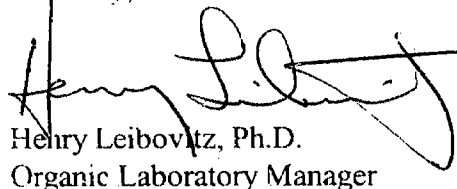
Dear Mr. Dodrill:

Enclosed are the results for the analyses performed in support of the URS Project Jamestown, NY Essex/Hope, Case No. 801419, SDG No. 013101. The 3 aqueous samples were taken from the field on January 31, 2001 and received at Ceimic Corporation on February 1, 2001.

These samples are reported under the Ceimic Project Number 010075, which can be referenced when inquiring about this project.

If you have any questions or concerns regarding this data, please call me at the telephone number listed below.

Sincerely,



Henry Leibovitz, Ph.D.
Organic Laboratory Manager

HL/klw

Enclosures

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

URS SAMPLE NO.

PRE-CARB
1/31/01

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419

SAS No.:

SDG No.: 013101

Matrix: (soil/water) WATER

Lab Sample ID: 010075-01A

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF533

Level: (low/med) LOW

Date Received: 02/01/01

% Moisture: not dec. _____

Date Analyzed: 02/22/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

74-87-3-----	Chloromethane	6.15	
75-01-4-----	Vinyl Chloride	490	E
74-83-9-----	Bromomethane	1.00	U
75-00-3-----	Chloroethane	1.00	U
75-69-4-----	Trichlorofluoromethane	1.00	U
67-64-1-----	Acetone	3.18	
75-35-4-----	1,1-Dichloroethene	15	
75-09-2-----	Methylene Chloride	1.00	U
156-60-5-----	trans-1,2-Dichloroethene	14	
75-34-3-----	1,1-Dichloroethane	1.00	U
78-93-3-----	2-Butanone	4.87	
67-66-3-----	Chloroform	1.00	U
71-55-6-----	1,1,1-Trichloroethane	1.00	U
56-23-5-----	Carbon Tetrachloride	1.00	U
107-06-2-----	1,2-Dichloroethane	1.00	U
71-43-2-----	Benzene	4.31	
79-01-6-----	Trichloroethene	820	E
78-87-5-----	1,2-Dichloropropane	1.00	U
75-27-4-----	Bromodichloromethane	1.00	U
10061-01-5-----	cis-1,3-Dichloropropene	1.00	U
108-88-3-----	Toluene	92	
10061-02-6-----	trans-1,3-Dichloropropene	1.00	U
79-00-5-----	1,1,2-Trichloroethane	1.00	U
127-18-4-----	Tetrachloroethene	1.00	U
124-48-1-----	Dibromochloromethane	1.00	U
108-90-7-----	Chlorobenzene	1.00	U
100-41-4-----	Ethylbenzene	190	
1330-20-7-----	Xylenes (total)	740	E
108-38-3-----	m,p-Xylenes	480	E
95-47-6-----	o-Xylene	260	E
75-25-2-----	Bromoform	1.00	U
98-82-8-----	Isopropylbenzene	3.43	
79-34-5-----	1,1,2,2-Tetrachloroethane	1.00	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

URS SAMPLE NO.

PRE-CARB
1/31/01

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419 SAS No.:

SDG No.: 013101

Matrix: (soil/water) WATER

Lab Sample ID: 010075-01A

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF533

Level: (low/med) LOW

Date Received: 02/01/01

% Moisture: not dec. _____

Date Analyzed: 02/22/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

541-73-1-----	1,3-Dichlorobenzene	1.00	U
106-46-7-----	1,4-Dichlorobenzene	1.00	U
95-50-1-----	1,2-Dichlorobenzene	1.00	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

URS SAMPLE NO.

PRE-CARBDL

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419

SAS No.:

SDG No.: 013101

Matrix: (soil/water) WATER

Lab Sample ID: 010075-01ADL

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF536

Level: (low/med) LOW

Date Received: 02/01/01

% Moisture: not dec. _____

Date Analyzed: 02/22/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 50.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	50	U
75-01-4-----	Vinyl Chloride	470	D
74-83-9-----	Bromomethane	50	U
75-00-3-----	Chloroethane	50	U
75-69-4-----	Trichlorofluoromethane	50	U
67-64-1-----	Acetone	50	U
75-35-4-----	1,1-Dichloroethene	50	U
75-09-2-----	Methylene Chloride	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
75-34-3-----	1,1-Dichloroethane	50	U
78-93-3-----	2-Butanone	50	U
67-66-3-----	Chloroform	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
56-23-5-----	Carbon Tetrachloride	50	U
107-06-2-----	1,2-Dichloroethane	50	U
71-43-2-----	Benzene	50	U
79-01-6-----	Trichloroethene	2800	D
78-87-5-----	1,2-Dichloropropane	50	U
75-27-4-----	Bromodichloromethane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	95	D
10061-02-6-----	trans-1,3-Dichloropropene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
127-18-4-----	Tetrachloroethene	50	U
124-48-1-----	Dibromochloromethane	50	U
108-90-7-----	Chlorobenzene	50	U
100-41-4-----	Ethylbenzene	190	D
1330-20-7-----	Xylenes (total)	1300	D
108-38-3-----	m,p-Xylenes	970	D
95-47-6-----	o-Xylene	330	D
75-25-2-----	Bromoform	50	U
98-82-8-----	Isopropylbenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

URS SAMPLE NO.

PRE-CARBDL

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419 SAS No.:

SDG No.: 013101

Matrix: (soil/water) WATER

Lab Sample ID: 010075-01ADL

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF536

Level: (low/med) LOW

Date Received: 02/01/01

% Moisture: not dec. _____

Date Analyzed: 02/22/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 50.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

URS SAMPLE NO.

POST-CARE

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419 SAS No.:

SDG No.: 013101

Matrix: (soil/water) WATER

Lab Sample ID: 010075-02A

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF532

Level: (low/med) LOW

Date Received: 02/01/01

% Moisture: not dec. _____

Date Analyzed: 02/22/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

74-87-3-----	Chloromethane	1.00	U
75-01-4-----	Vinyl Chloride	11	
74-83-9-----	Bromomethane	1.00	U
75-00-3-----	Chloroethane	1.00	U
75-69-4-----	Trichlorofluoromethane	1.00	U
67-64-1-----	Acetone	1.00	U
75-35-4-----	1,1-Dichloroethene	1.00	U
75-09-2-----	Methylene Chloride	1.44	
156-60-5-----	trans-1,2-Dichloroethene	1.00	U
75-34-3-----	1,1-Dichloroethane	1.00	U
78-93-3-----	2-Butanone	1.40	
67-66-3-----	Chloroform	1.00	U
71-55-6-----	1,1,1-Trichloroethane	1.00	U
56-23-5-----	Carbon Tetrachloride	1.00	U
107-06-2-----	1,2-Dichloroethane	1.00	U
71-43-2-----	Benzene	1.00	U
79-01-6-----	Trichloroethene	1.00	U
78-87-5-----	1,2-Dichloropropane	1.00	U
75-27-4-----	Bromodichloromethane	1.00	U
10061-01-5-----	cis-1,3-Dichloropropene	1.00	U
108-88-3-----	Toluene	1.00	U
10061-02-6-----	trans-1,3-Dichloropropene	1.00	U
79-00-5-----	1,1,2-Trichloroethane	1.00	U
127-18-4-----	Tetrachloroethene	1.00	U
124-48-1-----	Dibromochloromethane	1.00	U
108-90-7-----	Chlorobenzene	1.00	U
100-41-4-----	Ethylbenzene	1.00	U
1330-20-7-----	Xylenes (total)	1.00	U
108-38-3-----	m,p-Xylenes	1.00	U
95-47-6-----	o-Xylene	1.00	U
75-25-2-----	Bromoform	1.00	U
98-82-8-----	Isopropylbenzene	1.00	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1.00	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

URS SAMPLE NO.

POST-CARB

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419 SAS No.:

SDG No.: 013101

Matrix: (soil/water) WATER

Lab Sample ID: 010075-02A

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF532

Level: (low/med) LOW

Date Received: 02/01/01

% Moisture: not dec. _____

Date Analyzed: 02/22/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

541-73-1-----	1,3-Dichlorobenzene	1.00	U
106-46-7-----	1,4-Dichlorobenzene	1.00	U
95-50-1-----	1,2-Dichlorobenzene	1.00	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

URS SAMPLE NO.

TRIP BLANK

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419

SAS No.:

SDG No.: 013101

Matrix: (soil/water) WATER

Lab Sample ID: 010075-03A

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF531

Level: (low/med) LOW

Date Received: 02/01/01

% Moisture: not dec. _____

Date Analyzed: 02/22/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

74-87-3-----	Chloromethane	1.00	U
75-01-4-----	Vinyl Chloride	1.00	U
74-83-9-----	Bromomethane	1.00	U
75-00-3-----	Chloroethane	1.00	U
75-69-4-----	Trichlorofluoromethane	1.00	U
67-64-1-----	Acetone	1.00	U
75-35-4-----	1,1-Dichloroethene	1.00	U
75-09-2-----	Methylene Chloride	1.00	U
156-60-5-----	trans-1,2-Dichloroethene	1.00	U
75-34-3-----	1,1-Dichloroethane	1.00	U
78-93-3-----	2-Butanone	1.00	U
67-66-3-----	Chloroform	1.00	U
71-55-6-----	1,1,1-Trichloroethane	1.00	U
56-23-5-----	Carbon Tetrachloride	1.00	U
107-06-2-----	1,2-Dichloroethane	1.00	U
71-43-2-----	Benzene	1.00	U
79-01-6-----	Trichloroethene	1.00	U
78-87-5-----	1,2-Dichloropropane	1.00	U
75-27-4-----	Bromodichloromethane	1.00	U
10061-01-5-----	cis-1,3-Dichloropropene	1.00	U
108-88-3-----	Toluene	1.00	U
10061-02-6-----	trans-1,3-Dichloropropene	1.00	U
79-00-5-----	1,1,2-Trichloroethane	1.00	U
127-18-4-----	Tetrachloroethene	1.00	U
124-48-1-----	Dibromochloromethane	1.00	U
108-90-7-----	Chlorobenzene	1.00	U
100-41-4-----	Ethylbenzene	1.00	U
1330-20-7-----	Xylenes (total)	1.00	U
108-38-3-----	m,p-Xylenes	1.00	U
95-47-6-----	o-Xylene	1.00	U
75-25-2-----	Bromoform	1.00	U
98-82-8-----	Isopropylbenzene	1.00	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1.00	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

URS SAMPLE NO.

TRIP BLANK

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC Case No.: 801419 SAS No.: SDG No.: 013101

Matrix: (soil/water) WATER Lab Sample ID: 010075-03A

Sample wt/vol: 20.00 (g/mL) ML Lab File ID: OF531

Level: (low/med) LOW Date Received: 02/01/01

% Moisture: not dec. Date Analyzed: 02/22/01

GC Column: VOCOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

541-73-1-----	1,3-Dichlorobenzene	1.00	U
106-46-7-----	1,4-Dichlorobenzene	1.00	U
95-50-1-----	1,2-Dichlorobenzene	1.00	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKOG

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419 SAS No.:

SDG No.: 013101

Matrix: (soil/water) WATER

Lab Sample ID: V150222-B1

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF529

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 02/22/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	1.00	U
75-01-4-----	Vinyl Chloride	1.00	U
74-83-9-----	Bromomethane	1.00	U
75-00-3-----	Chloroethane	1.00	U
75-69-4-----	Trichlorofluoromethane	1.00	U
67-64-1-----	Acetone	1.00	U
75-35-4-----	1,1-Dichloroethene	1.00	U
75-09-2-----	Methylene Chloride	1.00	U
156-60-5-----	trans-1,2-Dichloroethene	1.00	U
75-34-3-----	1,1-Dichloroethane	1.00	U
78-93-3-----	2-Butanone	1.00	U
67-66-3-----	Chloroform	1.00	U
71-55-6-----	1,1,1-Trichloroethane	1.00	U
56-23-5-----	Carbon Tetrachloride	1.00	U
107-06-2-----	1,2-Dichloroethane	1.00	U
71-43-2-----	Benzene	1.00	U
79-01-6-----	Trichloroethene	1.00	U
78-87-5-----	1,2-Dichloropropane	1.00	U
75-27-4-----	Bromodichloromethane	1.00	U
10061-01-5-----	cis-1,3-Dichloropropene	1.00	U
108-88-3-----	Toluene	1.00	U
10061-02-6-----	trans-1,3-Dichloropropene	1.00	U
79-00-5-----	1,1,2-Trichloroethane	1.00	U
127-18-4-----	Tetrachloroethene	1.00	U
124-48-1-----	Dibromochloromethane	1.00	U
108-90-7-----	Chlorobenzene	1.00	U
100-41-4-----	Ethylbenzene	1.00	U
1330-20-7-----	Xylenes (total)	1.00	J
108-38-3-----	m,p-Xylenes	1.00	U
95-47-6-----	o-Xylene	1.00	U
75-25-2-----	Bromoform	1.00	U
98-82-8-----	Isopropylbenzene	1.00	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1.00	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKOG

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419 SAS No.:

SDG No.: 013101

Matrix: (soil/water) WATER

Lab Sample ID: V150222-B1

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF529

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 02/22/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

541-73-1-----1,3-Dichlorobenzene	1.00	U
106-46-7-----1,4-Dichlorobenzene	1.00	U
95-50-1-----1,2-Dichlorobenzene	1.00	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VLCSOG

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419

SAS No.:

SDG No.: 013101

Matrix: (soil/water) 1

Lab Sample ID: V150222-LCS

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF530

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 02/22/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	7.43	
75-01-4-----	Vinyl Chloride	6.41	
74-83-9-----	Bromomethane	6.00	
75-00-3-----	Chloroethane	5.39	
75-69-4-----	Trichlorofluoromethane	4.43	
67-64-1-----	Acetone	24	
75-35-4-----	1,1-Dichloroethene	4.95	
75-09-2-----	Methylene Chloride	4.35	
156-60-5-----	trans-1,2-Dichloroethene	4.79	
75-34-3-----	1,1-Dichloroethane	4.63	
78-93-3-----	2-Butanone	23	
67-66-3-----	Chloroform	4.52	
71-55-6-----	1,1,1-Trichloroethane	4.44	
56-23-5-----	Carbon Tetrachloride	4.56	
107-06-2-----	1,2-Dichloroethane	4.53	
71-43-2-----	Benzene	4.71	
79-01-6-----	Trichloroethene	4.65	
78-87-5-----	1,2-Dichloropropane	4.64	
75-27-4-----	Bromodichloromethane	4.26	
10061-01-5-----	cis-1,3-Dichloropropene	4.85	
108-88-3-----	Toluene	4.80	
10061-02-6-----	trans-1,3-Dichloropropene	4.69	
79-00-5-----	1,1,2-Trichloroethane	3.96	
127-18-4-----	Tetrachloroethene	5.10	
124-48-1-----	Dibromochloromethane	4.29	
108-90-7-----	Chlorobenzene	4.56	
100-41-4-----	Ethylbenzene	4.31	
1330-20-7-----	Xylenes (total)	14	
108-38-3-----	m,p-Xylenes	9.19	
95-47-6-----	o-Xylene	4.56	
75-25-2-----	Bromoform	4.13	
98-82-8-----	Isopropylbenzene	4.08	
79-34-5-----	1,1,2,2-Tetrachloroethane	4.02	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VLCSOG

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419

SAS No.:

SDG No.: 013101

Matrix: (soil/water) 1

Lab Sample ID: V150222-LCS

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF530

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 02/22/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

541-73-1-----1,3-Dichlorobenzene		4.02	
106-46-7-----1,4-Dichlorobenzene		4.13	
95-50-1-----1,2-Dichlorobenzene		4.25	

FORM 2
1 VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419 SAS No.:

SDG No.: 013101

	CLIENT SAMPLE NO.	SMC1 #	SMC2 (DCE) #	SMC3 (TOL) #	OTHER (BFB) #	TOT OUT
	=====	=====	=====	=====	=====	=====
01	VLCSOG	92	84	94	91	0
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

SMC1 = Dibromofluoromethane (75-125)
 SMC2 (DCE) = 1,2-Dichloroethane-d4 (75-125)
 SMC3 (TOL) = Toluene-d8 (75-125)
 OTHER (BFB) = Bromofluorobenzene (75-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419

SAS No.:

SDG No.: 013101

	CLIENT SAMPLE NO.	SMC1 #	SMC2 (DCE) #	SMC3 (TOL) #	OTHER (BFB) #	TOT OUT
	=====	=====	=====	=====	=====	=====
01	VBLKOG	93	82	95	108	0
02	TRIP BLANK	84	78	89	97	0
03	POST-CARB	87	84	83	99	0
04	PRE-CARB 1/3	95	86	83	98	0
05	PRE-CARBDL	107	97	103	118	0
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

SMC1 = Dibromofluoromethane (75-125)
 SMC2 (DCE) = 1,2-Dichloroethane-d4 (75-125)
 SMC3 (TOL) = Toluene-d8 (75-125)
 OTHER (BFB) = Bromofluorobenzene (75-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 3
1. VOLATILE LAB CONTROL SAMPLE

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419 SAS No.:

SDG No.: 013101

Matrix Spike - Sample No.: VLCSOG

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/l)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
Chloromethane	5.00		7.43	149*	63-123
Vinyl Chloride	5.00		6.41	128*	63-123
Bromomethane	5.00		6.00	120	63-123
Chloroethane	5.00		5.39	108	63-123
Trichlorofluoromethane	5.00		4.43	89	63-123
Acetone	25		24	96	63-123
1,1-Dichloroethene	5.00		4.95	99	63-123
Methylene Chloride	5.00		4.35	87	63-123
trans-1,2-Dichloroethen	5.00		4.79	96	63-123
1,1-Dichloroethane	5.00		4.63	93	63-123
2-Butanone	25		23	92	63-123
Chloroform	5.00		4.52	90	63-123
1,1,1-Trichloroethane	5.00		4.44	89	63-123
Carbon Tetrachloride	5.00		4.56	91	63-123
1,2-Dichloroethane	5.00		4.53	91	63-123
Benzene	5.00		4.71	94	63-123
Trichloroethene	5.00		4.65	93	63-123
1,2-Dichloropropane	5.00		4.64	93	63-123
Bromodichloromethane	5.00		4.26	85	63-123
cis-1,3-Dichloropropene	5.00		4.85	97	63-123
Toluene	5.00		4.80	96	63-123
trans-1,3-Dichloroprope	5.00		4.69	94	63-123
1,1,2-Trichloroethane	5.00		3.96	79	63-123
Tetrachloroethene	5.00		5.10	102	63-123
Dibromochloromethane	5.00		4.29	86	63-123
Chlorobenzene	5.00		4.56	91	63-123
Ethylbenzene	5.00		4.31	86	63-123
Xylenes (total)	15		14	93	63-123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:

FORM 3
1 VOLATILE LAB CONTROL SAMPLE

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419 SAS No.:

SDG No.: 013101

Matrix Spike - Sample No.: VLCSOG

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/l)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
m,p-Xylenes	10		9.19	92	63-123
o-Xylene	5.00		4.56	91	63-123
Bromoform	5.00		4.13	83	63-123
Isopropylbenzene	5.00		4.08	82	63-123
1,1,2,2-Tetrachloroetha	5.00		4.02	80	63-123
1,3-Dichlorobenzene	5.00		4.02	80	63-123
1,4-Dichlorobenzene	5.00		4.13	83	63-123
1,2-Dichlorobenzene	5.00		4.25	85	63-123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 2 out of 36 outside limits

COMMENTS: _____

**CEIMIC
Corporation**

"Analytical Chemistry for Environmental Management"

March 20, 2001

Mr. Keith Dodrill
URS Greiner
4955 Steubenville Pike
Pittsburgh, PA 15205

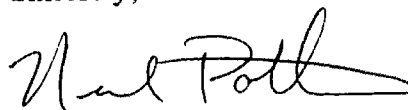
Dear Mr. Dodrill:

Enclosed are the results for the analyses performed in support of the URS Project Jamestown, NY, SDG No. 022701. The 3 water samples were taken from the field on February 26, 2001 and received at Ceimic Corporation on February 27, 2001.

These samples are reported under the Ceimic Project Number 010199, which can be referenced when inquiring about this project.

If you have any questions or concerns regarding this data, please call me at the telephone number listed below.

Sincerely,



Neil Pothier, Ph.D.
Laboratory Director

NP/klw

Enclosures

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

URS SAMPLE NO.

POST-CAR
B 2/26/01

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419

SAS No.:

SDG No.: 022701

Matrix: (soil/water) WATER

Lab Sample ID: 010199-02

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF825

Level: (low/med) LOW

Date Received: 02/27/01

% Moisture: not dec. _____

Date Analyzed: 03/11/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

74-87-3-----	Chloromethane	1.00	U
75-01-4-----	Vinyl Chloride	250	E
74-83-9-----	Bromomethane	1.00	U
75-00-3-----	Chloroethane	1.00	U
75-69-4-----	Trichlorofluoromethane	1.00	U
67-64-1-----	Acetone	1.00	U
75-35-4-----	1,1-Dichloroethene	1.00	U
75-09-2-----	Methylene Chloride	1.00	U
156-60-5-----	trans-1,2-Dichloroethene	1.00	U
75-34-3-----	1,1-Dichloroethane	1.00	U
78-93-3-----	2-Butanone	1.00	U
67-66-3-----	Chloroform	1.00	U
71-55-6-----	1,1,1-Trichloroethane	1.00	U
56-23-5-----	Carbon Tetrachloride	1.00	U
107-06-2-----	1,2-Dichloroethane	1.00	U
71-43-2-----	Benzene	1.00	U
79-01-6-----	Trichloroethene	5.84	
78-87-5-----	1,2-Dichloropropane	1.00	U
75-27-4-----	Bromodichloromethane	1.00	U
10061-01-5-----	cis-1,3-Dichloropropene	1.00	U
108-88-3-----	Toluene	1.00	U
10061-02-6-----	trans-1,3-Dichloropropene	1.00	U
79-00-5-----	1,1,2-Trichloroethane	1.00	U
127-18-4-----	Tetrachloroethene	1.00	U
124-48-1-----	Dibromochloromethane	1.00	U
108-90-7-----	Chlorobenzene	1.00	U
100-41-4-----	Ethylbenzene	0.599	J
1330-20-7-----	Xylenes (total)	4.94	
108-38-3-----	m,p-Xylenes	3.59	
95-47-6-----	o-Xylene	1.32	
75-25-2-----	Bromoform	1.00	U
98-82-8-----	Isopropylbenzene	1.00	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1.00	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

URS SAMPLE NO.

POST-CAR B 2/26/01

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419

SAS No.:

SDG No.: 022701

Matrix: (soil/water) WATER

Lab Sample ID: 010199-02

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF825

Level: (low/med) LOW

Date Received: 02/27/01

% Moisture: not dec. _____

Date Analyzed: 03/11/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

541-73-1-----1,3-Dichlorobenzene	1.00	U
106-46-7-----1,4-Dichlorobenzene	1.00	U
95-50-1-----1,2-Dichlorobenzene	1.00	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

URS SAMPLE NO.

POST-CARB
2/26/01DL

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419

SAS No.:

SDG No.: 022701

Matrix: (soil/water) WATER

Lab Sample ID: 010199-02DL

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF828

Level: (low/med) LOW

Date Received: 02/27/01

% Moisture: not dec. _____

Date Analyzed: 03/12/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 10.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

74-87-3-----	Chloromethane	10	U
75-01-4-----	Vinyl Chloride	150	D
74-83-9-----	Bromomethane	10	U
75-00-3-----	Chloroethane	10	U
75-69-4-----	Trichlorofluoromethane	10	U
67-64-1-----	Acetone	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-09-2-----	Methylene Chloride	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
67-66-3-----	Chloroform	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
107-06-2-----	1,2-Dichloroethane	10	U
71-43-2-----	Benzene	10	U
79-01-6-----	Trichloroethene	10	U
78-87-5-----	1,2-Dichloropropane	10	U
75-27-4-----	Bromodichloromethane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
108-88-3-----	Toluene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
127-18-4-----	Tetrachloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
1330-20-7-----	Xylenes (total)	10	U
108-38-3-----	m,p-Xylenes	10	U
95-47-6-----	o-Xylene	10	U
75-25-2-----	Bromoform	10	U
98-82-8-----	Isopropylbenzene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

URS SAMPLE NO.

POST-CARB
2/26/01DL

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419 SAS No.:

SDG No.: 022701

Matrix: (soil/water) WATER

Lab Sample ID: 010199-02DL

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF828

Level: (low/med) LOW

Date Received: 02/27/01

% Moisture: not dec. _____

Date Analyzed: 03/12/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 10.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

URS SAMPLE NO.

PRE-CARB
2/26/01

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419

SAS No.:

SDG No.: 022701

Matrix: (soil/water) WATER

Lab Sample ID: 010199-01

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF827

Level: (low/med) LOW

Date Received: 02/27/01

% Moisture: not dec. _____

Date Analyzed: 03/12/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 250.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

74-87-3-----	Chloromethane	250	U
75-01-4-----	Vinyl Chloride	260	
74-83-9-----	Bromomethane	250	U
75-00-3-----	Chloroethane	250	U
75-69-4-----	Trichlorofluoromethane	250	U
67-64-1-----	Acetone	250	U
75-35-4-----	1,1-Dichloroethene	250	U
75-09-2-----	Methylene Chloride	250	U
156-60-5-----	trans-1,2-Dichloroethene	250	U
75-34-3-----	1,1-Dichloroethane	250	U
78-93-3-----	2-Butanone	250	U
67-66-3-----	Chloroform	250	U
71-55-6-----	1,1,1-Trichloroethane	250	U
56-23-5-----	Carbon Tetrachloride	250	U
107-06-2-----	1,2-Dichloroethane	250	U
71-43-2-----	Benzene	250	U
79-01-6-----	Trichloroethene	1200	
78-87-5-----	1,2-Dichloropropane	250	U
75-27-4-----	Bromodichloromethane	250	U
10061-01-5-----	cis-1,3-Dichloropropene	250	U
108-88-3-----	Toluene	250	U
10061-02-6-----	trans-1,3-Dichloropropene	250	U
79-00-5-----	1,1,2-Trichloroethane	250	U
127-18-4-----	Tetrachloroethene	250	U
124-48-1-----	Dibromochloromethane	250	U
108-90-7-----	Chlorobenzene	250	U
100-41-4-----	Ethylbenzene	140	J
1330-20-7-----	Xylenes (total)	1200	
108-38-3-----	m,p-Xylenes	870	
95-47-6-----	o-Xylene	320	
75-25-2-----	Bromoform	250	U
98-82-8-----	Isopropylbenzene	250	U
79-34-5-----	1,1,2,2-Tetrachloroethane	250	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

URS SAMPLE NO.

PRE-CARB 2/26/01

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419

SAS No.:

SDG No.: 022701

Matrix: (soil/water) WATER

Lab Sample ID: 010199-01

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF827

Level: (low/med) LOW

Date Received: 02/27/01

% Moisture: not dec. _____

Date Analyzed: 03/12/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 250.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

541-73-1-----	1,3-Dichlorobenzene	250	U
106-46-7-----	1,4-Dichlorobenzene	250	U
95-50-1-----	1,2-Dichlorobenzene	250	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

URS SAMPLE NO.

TRIP BLAN
K 2/26/01

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419

SAS No.:

SDG No.: 022701

Matrix: (soil/water) WATER

Lab Sample ID: 010199-03

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF819

Level: (low/med) LOW

Date Received: 02/27/01

% Moisture: not dec. _____

Date Analyzed: 03/11/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

74-87-3	Chloromethane	1.00	U
75-01-4	Vinyl Chloride	1.00	U
74-83-9	Bromomethane	1.00	U
75-00-3	Chloroethane	1.00	U
75-69-4	Trichlorofluoromethane	1.00	U
67-64-1	Acetone	1.00	U
75-35-4	1,1-Dichloroethene	1.00	U
75-09-2	Methylene Chloride	1.00	U
156-60-5	trans-1,2-Dichloroethene	1.00	U
75-34-3	1,1-Dichloroethane	1.00	U
78-93-3	2-Butanone	1.00	U
67-66-3	Chloroform	1.00	U
71-55-6	1,1,1-Trichloroethane	1.00	U
56-23-5	Carbon Tetrachloride	1.00	U
107-06-2	1,2-Dichloroethane	1.00	U
71-43-2	Benzene	1.00	U
79-01-6	Trichloroethene	1.00	U
78-87-5	1,2-Dichloropropane	1.00	U
75-27-4	Bromodichloromethane	1.00	U
10061-01-5	cis-1,3-Dichloropropene	1.00	U
108-88-3	Toluene	1.00	U
10061-02-6	trans-1,3-Dichloropropene	1.00	U
79-00-5	1,1,2-Trichloroethane	1.00	U
127-18-4	Tetrachloroethene	1.00	U
124-48-1	Dibromochloromethane	1.00	U
108-90-7	Chlorobenzene	1.00	U
100-41-4	Ethylbenzene	1.00	U
1330-20-7	Xylenes (total)	1.00	U
108-38-3	m,p-Xylenes	1.00	U
95-47-6	o-Xylene	1.00	U
75-25-2	Bromoform	1.00	U
98-82-8	Isopropylbenzene	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

URS SAMPLE NO.

TRIP BLAN K 2/26/01

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419

SAS No.:

SDG No.: 022701

Matrix: (soil/water) WATER

Lab Sample ID: 010199-03

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF819

Level: (low/med) LOW

Date Received: 02/27/01

% Moisture: not dec. _____

Date Analyzed: 03/11/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

541-73-1-----	1,3-Dichlorobenzene	1.00	U
106-46-7-----	1,4-Dichlorobenzene	1.00	U
95-50-1-----	1,2-Dichlorobenzene	1.00	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKON

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419

SAS No.:

SDG No.: 022701

Matrix: (soil/water) WATER

Lab Sample ID: V150311-B1

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF817

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 03/11/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	1.00	U
75-01-4-----	Vinyl Chloride	1.00	U
74-83-9-----	Bromomethane	1.00	U
75-00-3-----	Chloroethane	1.00	U
75-69-4-----	Trichlorofluoromethane	1.00	U
67-64-1-----	Acetone	1.00	U
75-35-4-----	1,1-Dichloroethene	1.00	U
75-09-2-----	Methylene Chloride	1.00	U
156-60-5-----	trans-1,2-Dichloroethene	1.00	U
75-34-3-----	1,1-Dichloroethane	1.00	U
78-93-3-----	2-Butanone	1.00	U
67-66-3-----	Chloroform	1.00	U
71-55-6-----	1,1,1-Trichloroethane	1.00	U
56-23-5-----	Carbon Tetrachloride	1.00	U
107-06-2-----	1,2-Dichloroethane	1.00	U
71-43-2-----	Benzene	1.00	U
79-01-6-----	Trichloroethene	1.00	U
78-87-5-----	1,2-Dichloropropane	1.00	U
75-27-4-----	Bromodichloromethane	1.00	U
10061-01-5-----	cis-1,3-Dichloropropene	1.00	U
108-88-3-----	Toluene	1.00	U
10061-02-6-----	trans-1,3-Dichloropropene	1.00	U
79-00-5-----	1,1,2-Trichloroethane	1.00	U
127-18-4-----	Tetrachloroethene	1.00	U
124-48-1-----	Dibromochloromethane	1.00	U
108-90-7-----	Chlorobenzene	1.00	U
100-41-4-----	Ethylbenzene	1.00	U
1330-20-7-----	Xylenes (total)	1.00	U
108-38-3-----	m,p-Xylenes	1.00	U
95-47-6-----	o-Xylene	1.00	U
75-25-2-----	Bromoform	1.00	U
98-82-8-----	Isopropylbenzene	1.00	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1.00	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKON

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419

SAS No.:

SDG No.: 022701

Matrix: (soil/water) WATER

Lab Sample ID: V150311-B1

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF817

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 03/11/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

541-73-1-----	1,3-Dichlorobenzene	1.00	U
106-46-7-----	1,4-Dichlorobenzene	1.00	U
95-50-1-----	1,2-Dichlorobenzene	1.00	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VLCSON

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419

SAS No.:

SDG No.: 022701

Matrix: (soil/water) WATER

Lab Sample ID: V150311-LCS

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF818

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 03/11/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	7.06	
75-01-4-----	Vinyl Chloride	5.10	
74-83-9-----	Bromomethane	5.89	
75-00-3-----	Chloroethane	5.03	
75-69-4-----	Trichlorofluoromethane	4.62	
67-64-1-----	Acetone	25	
75-35-4-----	1,1-Dichloroethene	4.39	
75-09-2-----	Methylene Chloride	4.48	
156-60-5-----	trans-1,2-Dichloroethene	4.62	
75-34-3-----	1,1-Dichloroethane	4.67	
78-93-3-----	2-Butanone	27	
67-66-3-----	Chloroform	4.97	
71-55-6-----	1,1,1-Trichloroethane	4.48	
56-23-5-----	Carbon Tetrachloride	4.76	
107-06-2-----	1,2-Dichloroethane	5.16	
71-43-2-----	Benzene	4.54	
79-01-6-----	Trichloroethene	4.50	
78-87-5-----	1,2-Dichloropropane	4.78	
75-27-4-----	Bromodichloromethane	4.88	
10061-01-5-----	cis-1,3-Dichloropropene	4.97	
108-88-3-----	Toluene	4.56	
10061-02-6-----	trans-1,3-Dichloropropene	5.37	
79-00-5-----	1,1,2-Trichloroethane	5.00	
127-18-4-----	Tetrachloroethene	4.86	
124-48-1-----	Dibromochloromethane	4.90	
108-90-7-----	Chlorobenzene	4.50	
100-41-4-----	Ethylbenzene	4.78	
1330-20-7-----	Xylenes (total)	13	
108-38-3-----	m,p-Xylenes	8.37	
95-47-6-----	o-Xylene	4.21	
75-25-2-----	Bromoform	4.61	
98-82-8-----	Isopropylbenzene	3.52	
79-34-5-----	1,1,2,2-Tetrachloroethane	4.37	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VLCSON

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419

SAS No.:

SDG No.: 022701

Matrix: (soil/water) WATER

Lab Sample ID: V150311-LCS

Sample wt/vol: 20.00 (g/mL) ML

Lab File ID: OF818

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 03/11/01

GC Column: VOCOL ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

541-73-1-----1,3-Dichlorobenzene	3.99	
106-46-7-----1,4-Dichlorobenzene	4.34	
95-50-1-----1,2-Dichlorobenzene	4.36	

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419

SAS No.:

SDG No.: 022701

	CLIENT SAMPLE NO.	SMC1 #	SMC2 (DCE) #	SMC3 (TOL) #	OTHER (BFB) #	TOT OUT
	=====	=====	=====	=====	=====	=====
01	VBLKON	101	100	97	117	0
02	VLCSON	111	113	98	102	0
03	TRIP BLANK 2	104	105	95	117	0
04	POST-CARB 2/	102	96	88	116	0
05	PRE-CARB 2/2	102	93	91	116	0
06	POST-CARB 2/	99	94	93	116	0
07						
08						
09						
10						
11						
12						
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14						
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23						
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25						
26						
27						
28						
29						
30						

QC LIMITS

SMC1 = Dibromofluoromethane (75-125)
 * SMC2 (DCE) = 1,2-Dichloroethane-d4 (75-125)
 SMC3 (TOL) = Toluene-d8 (75-125)
 OTHER(BFB) = Bromofluorobenzene (75-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419

SAS No.:

SDG No.: 022701

Matrix Spike - Sample No.: VLCSON

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/l)	LCS % REC #	QC. LIMITS REC.
Chloromethane	5.00		7.06	141*	63-123
Vinyl Chloride	5.00		5.10	102	63-123
Bromomethane	5.00		5.89	118	63-123
Chloroethane	5.00		5.03	101	63-123
Trichlorofluoromethane	5.00		4.62	92	63-123
Acetone	25		25	100	63-123
1,1-Dichloroethene	5.00		4.39	88	63-123
Methylene Chloride	5.00		4.48	90	63-123
trans-1,2-Dichloroethen	5.00		4.62	92	63-123
1,1-Dichloroethane	5.00		4.67	93	63-123
2-Butanone	25		27	108	63-123
Chloroform	5.00		4.97	99	63-123
1,1,1-Trichloroethane	5.00		4.48	90	63-123
Carbon Tetrachloride	5.00		4.76	95	63-123
1,2-Dichloroethane	5.00		5.16	103	63-123
Benzene	5.00		4.54	91	63-123
Trichloroethene	5.00		4.50	90	63-123
1,2-Dichloropropane	5.00		4.78	96	63-123
Bromodichloromethane	5.00		4.88	98	63-123
cis-1,3-Dichloropropene	5.00		4.97	99	63-123
Toluene	5.00		4.56	91	63-123
trans-1,3-Dichloroprope	5.00		5.37	107	63-123
1,1,2-Trichloroethane	5.00		5.00	100	63-123
Tetrachloroethene	5.00		4.86	97	63-123
Dibromochloromethane	5.00		4.90	98	63-123
Chlorobenzene	5.00		4.50	90	63-123
Ethylbenzene	5.00		4.78	96	63-123
Xylenes (total)	15		13	87	63-123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: CEIMIC CORP

Contract: URS

Lab Code: CEIMIC

Case No.: 801419

SAS No.:

SDG No.: 022701

Matrix Spike - Sample No.: VLCSON

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/l)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
m,p-Xylenes	10		8.37	84	63-123
o-Xylene	5.00		4.21	84	63-123
Bromoform	5.00		4.61	92	63-123
Isopropylbenzene	5.00		3.52	70	63-123
1,1,2,2-Tetrachloroetha	5.00		4.37	87	63-123
1,3-Dichlorobenzene	5.00		3.99	80	63-123
1,4-Dichlorobenzene	5.00		4.34	87	63-123
1,2-Dichlorobenzene	5.00		4.36	87	63-123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 1 out of 36 outside limits

COMMENTS:



Antech Ltd.

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

April 5, 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 March 26, 2001. Please reference Antech project number 01-1487 when inquiring about this report.

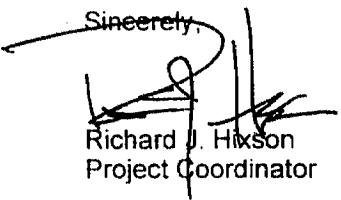
Client Site: Jamestown, NY
Client Ref.: Groundwater

Antech Sample Identification	Client Sample Identification
0103-1529	Pre-Carb
0103-1530	Post Carb
0103-1531	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: jld

Enclosures

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

Client Site: Jamestown, NY
Client Ref.: Groundwater

Lab Project ID: 01-1487
Lab Sample ID: 0103-1529
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 03/23/2001
Date Received: 03/26/2001

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	03/28/2001	032904-01	<5.0
Benzene	8260B ⁽¹⁾	5.4	1.0	ug/l	REC	03/28/2001	032904-01	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Cumene	8260B ⁽¹⁾	5.4	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	12	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	3900	250	ug/l	REC	04/02/2001	040304-07	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	15	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Ethylbenzene	8260B ⁽¹⁾	330	250	ug/l	REC	04/02/2001	040304-07	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Toluene	8260B ⁽¹⁾	160	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Trichloroethene	8260B ⁽¹⁾	1100	250	ug/l	REC	04/02/2001	040304-07	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Vinyl chloride	8260B ⁽¹⁾	370	50	ug/l	REC	04/02/2001	040304-07	<2.0
m,p-Xylene	8260B ⁽¹⁾	2200	250	ug/l	REC	04/02/2001	040304-07	<5.0

(Continued)

Lab Sample ID: 0103-1529
Client Sample ID: Pre-Carb

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	720	250	ug/l	REC	04/02/2001	040304-07	<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: Jamestown, NY
Client Ref.: Groundwater

Lab Project ID: 01-1487
Lab Sample ID: 0103-1530
Client Sample ID: Post Carb
Sample Matrix: Aqueous

Date Sampled: 03/23/2001
Date Received: 03/26/2001

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	04/02/2001	040304-07	<5.0
Benzene	8260B ⁽¹⁾	2.1	1.0	ug/l	REC	04/02/2001	040304-07	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	1900	50	ug/l	REC	04/02/2001	040304-07	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	5.8	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
Ethylbenzene	8260B ⁽¹⁾	130	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
Toluene	8260B ⁽¹⁾	66	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
Trichloroethene	8260B ⁽¹⁾	490	50	ug/l	REC	04/02/2001	040304-07	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	04/02/2001	040304-07	<5.0
Vinyl chloride	8260B ⁽¹⁾	280	10	ug/l	REC	04/02/2001	040304-07	<2.0
m,p-Xylene	8260B ⁽¹⁾	950	50	ug/l	REC	04/02/2001	040304-07	<5.0

(Continued)

Lab Sample ID: 0103-1530
Client Sample ID: Post Carb

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	340	50	ug/l	REC	04/02/2001	040304-07	<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:

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

Client Site: Jamestown, NY
Client Ref.: Groundwater

Lab Project ID: 01-1487
Lab Sample ID: 0103-1531
Client Sample ID: Trip Blank
Sample Matrix: Aqueous

Date Sampled: 03/23/2001
Date Received: 03/26/2001

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	03/28/2001	032904-01	<5.0
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	REC	03/28/2001	032904-01	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	REC	03/28/2001	032904-01	<2.0
m,p-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<5.0

(Continued)

Lab Sample ID: 0103-1531

Client Sample ID: Trip Blank

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	REC	03/28/2001	032904-01	<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



Antech Ltd. Chain of Custody Record

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. 11/1497

Project Name: Essex - Hope Project No.: 801419.1020 Sampler: John S. Ross
(Printed Name) (Signature)

Relinquished By: (Signature and Printed Name) John S. Ross Date 3-23-01 Time 1745
Received By: (Signature and Printed Name) Fed. EXPRESS Date 3-23-01 Time 1745
Relinquished By: (Signature and Printed Name) FedEx Date 3-23-01 Time 1745
Received at Lab By: (Signature and Printed Name) J. Smith Date 3-23-01 Time 1745

Antech Quote ID No. _____				Antech Contact Name: <u>Rich Hixon</u>		Chem Purchase Order No. _____		Method of Shipment: <u>Fed. EX</u>		Shipment ID: <u>801419.1020</u>		Other (Please Specify)		Please Check when Monitoring Samples are Collected	
Sample ID Number				Sample Description		Grab		Composite		Circle Bottle Size				Please Check when VOA Vials are Collected	
Date	Time	Description													
3-23-01	1600	Pre-Carb AQ													
	1600	Post-Carb AQ													
	1630	Post-Carb AQ													
	1700	Post-Carb AQ													
	1730	Post-Carb AQ													
		Trip Blank AQ													

Special Instructions/Comments: Combine (4) Four Post-Carb Samples into (1) ONE for Analysis

Sample Return/Disposal:
☐ Return to Client
☒ Disposal by Antech

Results To:
Client Name: Keith Dodrill
Company: URS Corp TWIN TOWERS ST. 12
Address: 4955 Steubenville PK
Pittsburgh PA 15205

For Laboratory Use Only:
Sample Condition Upon Receipt/Comments: _____
Was Temperature Vial Sent With Cooler? YES ☐ NO ☒ Cooler Temperature: 4.7°C
WHITE - Original COC File YELLOW - Return with Report PINK - Project File GOLD - Client Receipt Call 3/24/01

Invoice To:
Client Name: _____
Company: _____
Address: _____



Antech Ltd.

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

April 19, 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 6, 2001. Please reference Antech project number 01-1696 when inquiring about this report.

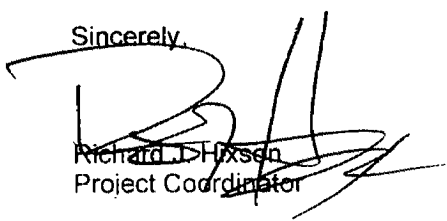
Client Site: Jamestown, NY
Client Ref.: Groundwater; 801419.1020

Antech Sample Identification	Client Sample Identification
0104-0360	RW-1D
0104-0361	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: jld

Enclosures

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

Client Site: Jamestown, NY
Client Ref.: Groundwater; 801419.1020

Lab Project ID: 01-1696
Lab Sample ID: 0104-0360
Client Sample ID: RW-1D
Sample Matrix: Aqueous

Date Sampled: 04/05/2001
Date Received: 04/06/2001

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	04/17/2001	041704-11	<5.0
Benzene	8260B ⁽¹⁾	3.7	1.0	ug/l	RJM	04/17/2001	041704-11	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	10	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	1500	100	ug/l	RJM	04/18/2001	041904-01	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	14	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	RJM	04/17/2001	041704-11	<2.0
m,p-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0

(Continued)

Lab Sample ID: 0104-0360
Client Sample ID: RW-1D

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<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

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

Lab Project ID: 01-1696
Lab Sample ID: 0104-0361
Client Sample ID: Trip Blank
Sample Matrix: Aqueous

Client Site: Jamestown, NY
Client Ref.: Groundwater; 801419.1020

Date Sampled: 04/05/2001
Date Received: 04/06/2001

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	04/17/2001	041704-11	<5.0
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	RJM	04/17/2001	041704-11	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	RJM	04/17/2001	041704-11	<2.0
m,p-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<5.0

(Continued)

Lab Sample ID: 0104-0361
Client Sample ID: Trip Blank

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	RJM	04/17/2001	041704-11	<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.**

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

April 6, 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 March 28, 2001. Please reference Antech project number 01-1539 when inquiring about this report.

Client Site: Jamestown, NY
Client Ref.: Groundwater; 801419.1020

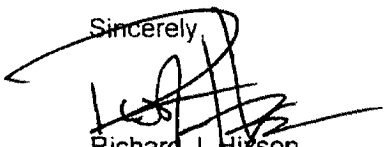
Antech Sample Identification	Client Sample Identification
0103-1779	RW-1S
0103-1780	RW-2D
0103-1781	RW-2S
0103-1782	RW-3S

Antech Sample Identification	Client Sample Identification
0103-1783	RW-4S
0103-1784	RW-5S
0103-1785	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: jld

Enclosures

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

Lab Project ID: 01-1539
Lab Sample ID: 0103-1779
Client Sample ID: RW-1S
Sample Matrix: Aqueous

Client Site: Jamestown, NY
Client Ref.: Groundwater; 801419.1020

Date Sampled: 03/27/2001
Date Received: 03/28/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	JMH	04/03/2001	040504-12	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	44	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Trichloroethene	8260B ⁽¹⁾	100	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Vinyl chloride	8260B ⁽¹⁾	28	2.0	ug/l	JMH	04/03/2001	040504-12	<2.0
m,p-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0

(Continued)

Lab Sample ID: 0103-1779
Client Sample ID: RW-1S

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<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

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

Lab Project ID: 01-1539
Lab Sample ID: 0103-1780
Client Sample ID: RW-2D
Sample Matrix: Aqueous

Date Sampled: 03/27/2001
Date Received: 03/28/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Benzene	8260B ⁽¹⁾	6.5	1.0	ug/l	JMH	04/03/2001	040504-12	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	17	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	5200	250	ug/l	JMH	04/04/2001	040504-18	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	27	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Trichloroethene	8260B ⁽¹⁾	1100	250	ug/l	JMH	04/04/2001	040504-18	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Vinyl chloride	8260B ⁽¹⁾	530	50	ug/l	JMH	04/04/2001	040504-18	<2.0
m,p-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0

(Continued)

Lab Sample ID: 0103-1780
Client Sample ID: RW-2D

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<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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Lab Project ID: 01-1539
Lab Sample ID: 0103-1781
Client Sample ID: RW-2S
Sample Matrix: Aqueous

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

Date Sampled: 03/27/2001
Date Received: 03/28/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	JMH	04/04/2001	040504-18	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	620	100	ug/l	JMH	04/04/2001	040504-18	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	6.7	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Trichloroethene	8260B ⁽¹⁾	1500	100	ug/l	JMH	04/04/2001	040504-18	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Vinyl chloride	8260B ⁽¹⁾	120	2.0	ug/l	JMH	04/04/2001	040504-18	<2.0
m,p-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0

(Continued)

Lab Sample ID: 0103-1781
Client Sample ID: RW-2S

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<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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Lab Project ID: 01-1539
Lab Sample ID: 0103-1782
Client Sample ID: RW-3S
Sample Matrix: Aqueous

Date Sampled: 03/27/2001
Date Received: 03/28/2001

Client Site: Jamestown, NY
Client Ref.: Groundwater; 801419.1020

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Benzene	8260B ⁽¹⁾	7.7	1.0	ug/l	JMH	04/04/2001	040504-18	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Cumene	8260B ⁽¹⁾	17	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Ethylbenzene	8260B ⁽¹⁾	96	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	JMH	04/04/2001	040504-18	<2.0
m,p-Xylene	8260B ⁽¹⁾	110	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0

(Continued)

Lab Sample ID: 0103-1782

Client Sample ID: RW-3S

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	74	5.0	ug/l	JMH	04/04/2001	040504-18	<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
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Pittsburgh, PA 15205

Lab Project ID: 01-1539
Lab Sample ID: 0103-1783
Client Sample ID: RW-4S
Sample Matrix: Aqueous

Client Site: Jamestown, NY
Client Ref.: Groundwater; 801419.1020

Date Sampled: 03/27/2001
Date Received: 03/28/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	27	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
Benzene	8260B ⁽¹⁾	20	1.0	ug/l	JMH	04/03/2001	040504-15	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
Cumene	8260B ⁽¹⁾	150	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
Ethylbenzene	8260B ⁽¹⁾	11000	1000	ug/l	JMH	04/04/2001	040504-18	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
Toluene	8260B ⁽¹⁾	4700	1000	ug/l	JMH	04/04/2001	040504-18	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-15	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	JMH	04/03/2001	040504-15	<2.0
m,p-Xylene	8260B ⁽¹⁾	53000	1000	ug/l	JMH	04/04/2001	040504-18	<5.0

(Continued)

Lab Sample ID: 0103-1783
Client Sample ID: RW-4S

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	19000	1000	ug/l	JMH	04/04/2001	040504-18	<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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Lab Project ID: 01-1539
Lab Sample ID: 0103-1784
Client Sample ID: RW-5S
Sample Matrix: Aqueous

Client Site: Jamestown, NY
Client Ref.: Groundwater; 801419.1020

Date Sampled: 03/27/2001
Date Received: 03/28/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	JMH	04/04/2001	040504-18	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Ethylbenzene	8260B ⁽¹⁾	35	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	JMH	04/04/2001	040504-18	<2.0
m,p-Xylene	8260B ⁽¹⁾	170	5.0	ug/l	JMH	04/04/2001	040504-18	<5.0

(Continued)

Lab Sample ID: 0103-1784

Client Sample ID: RW-5S

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	16	5.0	ug/l	JMH	04/04/2001	040504-18	<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: Jamestown, NY
Client Ref.: Groundwater; 801419.1020

Lab Project ID: 01-1539
Lab Sample ID: 0103-1785
Client Sample ID: Trip Blank
Sample Matrix: Aqueous

Date Sampled: 03/27/2001
Date Received: 03/28/2001

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Acetone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	JMH	04/03/2001	040504-12	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
2-Butanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
2-Hexanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
4-Methyl-2-pentanone	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	JMH	04/03/2001	040504-12	<2.0
m,p-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<5.0

(Continued)

Lab Sample ID: 0103-1785

Client Sample ID: Trip Blank

Volatiles (Cont.)

o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JMH	04/03/2001	040504-12	<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

Page 1 of 1

For Laboratory Use Only

Laboratory Project No. _____

Relinquished By: (Signature and Printed Name)
John J. Foster
 Relinquished By: (Signature and Printed Name)

Date 3-27-01 Time 1815
Date _____ Time _____

Received By: (Signature and Printed Name)

Received at Lab By: (Signature and Printed Name)

Date 2001 Time 12:15
Date _____ Time _____

Antech Quote ID No. 7124 H1AEN
Antech Contact Name: _____
Client Purchase Order No. _____
Method of Shipment: FW Exp
Shipment ID: 702 011530828

Circle Bottle Size

Other (Please Specify) _____

Please Check when Monitoring
Samples are Collected

☐ Residual Chlorine Present
☐ Residual Chlorine Not Present

Please Check when VOA Vials
are Collected.

☒ Free of Bubbles
☐ Bubbles Present

(STRUCTURE IN SPECIAL POSITIONS OF 4-AMINOACETOPHENOL)

Not all
Lithium Salts

Special Instructions/Comments _____

Sample Return/Disposal:

☐ Return to Client
☒ Disposal by Antech

Results To

Client Name URS Corp
Company URS Corp
Address Twin Tower St. 250 4955 Steubenville Pk.
Pittsburgh Pa.

For Laboratory Use Only:

Sample Condition Upon Receipt/Comments: _____

Was Temperature Vial Sent With Cooler? YES _____ NO ☒ Cooler Temperature: 5-7

WHITE - Original COC File YELLOW - Return with Report PINK - Project File GOLD - Client Receipt

Invoice To

Client Name _____
Company _____
Address _____