



Ms. Sharon Trocher Work Assignment Manager U.S. Environmental Protection Agency 290 Broadway, 20<sup>th</sup> Floor New York, NY 10007-1866

SUBJECT: USEP

USEPA RAC II CONTRACT NUMBER 68-W-98-214 WORK ASSIGNMENT NUMBER 109-RALR-0238 VESTAL WATER SUPPLY WELL, OPERABLE UNIT 1 APRIL 2006 PERFORMANCE MONITORING REPORT

Dear Ms. Trocher:

I am pleased to provide the April 2006 Monthly Performance Monitoring Report for the Vestal Water Supply Well treatment facility.

#### A. Monthly Operations

The treatment system at the Vestal Water Supply Well operated for the entire month of April. A summary of the operation and maintenance activities performed during April is as follows:

- The flow meter was replaced;
- Routine inspections of the facility were performed;
- Pumps were checked and lubricated;
- Air filters were cleaned or replaced;
- Raked and mowed the grass at the facility; and
- The monthly influent and effluent samples were collected.

### **B.** Operational Data

The following table presents operational data for the year 2006, arranged by month:

Month	Operating Days	Average flow Meter%	Average flow rate (gpm)	Amount of groundwater treated (mg)	
	21	45*	517.5*	23.1*	
January	31	43.	317.3	23.1	
February	28	45*	517.5*	20.9*	
March	31	45*	517.5*	23.1*	
April	April 30 45 517.5				
Volume of groundwar	89.5*				
Volume of groundwar	Volume of groundwater treated for the OU-1				

<sup>\*</sup>The flow meter was not operating correctly. After repair, the average flow was found to be 45%. This flow rate was used to calculate flow during the period the flow meter was not operating correctly.

gpm - gallons per minute mg - millions of gallon



### C. Comparison of Influent and Effluent Concentrations with Discharge Criteria

The treatment plant influent and effluent analytical data received from the EPA-DESA laboratory for the month of March 2006 are included in Attachment 1. A summary of the data for the compounds detected in the plant influent and effluent is as follows:

	Discharge	Influent Concentration (ug/L)							Effluent Concentration					
Compound	Criteria (ug/L)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	(ug/L) March
Vinyl Chloride	2	0.5U	3.8	3.8	4.2									0.5 U
Chloroethane		0.5U	0.61	0.56	0.58									0.5 U
1,1-Dichloroethene*	5	3.2	11	10.0	11									0.5U
1,1,2 Trichloro- 1,2,2-Trifluoroethane		1.2	4.3	3.9	3.9									0.5 (
Acetone		1.0U	1.0U	5.0U	1.0U									1.0 U
Methylene Chloride		0.5U	0.5U	0.5U	0.5U									0.5 U
Trans 1,2-Dichloroethene*	5	0.5 U	0.5U	0.5U	0.5U									0.5 U
Methyl Tert-Butyl Ether		1.0	3.7	3.7	3.9									1.9
1,1-Dichloroethane	5	6.1	30	18	18									2.0
Cis-1,2-Dichloroethene*	5	14	45	45	46								_	6.1
Chloroform	7	0.5 U	0.5U	0.5U	0.5U									0.5 U
1,1,1-Trichloroethane*	5	42	150	130	140									5.7
Trichloroethene*	5	15L	42	40	42									3.0
Total Volatile Organics*	100	82.5	280.4	254.96	269.58									18.7

Note:

ug/L = micrograms per liter

\* = Site Contaminant of Concern

U = Below Reporting Limit

#### D. Next Month's Activities

The following activities are planned for May 2006:

Roldan

Perform monthly performance monitoring sampling.

#### E. Summary and Recommendations

Based on the treatment plant influent and effluent data summarized above, it can be concluded the treated water continues to meet the discharge limits. Please feel free to contact me at (973) 630-8197 if you should have any questions.

Sincerely,

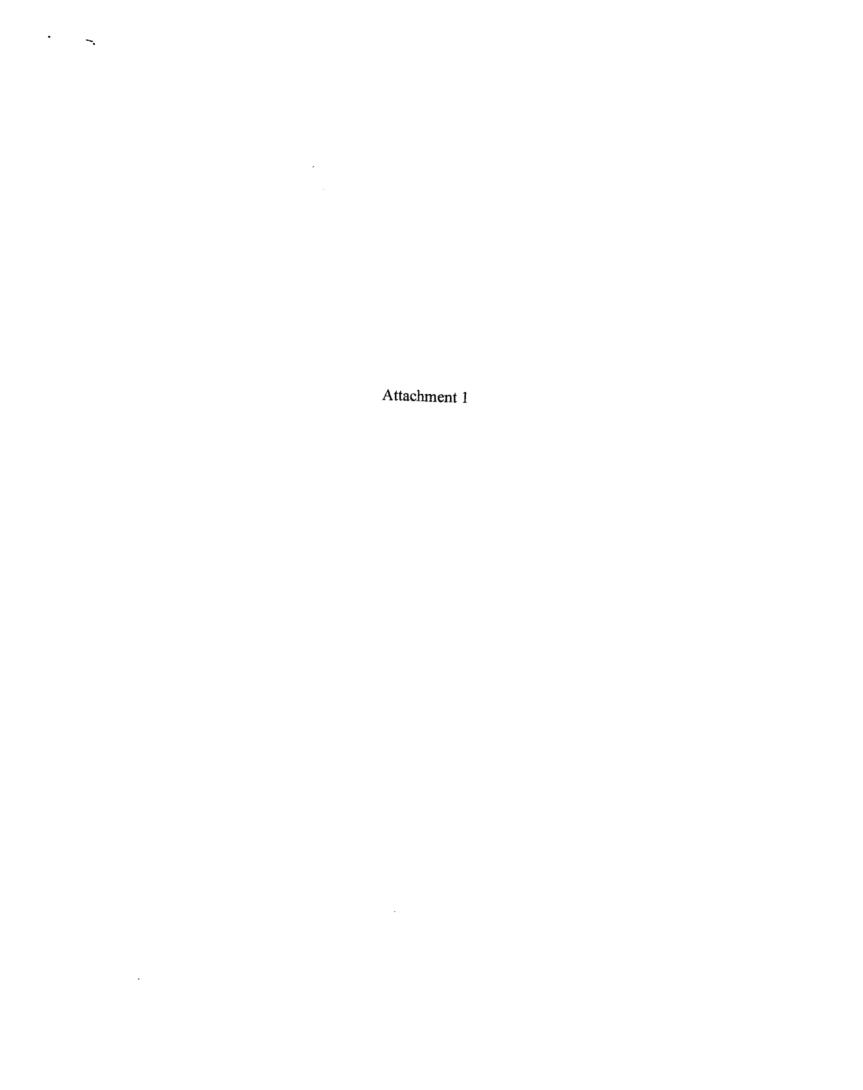
Heidemarie Roldan

Project Manager

Attachment

cc:

P. Long (NYSDEC)



Project Number: 06040021

\*Sorted By Sample ID

AH01724

Field/Station ID: EFFLUENT

Date Received: 4/7/2006

Matrix: Aqueous

Sample Description:

Analysis Type: VOA GCMS LOW LEVEL DRINKING WATER		Remark	
CAS Number Analyte Name	Result	Codes	Units
000124481 DIBROMOCHLOROMETHANE	-+-	0.50U	ug/L
000106934 1,2-DIBROMOETHANE		0.50U	ug/L
000591786 2-HEXANONE		1.0U	ug/L
000108907 CHLOROBENZENE		0.50U	·úg/L
000630206 1,1,1,2-TETRACHLOROETHANE		0. <b>50</b> U	ug/L
100-41-4 ETHYLBENZENE		0.50U	ug/L
001330207 M/P-XYLENE	68)	0.50U	ug/L
000095476 O-XYLENE		0.50LF 🚡	ug/L
000100425 STYRENE		0.50U	ug/L
000075252 BROMOFORM		0.50U	. ug/L
000098828 ISOPROPYLBENZENE		0,50U	ug/L
000108861 BROMOBENZENE		0.50U 🗼	ug/L
000096184 1,2,3-TRICHLOROPROPANE		0.50U	ug/L
000079345 [,i,2,2-TETRACHLOROETHANE		0.50U 🎉	ug/L
000103651 N-PROPYLBENZENE		0.50U	ug/L
000095498 2-CHLOROTOLUENE		0.50U	ug/L
106-43-4 4-CHLOROTOLUENE	<del></del>	0.50U	ug/L
000108678 1,3,5-TRIMETHYLBENZENE		0.50U	ug/L
000098066 TERT-BUTYLBENZENE		0.50U	ug/L
000095636 1,2,4-TRIMETHYLBENZENE		0.50U	ug/L
135-98-8 SEC-BUTYLBENZENE		0.50U	ug/L
00054173.1 1,3-DICHLOROBENZENE 000106467 1,4-DICHLOROBENZENE		0.50U 0.50U	ug/L ug/L
600095501 1,2-DICHLOROBENZENE	 : 154 - 254 444 144	0.50U	ug/L
000099876 4-ISOPROPYLTOLUENE		0.50U	ug/L
000104518 N-BUTYLBENZENE		0.50U	ug/L
000096128 1,2-DIBROMO-3-CHLOROPROPANE		0.50U	ug/L
000120821 1,2,4-TRICHLOROBENZENE		0,50U	ug/L
87-68-3 HEXACHLOROBUTADIENE		0.50U	ug/L
000091203 NAPHTHALENE		0.50U	ug/L
000087616 1,2,3-TRICHLOROBENZENE		0.50U	ug/L
1330-20-7 TOTAL XYLENES		0.50U	ug/L
記載を記憶を使用を表示できます。 The first Transport Control Contro	AND THE RESERVE AND THE SECOND SECOND	groupem registration and court is properly be used to	A TELESCOPE STORE

Project Approval:

Refer to Page 1 for an explanation of Remark Codes

Report Date: 5/17/2006 9:48AM

Date: <u>5 19-06</u>

Page 5 of 5

Project Number: 06040021

\*Sorted By Sample ID

AH01724

Field/Station ID: EFFLUENT

Date Received: 4/7/2006

Matrix: Aqueous

Sample Description:

A	nalysis Type: Vo	OA GCMS LOW LEVEL DRINKING WATER		Remark_	
	CAS Number	Analyte Name	Result	Codes	<u>Units</u>
	75-43-4	DICHLORODIFLUOROMETHANE		0.50U	ug/L
	000074873	CHLOROMETHANE		0.50U	ug/L
	000075014	VINYL CHLORIDE		0.50U	ug/L
	000074839	BROMOMETHANE		1.0U	ug/L
i daniek er erenak	000075003	CHLOROETHANE		0.50U	ug/L
	000075694	TRICHLOROFLUOROMETHANE		0.50U	ug/L
	000075354	1,1-DICHLOROETHENE		0.50U	ug/L
	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE		0. <b>50</b> U	ug/L
	000075150	CARBON DISULFIDE		0.50U	ug/L
	000067641	ACETONE		U0.1	ug/L
a a service	79-20-9	METHYL ACETATE	en e	0.50U	ug/L
40	000075092	METHYLENE CHLORIGE		0.50U	ug/L
1.34 25 GW, 1750-24-3	000156605	TRANS-1,2-DICHLOROETHENE	energia de la compansión de la compansió	0.50U	ug/L
	001634044	METHYL TERT-BUTYLETHER	1.9		ug/L
	000075343	1,1-DICHLOROETHANE	2.0		ug/L
	000156592 594-20-7	CIS-1,2-DICHLOROETHENE	6.1	0.5011	ug/L
19 \$ 18 C Y 18 C Y	000078933	2,2-DICHLOROPROPANE 2-BUTANONE		0.50U 1. <b>0U</b>	ug/L
	000074975	BROMOCHLOROMETHANE		0.50U	ug/L ug/L
	000074973	CHLOROFORM 1		0.50U	ug/L ug/L
	71-55-6	1,1,1-TRICHLOROETHANE	5.7	V.200	ug/L ug/L
	110-82-7	CYCLOHEXANE	****	0.50U	ug/L
- 10 A 912 Y 38 12 P 5 A	000056235	CARBON TETRACHLORIDE		0.5 <b>0</b> U	ug/L
	000563586	I,I-DICHLOROPROPENE		0.50U	ug/L
	000071432	BENZENE	er gan harringen ver harring var harring.	0.50U	ug/L
	000107062	1,2-DICHLOROETHANE	- <del></del>	0,50U	ug/L
,	025323891	TRICHLOROETHENE	3.0		ug/L
	108-87-2	METHYLCYCLOHEXANE	<del></del> -	0.50U	ug/L
	000078875	1,2-DICHLOROPROPANE		0.50U	ug/L
	000074953	DIBROMOMETHANE (	·	0. <b>50</b> U	. ug/L
1,4813 524	000075274	BROMODICHLOROMETHANE		0.50U	ug/L
	010061015	CIS-1,3-DICHLOROPROPENE		0.50U	ug/L
	000108101	4-METHYL-2-PENTANONE	eee Tarana ay ay ay ay ay	1.0U	ug/L
	000108883	TOLUENE TO ANGLE OF OFFICE AND A STATE OF THE STATE OF TH		0.50U	ug/L
	010061026	TRANS-1,3-DICHLOROPROPENE	<del></del> 	0.50U	ug/L
	000079005	1,1,2-TRICHLOROETHANE		0.50U 0.50U	ug/L
	000127184	TETRACHLOROPTHENE			ug/L
	000142289	1,3-DICHLOROPROPANE	1.17. <del>17.</del> 11. 11. 12.	0.50U	ug/L

Refer to Page 1 for an explanation of Remark Codes

Report Date: 5/17/2006 9:48AM

Project Number: 06040021

\*Sorted By Sample ID

AH01723

Field/Station ID: INFLUENT

Date Received: 4/7/2006

Matrix: Aqueous

Sample Description:

Analysis Type: V	OA GCMS LOW LEVEL DRINKING WATER		Remark_	
CAS Number	Analyte Name	Result	<u>Codes</u>	<u>Units</u>
000630206	1,1,1,2-TETRACHLOROETHANE	***	0.5 <b>0</b> U	ug/L
100-41-4	ETHYLBENZENE		0.50U	ug/L
001330207	M/P-XYLENE		-0.50U	ug/L
000095476	O-XYLENE		0.50U	ug/L
000100425	STYRENE		0.50U	ug/L
000075252	BROMOFORM		0.50U	ug/L
000098828	ISOPROPYLBENZENE	<b></b> .	0.50U	ug/L
000108861	BROMOBENZENE		0.50U	ug/L
000096184	1,2,3-TRICHLOROPROPANE		0.5 <b>0</b> U	ug/L
000079345	1,1,2,2-TETRACHLOROETHANE		0.50U	ug/L
000103651	N-PROPYLBENZENE	·	0. <b>50</b> U	ug/L
000095498	2-CHLOROTOLUENE		0.50U	ug/L
106-43-4	4-CHILOROTOLUENE	,	0,50U	ug/L
000108678	1,3,5-TRIMETHYLBENZENE		0.50U	ug/L
000098066	TERT-BUTYLBENZENE		0.50U	ug/L
000095636	1,2,4-TRIMETHYLBENZENE		0.50U	ug/L
. 135-98-8	SEC-BUTYLBENZENE		0.50U,	ug/L
000541731	1,3-DICHLOROBENZENE		0.50U	ug/L
000106467	1,4-DICHLOROBENZENE		0.50U	ug/L
000095501	1,2-DICHLOROBENZENE		0.50U	ug/L
000099876	4-ISOPROPYLTOLUENE		0.50U	ug/L
000104518	N-BUTYLBENZENE		0.50U	ug/L
000096128	1,2-DIBROMO-3-CHLOROPROPANE	7	0.50U	ug/L
000120821	1,2,4-TRICHLOROBENZENE		0.50U	ug/L
<b>87-68-3</b>	HEXACHLOROBUTADIENE		0.50U	n6\T
000091203	NAPHTHALENE		0.50U	ug/L
000087616	1,2,3-TRICHLOROBENZENE TOTAL XYLENES		.0,50U ·	ug/L
1330-20-7	and the second s	 `0 92	0.50U NJ	ug/L
	ETHANE, 1,2-DICHLORO-1,1,2-TRIFL;RT=4.84	v.92	NJ, 7	ug/L

AH01724

Field/Station ID: EFFLUENT

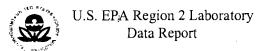
Date Received: 4/7/2006

Matrix: Aqueous

Sample Description:

Refer to Page 1 for an explanation of Remark Codes

Report Date: 5/17/2006 9:48AM Page 3 of 5



Project Number: 06040021

\*Sorted By Sample ID

AH01723

Field/Station ID: INFLUENT

Matrix: Aqueous

Sample Description:

Date Received: 4/7/2006

Analysis Type: VOA GCMS LOW LEVEL DRINKING WATER

CAS Number         Analyte Name         Result         Codes         Linis           73-43-4         DICHLORODIFLUOROMETHANE         —         0.50U         ug/L           000075014         VINYL CHLORIDE         42         ug/L           000075039         BROMOMETHANE         —         1.0U         ug/L           000075030         CHLOROETHANE         0.58         ug/L           00007504         TRICHLOROFLUOROMETHANE         —         0.50U         ug/L           900075554         I,1-DICELOROETHANE         3.9         ug/L           76-13-1         I,1,2-TRICHLORO-I,2,2-TRIFLUOROETHANE         3.9         ug/L           000075100         CARBON DISULFIDE         —         0.50U         ug/L           000075101         CARBON DISULFIDE         —         0.50U         ug/L           000075020         METHYL ACETATE         —         0.50U         ug/L           000075031         CARBON DISULFIDE         —         0.50U         ug/L           000075032         METHYLENE CHLORIDE         —         0.50U         ug/L           000075033         J. DICHLOROETHANE         —         0.50U         ug/L           000753343         J. DICHLOROETHANE         — <th>Analysis Type: VOA GCMS LOW LEVEL DRINKING WATER</th> <th></th> <th>Remark_</th> <th></th>	Analysis Type: VOA GCMS LOW LEVEL DRINKING WATER		Remark_	
75-43-4   DICHLORODIFLUOROMETHANE	CAS Number Analyte Name	Result		<u>Units</u>
000074873   CHLOROMETHANE			0.50U	
Q00075014	그는 그는 그는 그 사람들은 사람들은 사람들은 사람들은 사람들은 사람들이 되었다면 하는 사람들이 되었다. 그는 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은		CONTRACTOR OF THE PROPERTY OF THE PARTY.	COMMUNICATION OF A SECURE AND A SECURE ASSESSMENT OF A SECURE
000074839   BROMOMETHANE		4.2		and the second of the second of the second
000075093	・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・		1.0U	right it was a constitution of the fact was \$1000 .
000075594         TRICHLOROFILORO METHANE          0.50U         ug/L           000075354         I,1-DICHLOROETHENE         11         ug/L           76-13-1         I,1-Z-TRICHLORO-1,2-Z-TRIFLUOROETHANE         3.9         ug/L           000067641         ACETONE          0.50U         ug/L           000075092         METHYLACETATE          0.50U         ug/L           000075092         METHYLENE CHLORIDE          0.50U         ug/L           000156605         TRANS-1,2-DICHLOROETHENE          0.50U         ug/L           000456605         TRANS-1,2-DICHLOROETHENE         3.9         ug/L           000975343         1,1-DICHLOROETHANE         18         ug/L           000075692         CIS-1,2-DICHLOROETHANE         46         ug/L           000078933         2-BUTANONE          0.50U         ug/L           000078933         2-BUTANONE          0.50U         ug/L           00007663         CHLOROFORM          0.50U         ug/L           1004075         BROMOCHLOROMETHANE          0.50U         ug/L           00056235         CARBON TETRACHLORIDE	000075003 CHLOROETHANE	0.58		CONTRACTOR AND A CONTRA
000075554	000075694 TRICHLOROFLUOROMETHANE		0.50U	sub-record (Application Continued Continued Application of Continued Continu
000075150   CARBON DISULFIDE	000075354 I,1-DICHLOROETHENE	11.		COLOR TO TO AND THE SECRETARIOS OF THE CONTROL OF THE PROPERTY
000067641   ACETONE	76-13-1 1,1,2-TRICHLORO-1,2,2-TRIFLL OROETHANE	3.9		ug/L
79-20-9         METHYL ACETATE         —         0.50U         ug/L           000075092         METHYLENE CHLORIDE         —         0.50U         ug/L           000156605         TRANS-1,2-DICHLOROETHENE         —         0.50U         ug/L           001634044         METHYL TERT-BUTYL ETHER         3.9         ug/L           000075343         1,1-DICHLOROETHENE         18         ug/L           000156592         CIS-1,2-DICHLOROFTHENE         46         ug/L           594-20-7         2,2-DICHLOROPROPANE         —         0.50U         ug/L           000078933         2-BUTANONE         —         0.50U         ug/L           000074975         BROMOCHLOROMETHANE         —         0.50U         ug/L           000067663         CHLOROFORM         —         0.50U         ug/L           11-82-7         CYCLOHEXANE         —         0.50U         ug/L           00056355         CARBON TETRACHLORIDE         —         0.50U         ug/L           000563586         1,1-DICHLOROFROPENE         —         0.50U         ug/L           00071432         BENZENE         —         0.50U         ug/L           108-87-2         METHYLCYCLOHEXANE         —	000075150 CARBON DISULFIDE	···	0.50U	ug/L
000075092         METHYLENE CHLORIDE          0.50U         ug/L           000156605         TRANS-I,2-DICHLOROETHENE          0.50U         ug/L           00153604         METHYL TERT-BUTYL ETHER         3.9         ug/L           000075343         1,1-DICHLOROETHENE         18         ug/L           000156592         CIS-1,2-DICHLOROETHENE         46         ug/L           594-20-7         2,2-DICHLOROPROPANE          0.50U         ug/L           000078933         2-BUTANONE          0.50U         ug/L           000074975         BROMOCHLOROMETHANE          0.50U         ug/L           00007663         CHLOROFORM          0.50U         ug/L           10-82-7         CYCLOHEXANE          0.50U         ug/L           1000563356         1,1-DICHLOROPROPENE          0.50U         ug/L           000074322         BENZENE          0.50U         ug/L           00007432         BENZENE          0.50U         ug/L           000078875         1,2-DICHLOROFTHANE          0.50U         ug/L           108-87-2         METHYLCYCLOHEXANE        <	000067641 ACETONE		1.0U	ug/L
000156605         TRANS-1,2-DICHLORØETHENE          0.50U         ug/L           001634044         METHYL TERT-BUTYL ETHER         3.9         ug/L           000075343         1,1-DICHLOROETHANE         18         ug/L           000156592         CIS-1,2-DICHLOROETHENE         46         ug/L           594-20-7         2,2-DICHLOROPROPANE          0.50U         ug/L           000074975         BROMOCHLOROMETHANE          0.50U         ug/L           000067663         CHLOROFORM          0.50U         ug/L           110-82-7         CYCLOHEXANE          0.50U         ug/L           00056235         CARBON TETRACHLORIDE          0.50U         ug/L           00056358         1,1-DICHLOROPROPENE          0.50U         ug/L           000071432         BENZENE          0.50U         ug/L           0025323891         TRICHLOROETHANE          0.50U         ug/L           00078875         1,2-DICHLOROPROPANE          0.50U         ug/L           00078973         1,2-DICHLOROPROPANE          0.50U         ug/L           00078973         1,2-DICHLOROPROPENE<	79-20-9 METHYL ACETATE		0.50U	ug/L
001634044         METHYL TERT-BUTYL ETHER         3.9         ug/L           000075343         1,1-DICHLOROETHANE         18         ug/L           000156592         CIS-1,2-DICHLOROETHENE         46         ug/L           594-20-7         2,2-DICHLOROPROPANE         —         0.50U         ug/L           000078933         2-BUTANONE         —         1.0U         ug/L           000074975         BROMOCHLOROMETHANE         —         0.50U         ug/L           00006763         CHLOROFORM         —         0.50U         ug/L           110-82-7         CYCLOHEXANE         —         0.50U         ug/L           00056235         CARBON TETRACHLORIDE         —         0.50U         ug/L           000563586         1,1-DICHLOROPROPENE         —         0.50U         ug/L           000107062         1,2-DICHLOROETHANE         —         0.50U         ug/L           000107062         1,2-DICHLOROETHANE         —         0.50U         ug/L           108-87-2         METHYLCYCLOHEXANE         —         0.50U         ug/L           000078973         DIBROMOMETHANE         —         0.50U         ug/L           000078953         DIBROMOMETHANE         —	000075092 METHYLENE CHLORIDE		0.50U	ug/L
18	000156605 TRANS-1,2-DICHLORØETHENE		0.50U	ug/L
000156592         CIS-1,2-DICHLOROETHENE         46         ug/L           594-20-7         2,2-DICHLOROPROPANE         0,50U         ug/L           000078933         2-BUTANONE          1.0U         ug/L           000074975         BROMOCHLOROMETHANE          0,50U         ug/L           000067663         CHLOROFORM          0,50U         ug/L           110-82-7         CYCLOHEXANE          0,50U         ug/L           00056335         CARBON TETRACHLORIDE          0,50U         ug/L           00056356         1,1-DICHLOROPROPENE          0,50U         ug/L           000107062         1,2-DICHLOROETHANE          0,50U         ug/L           0025323891         TRICHLOROETHENE         42         ug/L           108-87-2         METHYLCYCLOHEXANE          0,50U         ug/L           000078875         1,2-DICHLOROPROPANE          0,50U         ug/L           000074953         DIBROMOMETHANE          0,50U         ug/L           000075274         BROMODICHLOROMETHANE          0,50U         ug/L           000108101         4-METHYL-2-PENTANO		3.9		ug/L
594-20-7   2,2-DICHLOROPROPANE		18		ug/L
1.0U ug/L   1.00074975   BROMOCHLOROMETHANE     0.50U ug/L   1.000074975   BROMOCHLOROMETHANE     0.50U ug/L   1.000067663   CHLOROFORM     0.50U ug/L   1.0007663   CHLOROFORM     0.50U ug/L   1.0007663   CYCLOHEXANE   140   ug/L   1.000766235   CARBON TETRACHLORIDE     0.50U ug/L   1.000763386   1,1-DICHLOROPROPENE     0.50U ug/L   1.00071432   BENZENE     0.50U ug/L   1.00071432   BENZENE     0.50U ug/L   1.00071432   BENZENE     0.50U ug/L   1.00071432   TRICHLOROETHANE     0.50U ug/L   1.08-87-2   METHYLCYCLOHEXANE     0.50U ug/L   1.08-87-2   METHYLCYCLOHEXANE     0.50U ug/L   1.000074953   DIBROMOMETHANE     0.50U ug/L   1.000075274   BROMODICHLOROMETHANE     0.50U ug/L   1.0001015   CIS-1,3-DICHLOROPROPENE     0.50U ug/L   1.00010883   TOLUENE     0.50U ug/L   1.00010883   TOLUENE     0.50U ug/L   1.00010883   TOLUENE     0.50U ug/L   1.00010883   TOLUENE     0.50U ug/L   1.00010800   TRANS-1,3-DICHLOROPROPENE     0.50U ug/L   1.000079005   1,1,2-TRICHLOROPROPENE     0.50U ug/L   1.000079005   1.000079005   1,		46		ug/L
000074975         BROMOCHLOROMETHANE			and the second s	ug/L
000067663         CHLOROFORM          0.50U         ug/L           71-55-6         I,1,1-TRICHLOROETHANE         140         ug/L           110-82-7         CYCLOHEXANE          0.50U         ug/L           000056235         CARBON TETRACHLORIDE          0.50U         ug/L           000563586         I,1-DICHLOROPROPENE          0.50U         ug/L           000071432         BENZENE          0.50U         ug/L           00107062         I,2-DICHLOROETHANE          0.50U         ug/L           025323891         TRICHLOROETHENE         42         ug/L           108-87-2         METHYLCYCLOHEXANE          0.50U         ug/L           000078875         I,2-DICHLOROPROPANE          0.50U         ug/L           000074953         DIBROMOMETHANE          0.50U         ug/L           000075274         BROMODICHLOROMETHANE          0.50U         ug/L           000108101         4-METHYL-2-PENTANONE          0.50U         ug/L           00108883         TOLUENE          0.50U         ug/L           0010061026         TRANS-1,3-			and the second of the second of the second of	A service of the serv
71-55-6         1,1,1-TRICHLOROETHANE         140         ug/L           110-82-7         CYCLOHEXANE          0.50U         ug/L           000056235         CARBON TETRACHLORIDE          0.50U         ug/L           000563586         1,1-DICHLOROPROPENE          0.50U         ug/L           000071432         BENZENE          0.50U         ug/L           000107062         1,2-DICHLOROETHANE          0.50U         ug/L           025323891         TRICHLOROFTHENE         42         ug/L           108-87-2         METHYLCYCLOHEXANE          0.50U         ug/L           000078875         1,2-DICHLOROPROPANE          0.50U         ug/L           000074953         DIBROMOMETHANE          0.50U         ug/L           000075274         BROMODICHLOROMETHANE          0.50U         ug/L           000108101         4-METHYL-2-PENTANONE          0.50U         ug/L           000108883         TOLUENE          0.50U         ug/L           010061026         TRANS-1,3-DICHLOROPROPENE          0.50U         ug/L           0000079005	No. 1		CALLES CONTRACTOR OF THE CONTR	Control of the Contro
T10-82-7   CYCLOHEXANE	and the control of th		0.50U	
000056235         CARBON TETRACHLORIDE		140		1000/3601015 (2010) - 1000 <u>- 1000</u> 000 (40000) (40000 (40000 (40000 (40000 (40000 (40000 (40000 (40000 (40000) (40000 (40000 (40000 (40000 (40000 (40000 (40000 (40000 (40000) (400000 (40000 (400000 (40000 (40000 (40000 (40000 (40000 (40000) (40000 (40000 (40000 (40000 (40000 (40000 (40000 (40000 (40000) (40000 (40000 (40000 (40000 (40000) (4000)
000563586       I,1-DICHLOROPROPENE        0.50U       ug/L         000071432       BENZENE        0.50U       ug/L         000107062       I,2-DICHLOROETHANE        0.50U       ug/L         025323891       TRICHLOROETHENE       42       ug/L         108-87-2       METHYLCYCLOHEXANE        0.50U       ug/L         000078875       I,2-DICHLOROPROPANE        0.50U       ug/L         000074953       DIBROMOMETHANE        0.50U       ug/L         000075274       BROMODICHLOROMETHANE        0.50U       ug/L         010061015       CIS-1,3-DICHLOROPROPENE        0.50U       ug/L         000108101       4-METHYL-2-PENTANONE        1.0U       ug/L         001008103       TOLUENE        0.50U       ug/L         010061026       TRANS-1,3-DICHLOROPROPENE        0.50U       ug/L         000079005       1,1,2-TRICHLOROETHANE        0.50U       ug/L				and the second of the second o
000071432         BENZENE          0.50U         ug/L           000107062         1,2-DICHLOROETHANE          0.50U         ug/L           025323891         TRICHLOROETHENE         42         ug/L           108-87-2         METHYLCYCLOHEXANE          0.50U         ug/L           000078875         1,2-DICHLOROPROPANE          0.50U         ug/L           000074953         DIBROMOMETHANE          0.50U         ug/L           010061015         CIS-1,3-DICHLOROPROPENE          0.50U         ug/L           000108101         4-METHYL-2-PENTANONE          1.0U         ug/L           000108883         TOLUENE          0.50U         ug/L           010061026         TRANS-1,3-DICHLOROPROPENE          0.50U         ug/L           000079005         1,1,2-TRICHLOROETHANE          0.50U         ug/L	,我们就是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个		CONTRACTOR AND A SECURITION OF THE SECURITION OF	ACCOUNT A CONTROL OF THE PROPERTY OF THE PARTY OF THE PAR
000107062       1,2-DICHLOROETHANE        0.50U       ug/L         025323891       TRICHLOROETHENE       42       ug/L         108-87-2       METHYLCYCLOHEXANE        0.50U       ug/L         000078875       1,2-DICHLOROPROPANE        0.50U       ug/L         000074953       DIBROMOMETHANE        0.50U       ug/L         000075274       BROMODICHLOROMETHANE        0.50U       ug/L         010061015       CIS-1,3-DICHLOROPROPENE        0.50U       ug/L         000108101       4-METHYL-2-PENTANONE        0.50U       ug/L         000108883       TOLUENE        0.50U       ug/L         010061026       TRANS-1,3-DICHLOROPROPENE        0.50U       ug/L         000079005       1,1,2-TRICHLOROETHANE        0.50U       ug/L	The state of the s	ingen om en skriver skriver i skrive		Minney of A. Control (M. Control & C. Marchaller, N. A. A. A. A. Control & C. Contr
025323891         TRICHLOROETHENE         42         ug/L           108-87-2         METHYLCYCLOHEXANE          0.50U         ug/L           000078875         1,2-DICHLOROPROPANE          0.50U         ug/L           000074953         DIBROMOMETHANE          0.50U         ug/L           010061015         CIS-1,3-DICHLOROPROPENE          0.50U         ug/L           000108101         4-METHYL-2-PENTANONE          0.50U         ug/L           00108883         TOLUENE          0.50U         ug/L           010061026         TRANS-1,3-DICHLOROPROPENE          0.50U         ug/L           000079005         1,1,2-TRICHLOROETHANE          0.50U         ug/L			CONTRACTOR CONTRACTOR AND CONTRACTOR	00020640804 7464 440 H-04-444400 P004004 - 1464 F-1-1-44
108-87-2   METHYLCYCLOHEXANE			0.500	
000078875         1,2-DICHLOROPROPANE          0.50U         ug/L           000074953         DIBROMOMETHANE          0.50U         ug/L           000075274         BROMODICHLOROMETHANE          0.50U         ug/L           010061015         CIS-1,3-DICHLOROPROPENE          0.50U         ug/L           000108101         4-METHYL-2-PENTANONE          1.0U         ug/L           000108883         TOLUENE          0.50U         ug/L           010061026         TRANS-1,3-DICHLOROPROPENE          0.50U         ug/L           000079005         1,1,2-TRICHLOROETHANE          0.50U         ug/L		42	0.5011	Committee and the committee of the commi
000074953         DIBROMOMETHANE          0.50U         ug/L           000075274         BROMODICHLOROMETHANE          0.50U         ug/L           010061015         CIS-1,3-DICHLOROPROPENE          0.50U         ug/L           000108101         4-METHYL-2-PENTANONE          1.0U         ug/L           000108883         TOLUENE          0.50U         ug/L           010061026         TRANS-1,3-DICHLOROPROPENE          0.50U         ug/L           000079005         1,1,2-TRICHLOROETHANE          0.50U         ug/L				
000075274         BROMODICHLOROMETHANE          0.50U         ug/L           010061015         CIS-1,3-DICHLOROPROPENE          0.50U         ug/L           000108101         4-METHYL-2-PENTANONE          1.0U         ug/L           000108883         TOLUENE          0.50U         ug/L           010061026         TRANS-1,3-DICHLOROPROPENE          0.50U         ug/L           000079005         1,1,2-TRICHLOROETHANE          0.50U         ug/L			BONE CONTRACTOR	Books and the control of the Control
010061015       CIS-1,3-DICHLOROPROPENE        0.50U       ug/L         000108101       4-METHYL-2-PENTANONE        1.0U       ug/L         000108883       TOLUENE        0.50U       ug/L         010061026       TRANS-1,3-DICHLOROPROPENE        0.50U       ug/L         000079005       1,1,2-TRICHLOROETHANE        0.50U       ug/L		-vii ( 1889 <u>-18</u> 7-47, 833)	The second of the second	And the second s
000108101       4-METHYL-2-PENTANONE       1.0U ug/L         000108883       TOLUENE       0.50U ug/L         010061026       TRANS-1,3-DICHLOROPROPENE       0.50U ug/L         000079005       1,1,2-TRICHLOROETHANE       0.50U ug/L	- 1 1 1 1 1 2 2 2 3 2 3 2 3 2 3 2 3 2 3 2		GROUP STATEMENT TO A SECTION STATEMENT OF THE STATEMENT OF THE SECTION STATEMENT STATEMENT OF THE SECTION STATEMENT STATE	Statistics - Color Balk Co. 1 117 1 20 2 20 2 20 2 20 2
000108883       TOLUENE        0.50U       ug/L         010061026       TRANS-1,3-DICHLOROPROPENE        0.50U       ug/L         000079005       1,1,2-TRICHLOROETHANE        0.50U       ug/L				
010061026       TRANS-1,3-DICHLOROPROPENE        0.50U       ug/L         000079005       1,1,2-TRICHLOROETHANE        0.50U       ug/L	000108883 TOLUENE		0.5011	
000079005 1,1,2-TRICHLOROETHANE 0.50U ug/L			and the state of the state of	<del></del>
		(a.c. 11 (18 da.41) 2 da 3 	Same Section of the s	A DARWARD CONTINUES NO THE SECOND OF
THE REPORT OF THE INTERIOR OF THE INDICATE OF	000127184 TETRACHLOROETHENE		0.50U	og/L
000142289 1,3-DICHLOROPROPANE 0.50U ug/L	- アン・カー・フェール コン・ディング 1972年 アイドライン アン・アン・アン・アン・アン・アン・アン・アン・アン・アン・アン・アン・アン・ア		医乳腺性结肠炎 医外头 经证金 化氯化甲基磺酸二氮	details and the control of 1990 and a second of
000124481 DIBROMOCHLOROMETHANE 0.50U ug/L			controller at the second of the second	Mark Study and as a few of the state of the
000106934 1,2-DIBROMOETHANE 0.50U ug/L			医骶骨囊膜炎 人名英格雷斯 医心脏性炎 医二十二氏征	entropia presidente de la constantina della cons
000591786 2-HEXANONE 1.0U ug/L			1 1 10 1 10 10 10 1 1 1 1 1 1 1 1 1 1 1	
000108907 CHLOROBENZENE 0.50U ug/L	000108907 CHLOROBENZENE	ne av klastimentet e <del>ene</del>	and the state of t	The state of the s

Refer to Page 1 for an explanation of Remark Codes

Report Date: 5/17/2006 9:48AM



# U.S. Environmental Protection Agency Region 2 Laboratory 2890 Woodbridge Avenue Edison, NJ 08837

Data Report: Vestal Well 1-1 [04/06]

Project Number: 06040021

Program: Y206E

Project Leader: L. Arabia

Remark Codes	Explanation
U	THE ANALYTE WAS NOT DETECTED AT OR ABOVE THE REPORTING LIMIT.
J	THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE IS AN ESTIMATE.
เม	THE ANALYTE WAS NOT DETECTED AT OR ABOVE THE REPORTING LIMIT. THE REPORTING LIMIT IS AN ESTIMATE.
N	THERE IS PRESUMPTIVE EVIDENCE THAT THE ANALYTE IS PRESENT; THE ANALYTE IS REPORTED AS A TENTATIVE IDENTIFICATION.
NJ	THERE IS PRESUMPTIVE EVIDENCE THAT THE ANALYTE IS PRESENT; THE ANALYTE IS REPORTED AS A TENTATIVE IDENTIFICATION. THE REPORTED VALUE IS AN ESTIMATE.
R	THE PRESENCE OR ABSENCE OF THE ANALYTE CANNOT BE DETERMINED FROM THE DATA DUE TO SEVERE QUALITY CONTROL PROBLEMS. THE DATA ARE REJECTED AND CONSIDERED UNUSABLE.
К	THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE MAY BE BIASED HIGH. THE ACTUAL VALUE IS EXPECTED TO BE LESS THAN THE REPORTED VALUE.
L	THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE MAY BE BIASED LOW. THE ACTUAL VALUE IS EXPECTED TO BE GREATER THAN THE REPORTED VALUE.
NV	NOT VALIDATED
INC	RESULT NOT ENTERED

## Case Narrative: Vestal 1-1. #06040021

The National Environmental Laboratory Accreditation Conference (NELAC) is a voluntary environmental laboratory accreditation association of State and Federal agencies. NELAC established and promoted a national accreditation program that provides a uniform set of standards for the generation of environmental data that are of known and defensible quality. The EPA Region 2 Laboratory is NELAC accredited. The Laboratory tests that are accredited have met all the requirements established under the NELAC Standards.

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None

### Reporting Limit(s):

The Laboratory was able to achieve the Contract Required Quantitation Limits (CRQLs), where applicable, for each analyte requested except for the following analyte(s):

Volatile Organic Compounds: The CRQL for Bromomethane is 0.5 ug/L. Due to problems associated with the initial calibration curve, the reporting limit was raised to 1.0 ug/L.

## Method(s):

Low Level Volatile Organic Analysis, ESAT-SOP-132 (GC/MS Method)

Approval:(	) dl.	- Ima	Date: 5-19-06	
<u> </u>	7			