POST-CLOSURE PERMIT
2009 ANNUAL REPORT
HAZARDOUS WASTE MANAGEMENT PERMIT
FORMER TEXACO RESEARCH CENTER
Beacon, New York

6NYCRR PART 373
NYSDEC ID # 3-1330-48/16-0
EPA ID# 091894899

Prepared For:

Chevron Environment Management Company

Mr. Mark Hendrickson
Chevron Bellaire Office Building
4800 Fournace Place, Room E-534C
Bellaire, TX 77401

Prepared By:

PARSONS

301 Plainfield Road, Suite 350
Syracuse, New York 13212
Phone: (315) 451-9560
Fax: (315) 451-9570

REVIEWED AND APPROVED BY:

Project Manager: _____ _____
Date

Technical Manager: _____ _____
Date

APRIL 2009

TABLE OF CONTENTS

LIST OF TABLES

TABLE OF CONTENTS
(CONTINUED)

LIST OF TABLES (Con't)

LIST OF FIGURES

LIST OF APPENDICES

LIST OF ACRONYMS

µg/L	Micrograms per liter
bgs	Below ground surface
Class GA Water Standards	Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998 (NYSDEC document).
NAD-1983	New York State Plane Coordinate System, East Zone – 1983
NAVD	North America Vertical Datum
NYSDEC	New York State Department of Environmental Conservation
Permit	6 NYCRR Part 373 Hazardous Waste Management Permit #3-1330-00048/16.0
PVC	Polyvinyl Chloride
SVOCs	Semivolatile organic compounds
Tank Farm	Washington Avenue Tank Farm
USEPA	United States Environmental Protection Agency
VOCs	Volatile organic compounds

1.0 INTRODUCTION

This annual report is submitted in accordance with the requirements of the New York State Department of Environmental Conservation (NYSDEC) 6 NYCRR Part 373 Hazardous Waste Management Permit #3-1330-00048/16-0 (Permit) for the Former Texaco Research Center, located in Beacon, New York (See Figure 1). The Permit requires the collection of groundwater samples on a semiannual basis at the former Recreation and Tank Farm Areas at the former Research Center. This annual report contains a brief description of the calendar year 2009 groundwater monitoring and sampling events, along with a comparison of analytical results to the Class GA water standards as listed in the NYSDEC document entitled, "*Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*, dated June 1998" contained in the Permit. A brief discussion of the Class GA Water Standards is presented below, as well as groundwater flow within the former Recreation Area and vicinity.

2.0 CLASS GA WATER STANDARD AND GUIDANCE VALUES DESCRIPTION

Class GA Water Standards and guidance values are standards set forth by the NYSDEC to be used where there are no standards or guidance values specifically established by NYSDEC to be applied to a site's groundwater quality. The standards and guidance values are ambient water quality values developed to protect the State's water.

3.0 PROJECT SCOPE

The following monitoring wells located in the Recreation and Tank Farm Areas were sampled during the sampling event:

- DC-1
- DC-2
- TF-5
- TF-23
- DB-8A
- DB-17
- OS-2
- OR-2
- OS-3
- OR-3

The sampling events took place in July and November of 2009. The monitoring well locations are shown on Figure 2.

4.0 GROUNDWATER MONITORING

The groundwater monitoring events, covered by this annual report occurred on July 13th through July 15th, 2009 and November 9th through November 11th, 2009.

During the sampling events, the well condition, groundwater level, well depth, physical appearance, well evacuation information, and sampling parameters were documented on a Groundwater Sampling Record Log (see Appendix A). The sampling information recorded included the time and purge volume measurements. Samples were collected after these field parameters were recorded. Groundwater elevations obtained during the field events are presented in Tables 1 and 2.

In addition to each sample being collected, one (1) trip blank was analyzed per event. The samples were properly containerized and transported to Lancaster Laboratories in Lancaster, Pennsylvania for chemical analyses.

5.0 HYDROGEOLOGY

Prior to purging and sampling activities of the wells referenced above, the depth to water was measured at each well location in order to determine ground flow direction and hydraulic gradient within the Recreation Area and surrounding vicinity. Depth to water measurements were obtained using an electrical contact probe and measured from the top edge of the permanent PVC casing. These reference points were resurveyed (Fall 2006) for elevation and x-y coordinates. Vertical elevations were surveyed to an accuracy and precision of 0.01 feet, while horizontal coordinate accuracy was 0.10 feet or better. Coordinates were fixed to a nearby established benchmark. New York State Plane Coordinate System, East Zone (NAD -1983) system was used for the horizontal datum, while the vertical datum used the site vertical datum established by Texaco in 1957. This datum is 1.07 feet below North American Vertical Datum (NAVD) 1988 Coordinate System. The work was performed by Badey and Watson Surveying and Engineering, P.C. of Cold Spring, New York, a New York State licensed land surveyor.

Groundwater was encountered at depths varying from 2.67 feet (July 2009) to 22.10 feet (November 2009) below ground surface (bgs) and a groundwater divide was also observed to exist within the Recreation Area. The divide exists between wells DC-1 and DC-2 with groundwater flowing to the north to northwest north of well DC-2 under a general hydraulic gradient of approximately 0.023 feet/foot, while groundwater flow south of well DC-2 is south to southeast under a general hydraulic gradient of approximately 0.0031 feet/foot. The groundwater north of the divide flows towards Fishkill Creek, while groundwater south of the divide flows towards an unnamed creek located east of the Recreation Area. The unnamed creek flows to the northeast, based on topography, and eventually into the Fishkill Creek. The above information is based on two rounds of water level measurement (July 2009 and November 2009). Water level data from both groundwater monitoring/sampling events are presented in Tables 1 and 2 and graphically depicted in Figures 3 and 4.

6.0 ANALYSES OF GROUNDWATER SAMPLES

The groundwater samples were analyzed according to United States Environmental Protection Agency (USEPA) Method 8260 for volatile organic compounds (VOCs), USEPA Method 8270 for semivolatile organic compounds (SVOCs), and lead by USEPA Method 6010B. All samples analyzed for lead were filtered by the laboratory prior to analysis in order to remove all fines (silt and clay particles). The duplicate sample (labeled TF-123) was collected from Well TF-23 during the July 2009 sampling event and the duplicate sample (labeled DB-108A) collected from Well DB-8A during the November 2009 sampling event indicate acceptable precision according to USEPA guidelines and Parsons internal validation of the sample data from both sampling events. Validation of the groundwater sample results was

performed by a Parsons chemist and validation reports were generated. Copies of the validation reports are provided in Appendix B and the summary of analytical results is presented in Tables 3 through 24. A historical analytical summary table is also provided in Appendix C.

Two of the ten groundwater monitoring wells sampled in July and November of 2009 contained constituents that exceeded the respective NYSDEC Class GA Water Standards. In July and November 2009, concentrations of 1,2-dichloroethene and trichloroethene were observed in Well DC-1, while Well DB-8A only contained one compound (trichloroethene) exceeded NYSDEC groundwater criteria.

In addition, one SVOC parameter (hexachlorobutadiene) was detected in Well DB-8A from both sampling events that exceeded the Class GA Water standards. The presence of the SVOC has been detected in the well at approximately the same concentration (4 to 6 µg/L) since 2006, as reported in the Parsons report entitled, "*Post-Closure Permit 2008 Annual Report, Hazardous Waste Management Permit, Former Texaco Research Center, Beacon New York*", dated May 2009.

With the parameter being present at the same well location historically and no evidence of migration of the SVOC over the years, it can be concluded that the parameter is a local analytical anomaly and poses no significant threat to the surrounding community and/or environment. However, the parameter will be monitored during future groundwater sampling events and the NYSDEC will be notified and appropriate action will be taken if migration of the SVOC parameter is detected in surrounding downgradient groundwater monitoring wells.

TABLES

Table 1
July 2009 Semiannual Groundwater Elevations
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY

Well ID	Top of Casing Elevation (feet)[(1)]	July 2009 Sampling Event	
		Field Data	Groundwater Elevation
DC-1	229.30	3.15	226.15
DC-2	229.10	2.67	226.43
TF-5	207.58	6.14	201.44
TF-23	207.20	6.80	200.40
DB-8A	232.60	6.68	225.92
DB-17	231.77	8.06	223.71
OS-2	221.76	5.73	216.03
OR-2	221.92	6.17	215.75
OS-3	233.02	3.91	229.11
OR-3	233.23	19.47	213.76

Note: (1) Top of casing elevations derived from Badey and Watson, Surveying and Engineering, P.C. map dated January 27, 2007.

Table 2
November 2009 Semiannual Groundwater Elevations
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY

Well ID	Top of Casing Elevation (feet)[(1)]	November 2009 Sampling Event	
		Field Data	Groundwater Elevation
DC-1	229.30	3.89	225.41
DC-2	229.10	3.68	225.42
TF-5	207.58	7.45	200.13
TF-23	207.20	7.80	199.40
DB-8A	232.60	7.30	225.30
DB-17	231.77	8.50	223.27
OS-2	221.76	5.75	216.01
OR-2	221.92	7.0	214.92
OS-3	233.02	3.40	229.62
OR-3	233.23	22.10	211.13

Note: (1) Top of casing elevations derived from Badey and Watson, Surveying and Engineering, P.C. map dated January 27, 2007

Table 3
July 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well DC-1

Constituent [1] µg/L	Class GA Water Standard[7]	July 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	**6.0**
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	**10.0**
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	16.0
Total SVOCs[5]	NA	0.0
Lead, filtered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."
ND Parameter not-detected at or above the method detection limit.
NA No applicable standard or guidance value.
Concentration exceeds Class GA water standard.

Table 4
July 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well DC-2

Constituent [1] µg/L	Class GA Water Standard[7]	July 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, filtered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).

(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.

(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.

(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.

(5) Refer to Appendix C for details.

(6) New York State Ambient Water Quality, June 1998 Criteria.

(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."

ND Parameter not-detected at or above the method detection limit.

NA No applicable standard or guidance value.

Table 5
July 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well TF-5

Constituent [1] µg/L	Class GA Water Standard[7]	July 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, filtered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).

(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.

(3) 1, 2-Dichloroethene is the sum of trans -1, 2-dichloroethene and cis-1, 2-dichloroethene.

(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.

(5) Refer to Appendix C for details.

(6) New York State Ambient Water Quality, June 1998 Criteria.

(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."

ND Parameter not-detected at or above the method detection limit.

NA No applicable standard or guidance value.

Table 6
July 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well TF-23

Constituent [1] µg/L	Class GA Water Standard[7]	July 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, filtered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).

(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.

(3) 1, 2-Dichloroethene is the sum of trans -1, 2-dichloroethene and cis-1, 2-dichloroethene.

(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.

(5) Refer to Appendix C for details.

(6) New York State Ambient Water Quality, June 1998 Criteria.

(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."

ND Parameter not-detected at or above the method detection limit.

NA No applicable standard or guidance value.

Table 7
July 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well TF-123(Duplicate Sample of Monitoring Well TF-23)

Constituent [1] µg/L	Class GA Water Standard[7]	July 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2][6]	ND
Bromoform	50[2][6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2][6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, filtered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).

(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.

(3) 1, 2-Dichloroethene is the sum of trans -1, 2-dichloroethene and cis-1, 2-dichloroethene.

(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.

(5) Refer to Appendix C for details.

(6) New York State Ambient Water Quality, June 1998 Criteria.

(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."

ND Parameter not-detected at or above the method detection limit.

NA No applicable standard or guidance value.

Table 8
July 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well DB-8A

Constituent [1] µg/L	Class GA Water Standard[7]	July 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	**7.0**
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	7.0
Total SVOCs[5]	NA	4.0 J
Leads, filtered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1, 2-Dichloroethene is the sum of trans -1, 2-dichloroethene and cis-1, 2-dichloroethene.
(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."
ND Parameter not-detected at or above the method detection limit.
NA No applicable standard or guidance value.
Concentration exceeds Class GA water standard.
J Estimated Value.

Table 9
July 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well DB-17

Constituent [1] µg/L	Class GA Water Standard[7]	July 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2][6]	ND
Bromoform	50[2][6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2][6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, filtered	25	NA

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).

(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.

(3) 1, 2-Dichloroethene is the sum of trans -1, 2-dichloroethene and cis-1, 2-dichloroethene.

(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.

(5) Refer to Appendix C for details.

(6) New York State Ambient Water Quality, June 1998 Criteria.

(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."

ND Parameter not-detected at or above the method detection limit.

NA No applicable standard or guidance value or not analyzed due to insufficient volume of groundwater present in well at the time of the sampling event.

Table 10
July 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well OS-2

Constituent [1] µg/L	Class GA Water Standard[7]	July 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, filtered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1, 2-Dichloroethene is the sum of trans -1, 2-dichloroethene and cis-1, 2-dichloroethene.
(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."
ND Parameter not-detected at or above the method detection limit.
NA No applicable standard or guidance value.

Table 11
July 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well OR-2

Constituent [1] µg/L	Class GA Water Standard[7]	July 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2][6]	ND
Bromoform	50[2][6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2][6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, filtered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1, 2-Dichloroethene is the sum of trans -1, 2-dichloroethene and cis-1, 2-dichloroethene.
(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."
ND Parameter not-detected at or above the method detection limit.
NA No applicable standard or guidance value.

Table 12
July 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well OS-3

Constituent [1] µg/L	Class GA Water Standard[7]	July 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, filtered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1, 2-Dichloroethene is the sum of trans -1, 2-dichloroethene and cis-1, 2-dichloroethene.
(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."
ND Parameter not-detected at or above the method detection limit.
NA No applicable standard or guidance value.

Table 13
July 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well OR-3

Constituent [1] µg/L	Class GA Water Standard[7]	July 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, filtered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).

(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.

(3) 1, 2-Dichloroethene is the sum of trans -1, 2-dichloroethene and cis-1, 2-dichloroethene.

(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.

(5) Refer to Appendix C for details.

(6) New York State Ambient Water Quality, June 1998 Criteria.

(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."

ND Parameter not-detected at or above the method detection limit.

NA No applicable standard or guidance value.

Table 14
November 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well DC-1

Constituent [1] µg/L	Class GA Water Standard[7]	November 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	**5J**
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	**9**
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	14 J
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1, 2-Dichloroethene is the sum of trans -1, 2-dichloroethene and cis-1, 2-dichloroethene.
(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."
ND Parameter not-detected at or above the method detection limit.
NA No applicable standard or guidance value.
Concentration exceeds Class GA water standard.
J Estimated Value.

Table 15
November 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well DC-2

Constituent [1] µg/L	Class GA Water Standard[7]	November 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1, 2-Dichloroethene is the sum of trans -1, 2-dichloroethene and cis-1, 2-dichloroethene.
(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."
ND Parameter not-detected at or above the method detection limit.
NA No applicable standard or guidance value.

Table 16
November 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well TF-5

Constituent [1] µg/L	Class GA Water Standard[7]	November 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).

(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.

(3) 1, 2-Dichloroethene is the sum of trans -1, 2-dichloroethene and cis-1, 2-dichloroethene.

(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.

(5) Refer to Appendix C for details.

(6) New York State Ambient Water Quality, June 1998 Criteria.

(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."

ND Parameter not-detected at or above the method detection limit.

NA No applicable standard or guidance value.

Table 17
November 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well TF-23

Constituent [1] µg/L	Class GA Water Standard[7]	November 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2][6]	ND
Bromoform	50[2][6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2][6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Leads, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1, 2-Dichloroethene is the sum of trans -1, 2-dichloroethene and cis-1, 2-dichloroethene.
(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."
ND Parameter not-detected at or above the method detection limit.
NA No applicable standard or guidance value.

Table 18
November 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well DB-8A

Constituent [1] µg/L	Class GA Water Standard[7]	November 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	1.0 J
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	1.0 J
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	**6.0**
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	7 J
Total SVOCs[5]	NA	4 J
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1, 2-Dichloroethene is the sum of trans -1, 2-dichloroethene and cis-1, 2-dichloroethene.
(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."
ND Parameter not-detected at or above the method detection limit.
NA No applicable standard or guidance value.
Concentration exceeds Class GA water standard.
J Estimated value.

Table 19
November 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well DB-108A
(Duplicate Sample of Monitoring Well DB-8A)

Constituent [1] µg/L	Class GA Water Standard[7]	November 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	1 J
Benzene	1.0	ND
Bromodichloromethane	50[2][6]	ND
Bromoform	50[2][6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	1 J
Chloromethane	5	ND
Dibromochloromethane	50[2][6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	**6**
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	7 J
Total SVOCs[5]	NA	4 J
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1, 2-Dichloroethene is the sum of trans -1, 2-dichloroethene and cis-1, 2-dichloroethene.
(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."
ND Parameter not-detected at or above the method detection limit.
NA No applicable standard or guidance value.
Concentration exceeds Class GA water standard.
J Estimated value.

Table 20
November 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well DB-17

Constituent [1] µg/L	Class GA Water Standard[7]	November 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1, 2-Dichloroethene is the sum of trans -1, 2-dichloroethene and cis-1, 2-dichloroethene.
(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."
ND Parameter not-detected at or above the method detection limit.
NA No applicable standard or guidance value.

Table 21
November 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well OS-2

Constituent [1] µg/L	Class GA Water Standard[7]	November 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2][6]	ND
Bromoform	50[2][6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2][6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1, 2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."
ND Parameter not-detected at or above the method detection limit.
NA No applicable standard or guidance value.

Table 22
November 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well OR-2

Constituent [1] µg/L	Class GA Water Standard[7]	November 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1, 2-Dichloroethene is the sum of trans -1, 2-dichloroethene and cis-1, 2-dichloroethene.
(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."
ND Parameter not-detected at or above the method detection limit.
NA No applicable standard or guidance value.

Table 23
November 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well OS-3

Constituent [1] µg/L	Class GA Water Standard[7]	November 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1, 2-Dichloroethene is the sum of trans -1, 2-dichloroethene and cis-1, 2-dichloroethene.
(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."
ND Parameter not-detected at or above the method detection limit.
NA No applicable standard or guidance value.

Table 24
November 2009 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Former Texaco Research Center, Beacon, NY
Well OR-3

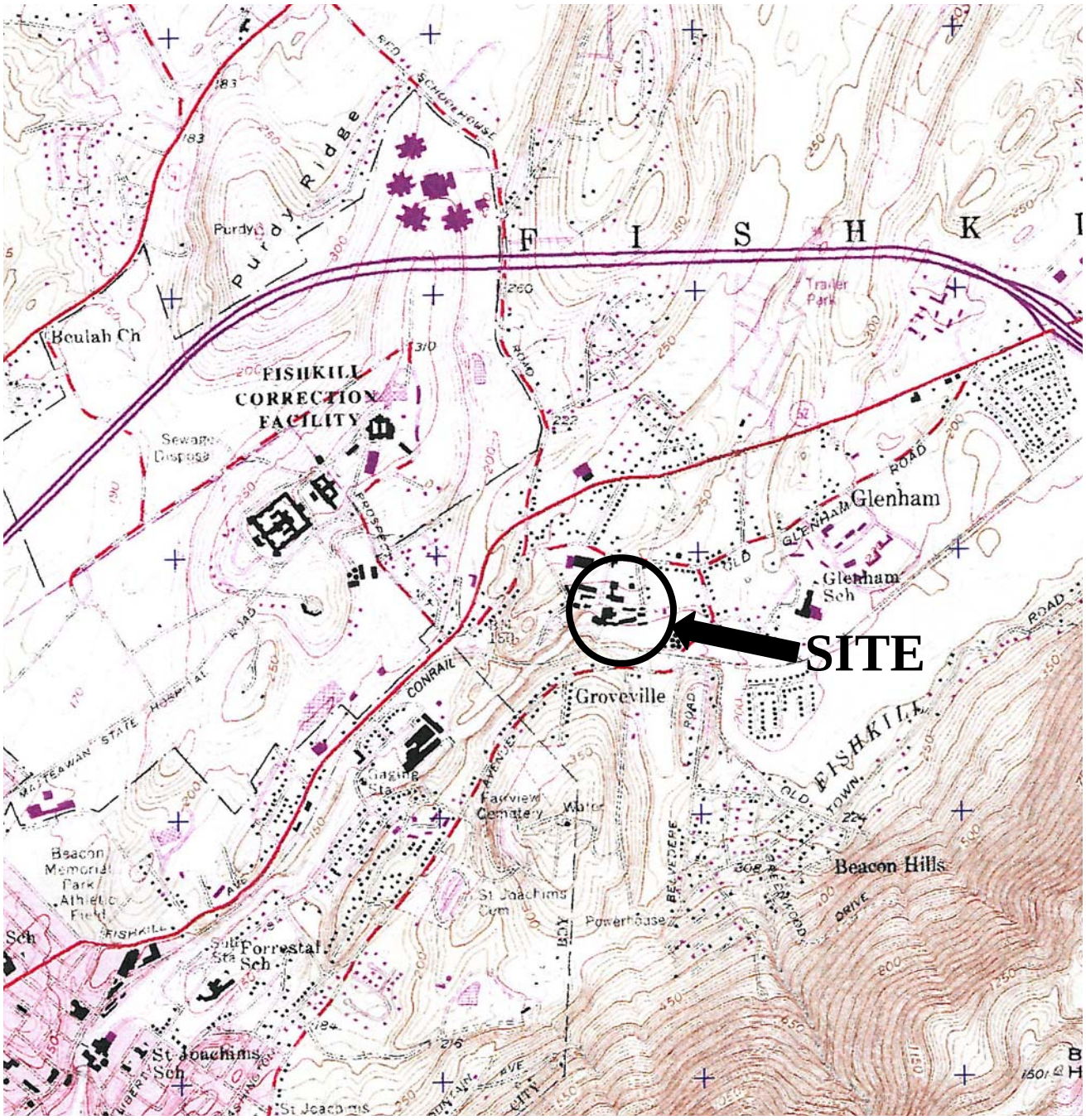
Constituent [1] µg/L	Class GA Water Standard[7]	November 2009 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

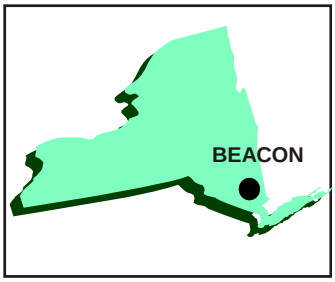
(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzed by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in microgram/liter (µg/L).
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1, 2-Dichloroethene is the sum of trans -1, 2-dichloroethene and cis-1, 2-dichloroethene.
(4) Total of the cis and trans -1, 3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
(7) Class GA Water Standards obtained from NYSDEC document entitled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998."
ND Parameter not-detected at or above the method detection limit.
NA No applicable standard or guidance value.

.

FIGURES



NOT TO SCALE



New York
Vicinity Map

N

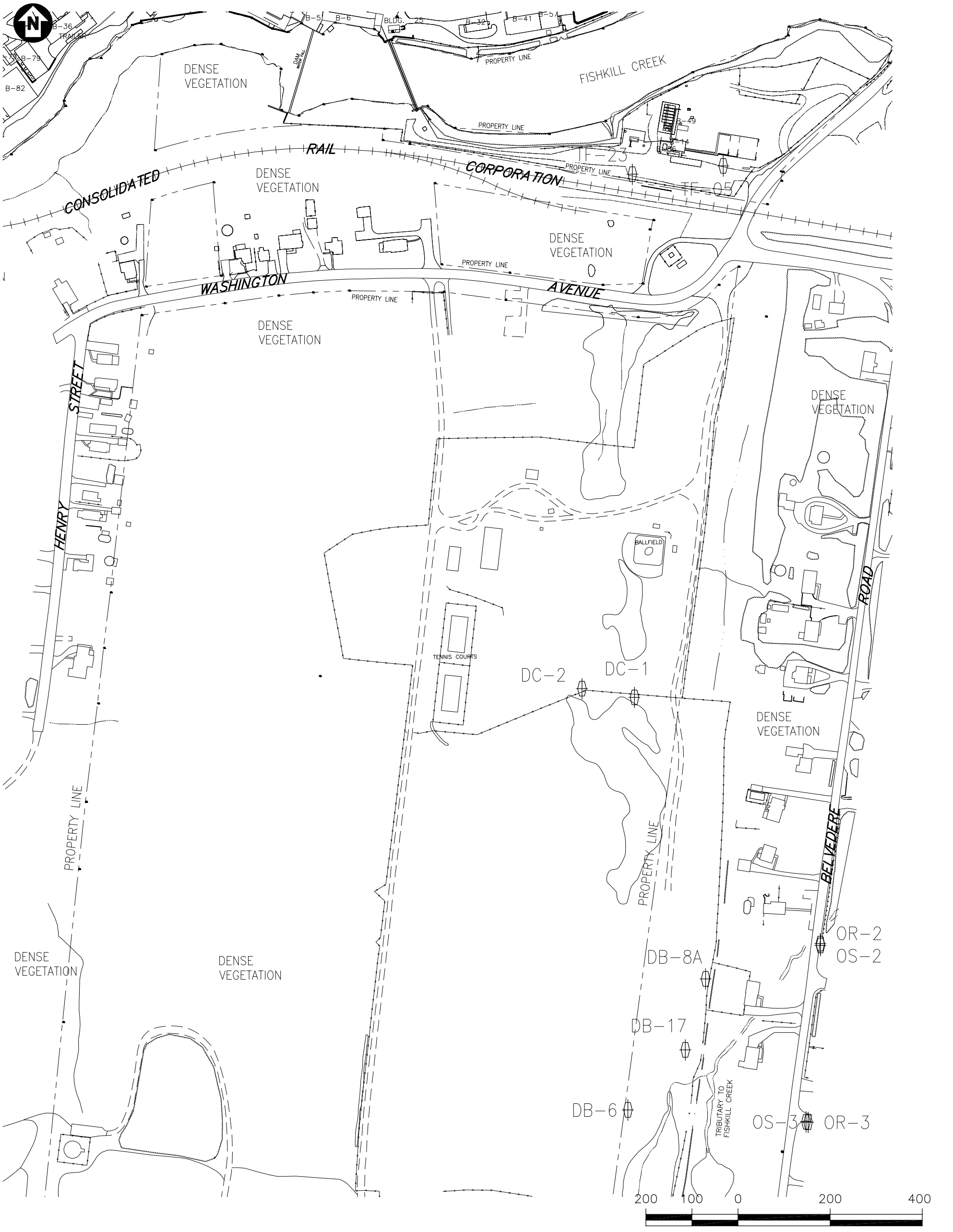
FIGURE 1.1

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY (EMC)
FORMER TEXACO RESEARCH FACILITY
BEACON, NEW YORK

SITE LOCATION MAP

PARSONS
301 Plainfield Road , Suite 350, Syracuse, NY 13212, Phone: (315) 451-9560

P:\Chevron Beacon\444930 Chevron Demolition\CAD\GRAPHICS\sitemap.ppt



SCALE: 1"=200'

LEGEND:

⊕ DC-2 MONITORING WELL LOCATION

SOURCE: BADEY & WATSON, SURVEYING & ENGINEERING, P.C.

THE MERIDIAN AND COORDINATE VALUES HEREON REFER TO THE NEW YORK STATE COORDINATE SYSTEM, EAST ZONE (NAD-1983) EXPRESSED IN FEET.

WELL AND BORING ELEVATIONS ARE REFERENCED TO A SITE VERTICAL DATUM ESTABLISHED BY TEXACO IN 1957, HEREINAFTER REFERRED TO AS THE TEXACO DATUM. THIS DATUM IS 1.07' BELOW NAVD 1988.

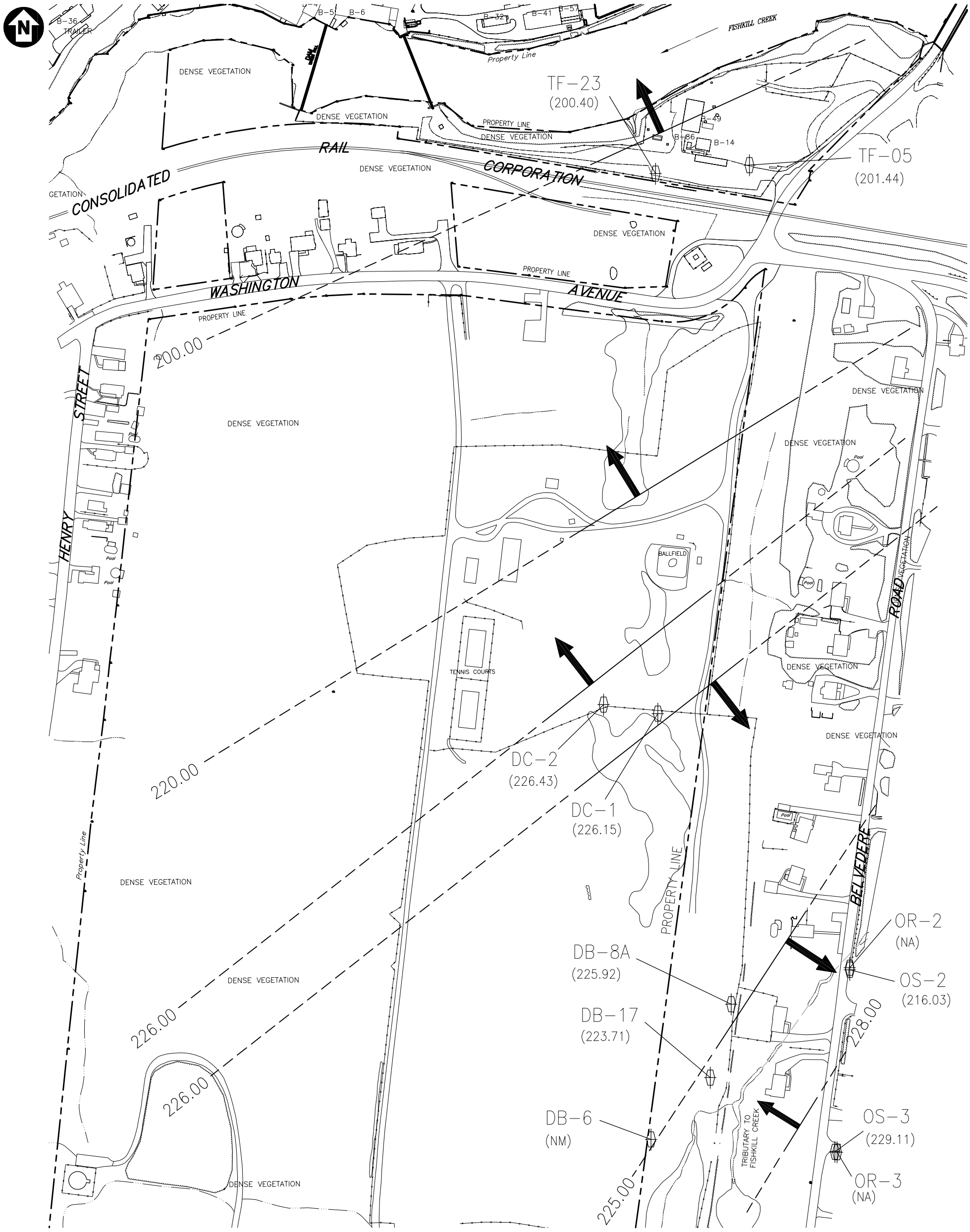
FILE NAME: P:\CHEVRON BEACON\444690-GW\ENGR\CAD\CIVIL\444690C009.DWG
PLOT DATE: 2/18/2010 2:18 PM PLOTTED BY: GOLDTHWAIT, JAMES

FIGURE 2

FORMER TEXACO RESEARCH CENTER BEACON, NEW YORK

SITE MAP

PARSONS
290 ELWOOD DAVIS ROAD, SUITE 312, LIVERPOOL, N.Y. 13088, PHONE: 315-451-9560



LEGEND:

⊕ DC-2	MONITORING WELL LOCATION	→	GROUNDWATER FLOW DIRECTION
—— – – 200.00	GROUNDWATER ELEVATION CONTOUR	NM	NOT MEASURED
(226.15)	GROUNDWATER ELEVATION RESULT (JULY 2009)	NA	NON-APPLICABLE (NOTE: WELLS OR-2 AND OR-3 ARE BEDROCK WELLS AND ARE NOT CONTOURED. ONLY OVERBURDEN WELL CONTOURED)

SOURCE: BADEY & WATSON, SURVEYING & ENGINEERING, P.C.

THE MERIDIAN AND COORDINATE VALUES HEREON REFER TO THE NEW YORK STATE COORDINATE SYSTEM, EAST ZONE (NAD-1983) EXPRESSED IN FEET.

WELL AND BORING ELEVATIONS ARE REFERENCED TO A SITE VERTICAL DATUM ESTABLISHED BY TEXACO IN 1957, HEREINAFTER REFERRED TO AS THE TEXACO DATUM. THIS DATUM IS 1.07' BELOW NAVD 1988.

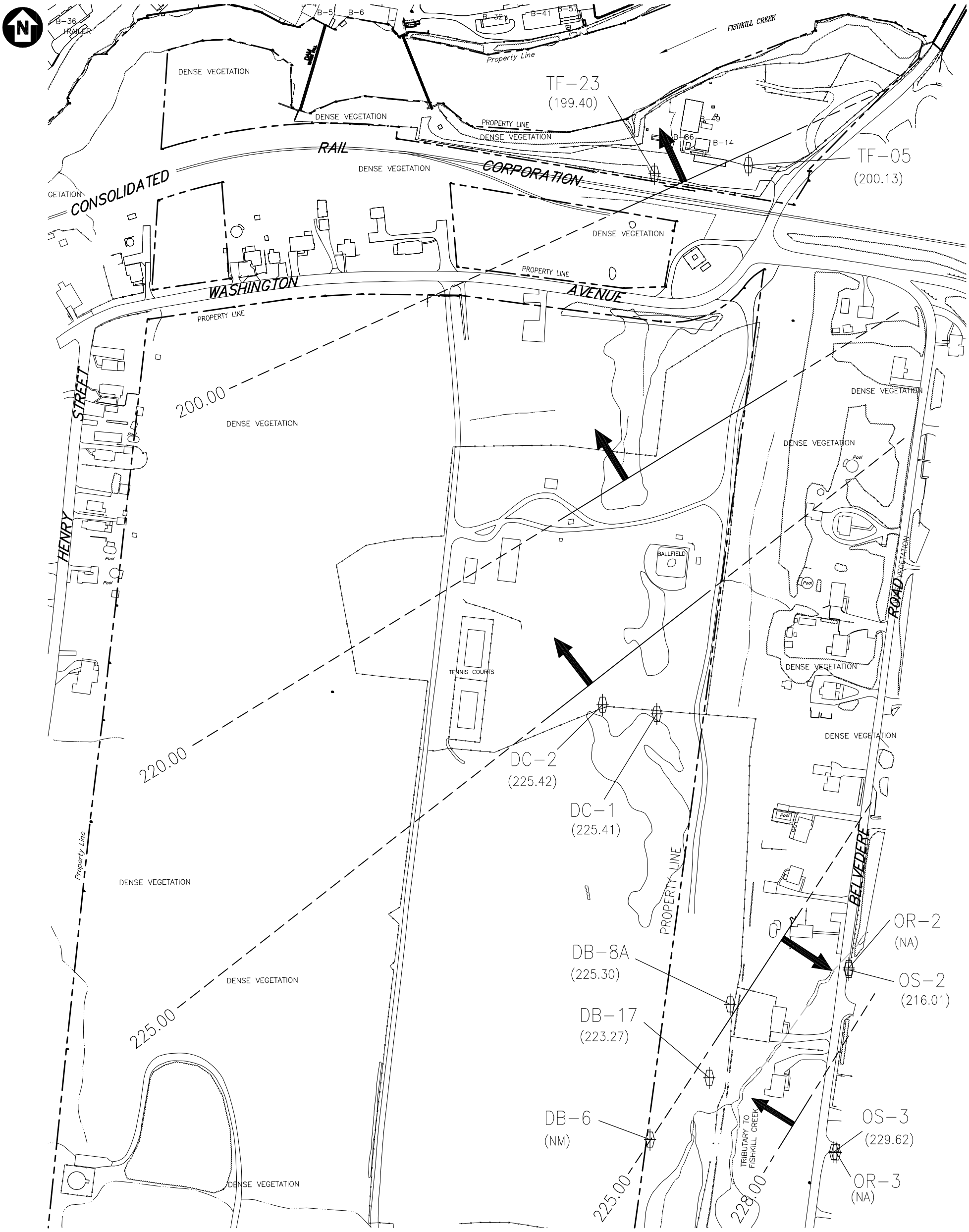
FILE NAME: P:\CHEVRON BEACON\444690-GW\ENGR\CAD\CIVIL\444690C010.DWG
PLOT DATE: 2/18/2010 2:09 PM PLOTTED BY: GOLDTHWAIT, JAMES

FIGURE 3

FORMER TEXACO RESEARCH CENTER BEACON, NEW YORK

GROUNDWATER ELEVATION CONTOUR MAP (JULY 2009)

PARSONS
290 ELWOOD DAVIS ROAD, SUITE 312, LIVERPOOL, N.Y. 13088, PHONE: 315-451-9560



LEGEND:

⊕ DC-2	MONITORING WELL LOCATION	➡	GROUNDWATER FLOW DIRECTION
—— – – 200.00	GROUNDWATER ELEVATION CONTOUR	NM	NOT MEASURED
(225.41)	GROUNDWATER ELEVATION RESULT (NOVEMBER 2009)	NA	NON-APPLICABLE (NOTE: WELLS OR-2 AND OR-3 ARE BEDROCK WELLS AND ARE NOT CONTOURED. ONLY OVERBURDEN WELL CONTOURED)

SOURCE: BADEY & WATSON, SURVEYING & ENGINEERING, P.C.

THE MERIDIAN AND COORDINATE VALUES HEREON REFER TO THE NEW YORK STATE COORDINATE SYSTEM, EAST ZONE (NAD-1983) EXPRESSED IN FEET.

WELL AND BORING ELEVATIONS ARE REFERENCED TO A SITE VERTICAL DATUM ESTABLISHED BY TEXACO IN 1957, HEREINAFTER REFERRED TO AS THE TEXACO DATUM. THIS DATUM IS 1.07' BELOW NAVD 1988.

FILE NAME: P:\CHEVRON BEACON\444690-GW\ENGR\CAD\CIVIL\444690C011.DWG
PLOT DATE: 2/18/2010 2:04 PM PLOTTED BY: GOLDTHWAIT, JAMES

FIGURE 4

FORMER TEXACO RESEARCH CENTER BEACON, NEW YORK

GROUNDWATER ELEVATION CONTOUR MAP (NOVEMBER 2009)

PARSONS
290 ELWOOD DAVIS ROAD, SUITE 312, LIVERPOOL, N.Y. 13088, PHONE: 315-451-9560

APPENDIX A

PARSONS GROUNDWATER SAMPLING RECORD LOGS (JULY 2009 AND NOVEMBER 2009)

Chevron Beacon Well Measurement Summary

Date	Well ID	Volume (gal.)	pH	Conductivity (ms/cm)	Turbidity (NTU)	Temp. (C°)	D.O. (mg/L)	Redox (mv)	Gallons purged
7/13/2009	TF-23	1	7.07	0.587	535	17.63	6.47	181	
		2	6.93	0.587	468.0	16.67	6.72	188	
		3	6.77	0.580	835.0	16.97	7.75	199	3
	TF-5	0.75	6.72	1.63	228.0	20.13	7.83	181	
		1.75	6.48	1.63	361.0	19.63	8.27	190	
		3	6.38	1.82	180.0	19.69	6.95	201	
		4.5	6.47	1.97	95.3	19.78	7.75	208	4.5
	DC-1	1	6.61	0.449	-5.0	15.11	5.27	223	
		2	6.55	0.451	711.0	15.49	10.72	226	
		3.5	6.52	0.003	290.0	15.04	10.26	243	3.5
	DC-2	2	7.04	0.207	197.0	15.66	7.76	193	
		4	6.91	0.200	209.0	14.17	8.07	216	
		6	6.89	0.204	259.0	14.37	7.62	225	
		8	6.76	0.203	498.0	14.00	8.07	235	8
7/14/2009	DB-8A	1	5.64	0.325	50.6	13.70	6.14	223	
		2	5.75	0.308	61.8	13.08	7.37	207	
		3	5.79	0.030	45.9	13.21	10.63	208	
		5	5.82	0.300	37.5	13.38	9.47	207	5
	DB-17	0.25	5.34	0.270	250.0	14.11	9.11	225	
		0.5	5.83	0.219	98.1	13.00	8.83	203	0.5
	OS-2	5	5.90	0.212	124.0	15.31	5.33	224	
		10	6.02	0.193	157.0	15.21	7.41	227	
		15	6.07	0.187	139.0	15.30	8.97	229	
		20.5	6.05	0.188	110.0	15.15	8.09	234	20.5
	OS-3	5	6.09	0.161	62.2	11.12	10.76	217	
		10	6.12	0.157	60.7	10.00	11.03	215	
		15	5.78	0.155	63.1	9.85	11.92	220	
		22	5.79	0.155	60.9	9.68	11.06	221	22
	OR-2	20	5.85	0.474	27.1	14.84	7.09	-32	
		40	6.19	0.481	29.9	15.11	7.42	-49	
		60	6.07	0.477	22.9	15.30	8.00	-49	
		80	6.27	0.453	29.5	15.31	7.75	-62	80
	OR-3	20	6.24	0.406	64.4	14.33	8.10	10	
		40	6.47	0.434	36.7	14.09	7.00	-110	
		60	6.55	0.423	29.4	13.85	9.06	-112	
		80	6.63	0.425	19.2	13.80	9.09	-133	
		100	6.82	0.430	22.1	13.84	7.74	-64	110

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling- Beacon, NY
PROJECT NUMBER: 445169

SAMPLE NUMBER: **OS-3** WEATHER: Sunny- 80'F
DATE: 7/15/09 TIME: 1015

SAMPLERS: Ed Ashton of Parsons
Dan Douglass of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring well OS-3
Screen/Sample Depth: TD= 15.0 feet from top of casing
Sampling Method: HDPE disposable bailer and rope

GROUNDWATER PURGING

Initial Static Water Level: 3.91

One Well Volume:					3 Volumes
2-Inch Casing:	11.09	Feet of Water x 0.16 Gallons/Foot =	1.77	Gallons	5.32
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:	11.09	Feet of Water x 0.65 Gallons/Foot =	7.20	Gallons	21.62

Volume of groundwater purged: 22 Gallons
Purging Device: HDPE disposable bailer and rope
Purge Water Disposition (e.g., contained): poly. tank and transferred to onsite wastewater treatment plant

SAMPLE DESCRIPTION

Color: slightly cloudy
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and lead by (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C): 11.07°
pH: 6.63
Conductivity (ms/cm): 0.166
Turbidity (NTU): 48.2
Dissolved Oxygen (mg/l): 9.62
Eh (Redox Potential) (mv) 208
Phenol Alk. (mg/l): 0.0
Methyl. Alk. (mg/l): 180
Ferrous Iron (mg/l): 0.2

SAMPLE CUSTODY

Chain of Custody Number:
Shipped Via: Fedex
Laboratory: Lancaster Laboratories
Airbill Number:

COMMENTS Pb sample collected first to minimize turbidity in sample and sample filtered by lab.

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling- Beacon, NY
PROJECT NUMBER: 445169

SAMPLE NUMBER: **OR-3** WEATHER: Sunny- 80'F
DATE: 7/15/09 TIME: 1000

SAMPLERS: Ed Ashton of Parsons
Dan Douglass of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring well OR-3
Screen/Sample Depth: TD= 74.0 feet from top of casing
Sampling Method: HDPE disposable bailer and rope

GROUNDWATER PURGING

Initial Static Water Level: 19.47
One Well Volume: 3 Volumes

2-Inch Casing:		Feet of Water x 0.16 Gallons/Foot =		Gallons	
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:	54.53	Feet of Water x 0.65 Gallons/Foot =	35.44	Gallons	106.33

Volume of groundwater purged: 110 Gallons
Purging Device: grunfos submersible pump and poly. Tubing.
Purge Water Disposition (e.g., contained): poly. tank and transferred to onsite wastewater treatment plant

SAMPLE DESCRIPTION

Color: clear
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and lead by (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C): 12.81°
pH: 6.29
Conductivity (ms/cm): 0.404
Turbidity (NTU): 44.7
Dissolved Oxygen (mg/l): 3.86
Eh (Redox Potential) (mv) 209
Phenol Alk. (mg/l): 0.0
Methyl. Alk. (mg/l): 180
Ferrous Iron (mg/l): 0.4

SAMPLE CUSTODY

Chain of Custody Number:
Shipped Via: Fedex
Laboratory: Lancaster Laboratories
Airbill Number:

COMMENTS Pb sample collected first to minimize turbidity in sample and sample filtered by lab.

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling- Beacon, NY
PROJECT NUMBER: 445169

SAMPLE NUMBER: **OR-2** WEATHER: Sunny- 80'F
DATE: 7/15/09 TIME: 0945

SAMPLERS: Ed Ashton of Parsons
Dan Douglass of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring well OR-2
Screen/Sample Depth: TD= 42.0 feet from top of casing
Sampling Method: HDPE disposable bailer and rope

GROUNDWATER PURGING

Initial Static Water Level: 6.17
One Well Volume: 3 Volumes

2-Inch Casing:		Feet of Water x 0.16 Gallons/Foot =		Gallons	
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:	35.83	Feet of Water x 0.65 Gallons/Foot =	23.29	Gallons	69.87

Volume of groundwater purged: 80 Gallons
Purging Device: grunfos submersible pump and poly. Tubing.
Purge Water Disposition (e.g., contained): poly. tank and transferred to onsite wastewater treatment plant

SAMPLE DESCRIPTION

Color: clear
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and lead by (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C): 15.99°
pH: 6.08
Conductivity (ms/cm): 0.344
Turbidity (NTU): 21.2
Dissolved Oxygen (mg/l): 3.37
Eh (Redox Potential) (mv) 215
Phenol Alk. (mg/l): 0.0
Methyl. Alk. (mg/l): 200
Ferrous Iron (mg/l): 0.2

.

SAMPLE CUSTODY

Chain of Custody Number:
Shipped Via: Fedex
Laboratory: Lancaster Laboratories
Airbill Number:

COMMENTS Pb sample collected first to minimize turbidity in sample and sample filtered by lab.

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling- Beacon, NY
PROJECT NUMBER: 445169

SAMPLE NUMBER: **OS-2** WEATHER: Sunny- 80'F
DATE: 7/15/09 TIME: 0915

SAMPLERS: Ed Ashton of Parsons
Dan Douglass of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring well OS-2
Screen/Sample Depth: TD= 15.0 feet from top of casing
Sampling Method: HDPE disposable bailer and rope

GROUNDWATER PURGING

Initial Static Water Level: 6.17

One Well Volume:					3 Volumes
2-Inch Casing:		Feet of Water x 0.16 Gallons/Foot =		Gallons	
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:	8.83	Feet of Water x 0.65 Gallons/Foot =	5.73	Gallons	17.21

Volume of groundwater purged: 20.5 Gallons
Purging Device: HDPE disposable bailer and rope
Purge Water Disposition (e.g., contained): poly. tank and transferred to onsite wastewater treatment plant

SAMPLE DESCRIPTION

Color: clear to cloudy
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and lead by (6010B)
QC Samples at this Location: OS-2MS, OS-2MSD
QC Samples Analyzed for: 8260, 8270, and lead by (6010B)

FIELD MEASUREMENTS

Temperature (C): 18.43°
pH: 5.63
Conductivity (ms/cm): 0.176
Turbidity (NTU): 4.1
Dissolved Oxygen (mg/l): 2.82
Eh (Redox Potential) (mv) 225
Phenol Alk. (mg/l): 0.0
Methyl. Alk. (mg/l): 100
Ferrous Iron (mg/l): 0.1

SAMPLE CUSTODY

Chain of Custody Number:
Shipped Via: Fedex
Laboratory: Lancaster Laboratories
Airbill Number:

COMMENTS Pb sample collected first to minimize turbidity in sample and sample filtered by lab.

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling- Beacon, NY
PROJECT NUMBER: 444469

SAMPLE NUMBER: **DB-17** WEATHER: Sunny- 80'F
DATE: 7/15/09 TIME: 0845

SAMPLERS: Ed Ashton of Parsons
Dan Douglass of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring well DB-17A
Screen/Sample Depth: TD= 9.10 feet from top of casing
Sampling Method: HDPE disposable bailer and rope

GROUNDWATER PURGING

Initial Static Water Level: 8.06
One Well Volume: 3 Volumes

2-Inch Casing:	1.04	Feet of Water x 0.16 Gallons/Foot =	0.167	Gallons	0.499
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 0.50 purged dry Gallons
Purging Device: HDPE disposable bailer and rope
Purge Water Disposition (e.g., contained): poly. tank and transferred to onsite wastewater treatment plant

SAMPLE DESCRIPTION

Color: slightly cloudy
Odor: none
Other: none
Sample Analyzed for: 8260 and 8270
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS (see comments below) -NA

Temperature (C): Dissolved Oxygen (mg/l):
pH: Eh (Redox Potential) (mv):
Conductivity (ms/cm): Phenol Alk. (mg/l):
Turbidity (NTU): Methyl. Alk. (mg/l):

SAMPLE CUSTODY

Chain of Custody Number: Laboratory: Lancaster Laboratories
Shipped Via: Fedex Airbill Number:

COMMENTS No Pb sample or field parameters collected due to low water volume in well and slow recharge rate.

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling- Beacon, NY
PROJECT NUMBER: 445169

SAMPLE NUMBER: **DB-8A** WEATHER: Sunny- 80'F
DATE: 7/15/09 TIME: 0830

SAMPLERS: Ed Ashton of Parsons
Dan Douglass of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring well DB-8A
Screen/Sample Depth: TD= 16.3 feet from top of casing
Sampling Method: HDPE disposable bailer and rope

GROUNDWATER PURGING

Initial Static Water Level: 6.68

One Well Volume:					3 Volumes
2-Inch Casing:	9.62	Feet of Water x 0.16 Gallons/Foot =	1.54	Gallons	4.62
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 5 Gallons
Purging Device: HDPE disposable bailer and rope
Purge Water Disposition (e.g., contained): poly. tank and transferred to onsite wastewater treatment plant

SAMPLE DESCRIPTION

Color: clear to cloudy
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and lead by (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C): 15.34°
pH: 5.68
Conductivity (ms/cm): 0.313
Turbidity (NTU): 39.4
Dissolved Oxygen (mg/l): 6.35
Eh (Redox Potential) (mv) 216
Phenol Alk. (mg/l): 0.0
Methyl. Alk. (mg/l): 240
Ferrous Iron (mg/l): 0.4

SAMPLE CUSTODY

Chain of Custody Number:
Shipped Via: Fedex
Laboratory: Lancaster Laboratories
Airbill Number:

COMMENTS Pb sample collected first to minimize turbidity in sample and sample filtered by lab.

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling- Beacon, NY
PROJECT NUMBER: 445169

SAMPLE NUMBER: **DC-1** WEATHER: Sunny - 75° F
DATE: 7/13/09 TIME: 1615

SAMPLERS: Ed Ashton of Parsons
Dan Douglass of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring well DC-1
Screen/Sample Depth: TD= 12.0 feet from top of casing
Sampling Method: HDPE disposable bailer and rope

GROUNDWATER PURGING

Initial Static Water Level: 3.15

One Well Volume:					3 Volumes
2-Inch Casing:	8.85	Feet of Water x 0.16 Gallons/Foot =	1.42	Gallons	4.25
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 3.5 purged dry Gallons
Purging Device: HDPE disposable bailer and rope
Purge Water Disposition (e.g., contained): poly. tank and transferred to onsite wastewater treatment plant

SAMPLE DESCRIPTION

Color: started out clear, then got turbid with bailing.
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and lead by (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C): 19.15°
pH: 6.24
Conductivity (ms/cm): 0.486
Turbidity (NTU): 211.00
Dissolved Oxygen (mg/l): 3.48
Eh (Redox Potential) (mv): 177
Phenol Alk. (mg/l): 0.0
Methyl. Alk. (mg/l): 300
Ferrous Iron (mg/l): 0.2

SAMPLE CUSTODY

Chain of Custody Number:
Shipped Via: Fedex
Laboratory: Lancaster Laboratories
Airbill Number:

COMMENTS Pb sample collected first to minimize turbidity in sample and sample filtered by lab.

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling- Beacon, NY
PROJECT NUMBER: 445169

SAMPLE NUMBER: **DC-2** WEATHER: Sunny - 75° F
DATE: 7/13/09 TIME: 1600

SAMPLERS: Ed Ashton of Parsons
Dan Douglass of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring well DC-2
Screen/Sample Depth: TD= 17.5 feet from top of casing
Sampling Method: HDPE disposable bailer and rope

GROUNDWATER PURGING

Initial Static Water Level: 2.67

One Well Volume:					3 Volumes
2-Inch Casing:	14.83	Feet of Water x 0.16 Gallons/Foot =	2.37	Gallons	7.12
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 8 Gallons
Purging Device: HDPE disposable bailer and rope
Purge Water Disposition (e.g., contained): poly. tank and transferred to onsite wastewater treatment plant

SAMPLE DESCRIPTION

Color: Clear
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and lead by (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C): 18.79°
pH: 6.37
Conductivity (ms/cm): 0.244
Turbidity (NTU): 145
Dissolved Oxygen (mg/l): 5.73
Eh (Redox Potential) (mv) 182
Phenol Alk. (mg/l): 0.0
Methyl. Alk. (mg/l): 200
Ferrous Iron (mg/l): 0.4

SAMPLE CUSTODY

Chain of Custody Number:
Shipped Via: Fedex
Laboratory: Lancaster Laboratories
Airbill Number:

COMMENTS Pb sample collected first to minimize turbidity in sample and sample filtered by lab.

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling- Beacon, NY
PROJECT NUMBER: 445169

SAMPLE NUMBER: **TF-5** WEATHER: Sunny - 75° F
DATE: 7/13/2009 TIME: 1445

SAMPLERS: Ed Ashton of Parsons
Dan Douglass of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring well TF-5
Screen/Sample Depth: TD= 9.5 feet from top of casing
Sampling Method: HDPE disposable bailer and rope

GROUNDWATER PURGING

Initial Static Water Level: 6.14

One Well Volume:					3 Volumes
2-Inch Casing:	3.36	Feet of Water x 0.16 Gallons/Foot =	.537	Gallons	1.61
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 4.5 Gallons
Purging Device: HDPE disposable bailer and rope
Purge Water Disposition (e.g., contained): poly. tank and transferred to onsite wastewater treatment plant

SAMPLE DESCRIPTION

Color: clear to cloudy
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and lead by (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C): 21.31°
pH: 6.13
Conductivity (ms/cm): 2.09
Turbidity (NTU): 9.10
Dissolved Oxygen (mg/l): 9.16
Eh (Redox Potential) (mv) 197
Phenol Alk. (mg/l): 0.0
Methyl. Alk. (mg/l): 300
Ferrous Iron (mg/l): 0.2

SAMPLE CUSTODY

Chain of Custody Number:
Shipped Via: Fedex
Laboratory: Lancaster Laboratories
Airbill Number:

COMMENTS Pb sample collected first to minimize turbidity in sample and sample filtered by lab.

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling- Beacon, NY
PROJECT NUMBER: 445169

SAMPLE NUMBER: **TF-23** WEATHER: Sunny - 75° F
DATE: 7/13/09 TIME: 1430

SAMPLERS: Ed Ashton of Parsons
Dan Douglass of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring well TF-23
Screen/Sample Depth: TD= 12.7 feet from top of casing
Sampling Method: HDPE disposable bailer and rope

GROUNDWATER PURGING

Initial Static Water Level: 6.80

One Well Volume:					3 Volumes
2-Inch Casing:	5.9	Feet of Water x 0.16 Gallons/Foot =	0.944	Gallons	2.83
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 3 Gallons
Purging Device: HDPE disposable bailer and rope
Purge Water Disposition (e.g., contained): poly. tank and transferred to onsite wastewater treatment plant

SAMPLE DESCRIPTION

Color: clear to cloudy
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and lead by (6010B)
QC Samples at this Location: TF-123 (duplicate)
QC Samples Analyzed for: 8260, 8270, and lead by (6010B)

FIELD MEASUREMENTS

Temperature (C): 19.95°
pH: 6.01
Conductivity (ms/cm): 0.588
Turbidity (NTU): 96.8

Dissolved Oxygen (mg/l): 10.83
Eh (Redox Potential) (mv) 186
Phenol Alk. (mg/l): 0.0
Methyl. Alk. (mg/l): 200
Ferrous Iron (mg/l): 0.2

SAMPLE CUSTODY

Chain of Custody Number:
Shipped Via: Fedex

Laboratory: Lancaster Laboratories
Airbill Number:

COMMENTS Pb sample collected first to minimize turbidity in sample and sample filtered by lab.

Chevron Beacon Well Measurement Summary

Date	Well ID	Volume (gal.)	pH	Conductivity (ms/cm)	Turbidity (NTU)	Temp. (C°)	D.O. (mg/L)	Redox (mv)	Gallons purged
11/9/2009	TF-23	1	7.41	0.373	662	15.48	11.33	176	
		2	7.00	0.369	-5.0	14.55	11.69	179	
		4	6.67	0.365	-5.0	14.39	11.50	182	
		5	6.58	0.363	-5.0	14.40	11.48	183	5
	TF-5	1	6.03	0.964	323.0	17.33	10.67	167	
		2	6.32	0.965	40.7	16.87	10.48	154	
		2.5	6.58	0.965	148.0	16.69	10.40	149	2.5
	DC-1	0.75	6.55	0.001	743.0	13.48	12.51	210	0.75
	DC-2	2	7.13	0.151	259.0	13.95	12.21	181	
		4	7.00	0.140	920.0	13.14	12.19	147	
		7	6.97	0.140	-5.0	13.02	11.77	160	
		8.5	6.91	0.140	-5.0	12.86	11.82	161	8.5
	DB-8A	2	6.75	0.210	43.0	14.98	11.90	207	
		4	6.68	0.208	57.6	14.20	11.92	209	
		6	6.60	0.203	41.9	14.33	11.42	208	
		8	6.61	0.209	36.8	14.18	11.27	201	
		10	6.59	0.209	43.7	14.05	11.27	200	10
	DB-17	0.3	6.69	0.211	84.5	13.38	12.02	205	0.3
11/10/2009	OS-2	5	6.55	0.138	84.7	14.58	11.14	183	
		10	6.73	0.135	40.9	14.20	11.16	186	
		15	6.65	0.134	41.4	14.13	11.07	186	
		20	6.63	0.133	26.7	14.10	10.98	188	20
	OS-3	5	6.97	0.117	24.2	12.12	12.63	170	
		10	7.08	0.115	38.2	11.64	12.74	169	
		15	7.11	0.113	42.0	11.38	12.83	169	
		20	7.20	0.113	26.9	11.20	12.30	170	
		25	7.22	0.113	31.3	11.56	12.18	170	25
	OR-2	10	6.93	0.273	0.8	13.71	12.08	-109	
		20	7.06	0.275	0.0	13.34	11.86	-94	
		30	7.17	0.283	0.0	13.32	11.66	-103	
		40	7.18	0.283	0.0	13.27	11.48	-101	
		50	7.19	0.281	0.0	13.19	11.37	-96	
		60	7.21	0.281	0.0	13.17	11.30	-92	
		70	7.24	0.279	0.0	13.07	11.29	-96	70
11/11/2009	OR-3	20	6.06	0.234	0.0	10.97	11.23	43	
		40	6.49	0.252	0.0	11.13	11.06	-121	
		60	6.65	0.253	0.0	11.20	11.10	-141	
		80	6.76	0.258	0.0	11.28	10.97	-146	
		110	6.89	0.251	0.0	11.04	11.48	-141	110

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling- Beacon, NY
PROJECT NUMBER: 445169

SAMPLE NUMBER: **OS-3** WEATHER: Partly Cloudy- 45'F
DATE: 11/11/09 TIME: 1345

SAMPLERS: Ed Ashton of Parsons
Ro Pisano of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring well OS-3
Screen/Sample Depth: TD= 15.0 feet from top of casing
Sampling Method: HDPE disposable bailer and rope

GROUNDWATER PURGING

Initial Static Water Level: 3.4
One Well Volume: 3 Volumes

2-Inch Casing:		Feet of Water x 0.16 Gallons/Foot =		Gallons	
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:	11.6	Feet of Water x 0.65 Gallons/Foot =	7.54	Gallons	22.62

Volume of groundwater purged: 25 Gallons
Purging Device: HDPE disposable bailer and rope
Purge Water Disposition (e.g., contained): poly. tank and transferred to onsite wastewater treatment plant

SAMPLE DESCRIPTION

Color: clear
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and lead by (6010B)
QC Samples at this Location: OS-3MS and OS-3MSD
QC Samples Analyzed for: 8260, 8270, and lead by (6010B)

FIELD MEASUREMENTS

Temperature (C): 10.54°
pH: 7.04
Conductivity (ms/cm): 0.112
Turbidity (NTU): 0.0
Dissolved Oxygen (mg/l): 11.43
Eh (Redox Potential) (mv) 218
Phenol Alk. (mg/l): 0.0
Methyl. Alk. (mg/l): 160
Ferrous Iron (mg/l): 0.0

SAMPLE CUSTODY

Chain of Custody Number:
Shipped Via: Fedex
Laboratory: Lancaster Laboratories
Airbill Number:

COMMENTS Pb sample collected first to minimize turbidity in sample and sample filtered by lab.
Breathing Zone= 1.3 ppm

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling- Beacon, NY
PROJECT NUMBER: 445169

SAMPLE NUMBER: **OR-3** WEATHER: Partly Cloudy- 45'F
DATE: 11/11/09 TIME: 1425

SAMPLERS: Ed Ashton of Parsons
Ro Pisano of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring well OR-3
Screen/Sample Depth: TD= 74.0 feet from top of casing
Sampling Method: HDPE disposable bailer and rope

GROUNDWATER PURGING

Initial Static Water Level: 22.10
One Well Volume: 3 Volumes

2-Inch Casing:		Feet of Water x 0.16 Gallons/Foot =		Gallons	
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:	51.90	Feet of Water x 0.65 Gallons/Foot =	33.73	Gallons	101.20

Volume of groundwater purged: 110 Gallons
Purging Device: grunfos submersible pump and poly. Tubing.
Purge Water Disposition (e.g., contained): poly. tank and transferred to onsite wastewater treatment plant

SAMPLE DESCRIPTION

Color: clear
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and lead by (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C): 10.26°
pH: 6.80
Conductivity (ms/cm): 0.217
Turbidity (NTU): 0.0
Dissolved Oxygen (mg/l): 11.49
Eh (Redox Potential) (mv) 216
Phenol Alk. (mg/l): 0.0
Methyl. Alk. (mg/l): 400
Ferrous Iron (mg/l): 0.0

SAMPLE CUSTODY

Chain of Custody Number:
Shipped Via: Fedex
Laboratory: Lancaster Laboratories
Airbill Number:

COMMENTS Pb sample collected first to minimize turbidity in sample and sample filtered by lab.
Breathing Zone= 1.1 ppm

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling- Beacon, NY
PROJECT NUMBER: 445169

SAMPLE NUMBER: **OR-2** WEATHER: Partly Cloudy- 45'F
DATE: 11/11/09 TIME: 1311

SAMPLERS: Ed Ashton of Parsons
Ro Pisano of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring well OR-2
Screen/Sample Depth: TD= 42.0 feet from top of casing
Sampling Method: HDPE disposable bailer and rope

GROUNDWATER PURGING

Initial Static Water Level: 7.00
One Well Volume: 3 Volumes

2-Inch Casing:		Feet of Water x 0.16 Gallons/Foot =		Gallons	
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:	35.00	Feet of Water x 0.65 Gallons/Foot =	22.75	Gallons	68.25

Volume of groundwater purged: 70 Gallons
Purging Device: grunfos submersible pump and poly. Tubing.
Purge Water Disposition (e.g., contained): poly. tank and transferred to onsite wastewater treatment plant

SAMPLE DESCRIPTION

Color: clear
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and lead by (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C): 12.41°
pH: 6.89
Conductivity (ms/cm): 0.178
Turbidity (NTU): 0.0
Dissolved Oxygen (mg/l): 10.37
Eh (Redox Potential) (mv) 196
Phenol Alk. (mg/l): 0.0
Methyl. Alk. (mg/l): 340
Ferrous Iron (mg/l): 0.0

SAMPLE CUSTODY

Chain of Custody Number:
Shipped Via: Fedex
Laboratory: Lancaster Laboratories
Airbill Number:

COMMENTS Pb sample collected first to minimize turbidity in sample and sample filtered by lab.
Breathing Zone= 0.7 ppm

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling- Beacon, NY
PROJECT NUMBER: 445169

SAMPLE NUMBER: **OS-2** WEATHER: Partly Cloudy- 45'F
DATE: 11/11/09 TIME: 1245

SAMPLERS: Ed Ashton of Parsons
Ro Pisano of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring well OS-2
Screen/Sample Depth: TD= 15.0 feet from top of casing
Sampling Method: HDPE disposable bailer and rope

GROUNDWATER PURGING

Initial Static Water Level: 5.75
One Well Volume: 3 Volumes

2-Inch Casing:		Feet of Water x 0.16 Gallons/Foot =		Gallons	
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:	9.25	Feet of Water x 0.65 Gallons/Foot =	6.01	Gallons	18.03

Volume of groundwater purged: 20 Gallons
Purging Device: HDPE disposable bailer and rope
Purge Water Disposition (e.g., contained): poly. tank and transferred to onsite wastewater treatment plant

SAMPLE DESCRIPTION

Color: clear
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and lead by (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C): 12.79°
pH: 6.45
Conductivity (ms/cm): 0.120
Turbidity (NTU): 0.0
Dissolved Oxygen (mg/l): 10.42
Eh (Redox Potential) (mv) 192
Phenol Alk. (mg/l): 0.0
Methyl. Alk. (mg/l): 180
Ferrous Iron (mg/l): 0.0

SAMPLE CUSTODY

Chain of Custody Number:
Shipped Via: Fedex
Laboratory: Lancaster Laboratories
Airbill Number:

COMMENTS Pb sample collected first to minimize turbidity in sample and sample filtered by lab.
Breathing Zone= 0.8 ppm

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling- Beacon, NY
PROJECT NUMBER: 445169

SAMPLE NUMBER: **DB-17** WEATHER: Cloudy- 55'F
DATE: 11/10/09 TIME: 1050

SAMPLERS: Ed Ashton of Parsons
Ro Pisano of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring well DB-17
Screen/Sample Depth: TD= 9.10 feet from top of casing
Sampling Method: HDPE disposable bailer and rope

GROUNDWATER PURGING

Initial Static Water Level: 8.50

One Well Volume:					3 Volumes
2-Inch Casing:	0.6	Feet of Water x 0.16 Gallons/Foot =	0.096	Gallons	0.288
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 0.30 purged dry Gallons
Purging Device: HDPE disposable bailer and rope
Purge Water Disposition (e.g., contained): poly. tank and transferred to onsite wastewater treatment plant

SAMPLE DESCRIPTION

Color: clear to cloudy
Odor: none
Other: none
Sample Analyzed for: 8260 and 8270
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C): 13.93
pH: 6.84
Conductivity (ms/cm): 0.220
Turbidity (NTU): 55.5
Dissolved Oxygen (mg/l): 11.55
Eh (Redox Potential) (mv): 182
Phenol Alk. (mg/l): 0.0
Methyl. Alk. (mg/l): 680
Ferrous Iron (mg/l): 0.0

SAMPLE CUSTODY

Chain of Custody Number:
Shipped Via: Fedex
Laboratory: Lancaster Laboratories
Airbill Number:

COMMENTS Pb sample collected first to minimize turbidity in sample and sample filtered by lab.
Breathing Zone= 1.4 ppm

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling- Beacon, NY
PROJECT NUMBER: 445169

SAMPLE NUMBER: **DB-8A** WEATHER: Cloudy- 55'F
DATE: 11/10/09 TIME: 1022

SAMPLERS: Ed Ashton of Parsons
Ro Pisano of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring well DB-8A
Screen/Sample Depth: TD= 16.3 feet from top of casing
Sampling Method: HDPE disposable bailer and rope

GROUNDWATER PURGING

Initial Static Water Level: 7.30

One Well Volume:					3 Volumes
2-Inch Casing:	9.00	Feet of Water x 0.16 Gallons/Foot =	1.44	Gallons	4.32
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 10 Gallons
Purging Device: HDPE disposable bailer and rope
Purge Water Disposition (e.g., contained): poly. tank and transferred to onsite wastewater treatment plant

SAMPLE DESCRIPTION

Color: clear to cloudy
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and lead by (6010B)
QC Samples at this Location: DB-108A
QC Samples Analyzed for: 8260, 8270, and lead by (6010B)

FIELD MEASUREMENTS

Temperature (C): 14.46°
pH: 6.85
Conductivity (ms/cm): 0.228
Turbidity (NTU): 14.4
Dissolved Oxygen (mg/l): 11.06
Eh (Redox Potential) (mv) 188
Phenol Alk. (mg/l): 0.0
Methyl. Alk. (mg/l): 640
Ferrous Iron (mg/l): 0

SAMPLE CUSTODY

Chain of Custody Number:
Shipped Via: Fedex
Laboratory: Lancaster Laboratories
Airbill Number:

COMMENTS Pb sample collected first to minimize turbidity in sample and sample filtered by lab.
Breathing Zone= 0.9 ppm

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling- Beacon, NY
PROJECT NUMBER: 445169

SAMPLE NUMBER: **DC-1** WEATHER: Cloudy - 55° F
DATE: 11/10/09 TIME: 0945

SAMPLERS: Ed Ashton of Parsons
Ro Pisano of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring well DC-1
Screen/Sample Depth: TD= 12.0 feet from top of casing
Sampling Method: HDPE disposable bailer and rope

GROUNDWATER PURGING

Initial Static Water Level: 3.89

One Well Volume:					3 Volumes
2-Inch Casing:	8.11	Feet of Water x 0.16 Gallons/Foot =	1.29	Gallons	3.89
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 0.75 purged dry Gallons
Purging Device: HDPE disposable bailer and rope
Purge Water Disposition (e.g., contained): poly. tank and transferred to onsite wastewater treatment plant

SAMPLE DESCRIPTION

Color: started out clear, then got turbid with bailing.
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and lead by (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C): 13.39°
pH: 6.74
Conductivity (ms/cm): 0.305
Turbidity (NTU): 134
Dissolved Oxygen (mg/l): 11.17
Eh (Redox Potential) (mv) 185
Phenol Alk. (mg/l): 0.0
Methyl. Alk. (mg/l): 800
Ferrous Iron (mg/l): 0.2

SAMPLE CUSTODY

Chain of Custody Number:
Shipped Via: Fedex
Laboratory: Lancaster Laboratories
Airbill Number:

COMMENTS Pb sample collected first to minimize turbidity in sample and sample filtered by lab.
Breathing Zone= 1.2 ppm

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling- Beacon, NY
PROJECT NUMBER: 445169

SAMPLE NUMBER: **DC-2** WEATHER: Cloudy - 55° F
DATE: 11/10/09 TIME: 0924

SAMPLERS: Ed Ashton of Parsons
Ro Pisano of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring well DC-2
Screen/Sample Depth: TD= 17.5 feet from top of casing
Sampling Method: HDPE disposable bailer and rope

GROUNDWATER PURGING

Initial Static Water Level: 3.68

One Well Volume:					3 Volumes
2-Inch Casing:	13.82	Feet of Water x 0.16 Gallons/Foot =	2.21	Gallons	6.63
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 8.5 Gallons
Purging Device: HDPE disposable bailer and rope
Purge Water Disposition (e.g., contained): poly. tank and transferred to onsite wastewater treatment plant

SAMPLE DESCRIPTION

Color: clear to cloudy
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and lead by (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C): 13.06°
pH: 6.84
Conductivity (ms/cm): 0.150
Turbidity (NTU): 54.1
Dissolved Oxygen (mg/l): 11.48
Eh (Redox Potential) (mv) 189
Phenol Alk. (mg/l): 0.0
Methyl. Alk. (mg/l): 440
Ferrous Iron (mg/l): 0.0

SAMPLE CUSTODY

Chain of Custody Number:
Shipped Via: Fedex
Laboratory: Lancaster Laboratories
Airbill Number:

COMMENTS Pb sample collected first to minimize turbidity in sample and sample filtered by lab.
Breathing Zone= 0.9 ppm

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling- Beacon, NY
PROJECT NUMBER: 445169

SAMPLE NUMBER: **TF-5** WEATHER: Cloudy - 55° F
DATE: 11/10/09 TIME: 0800

SAMPLERS: Ed Ashton of Parsons
Ro Pisano of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring well TF-5
Screen/Sample Depth: TD= 9.5 feet from top of casing
Sampling Method: HDPE disposable bailer and rope

GROUNDWATER PURGING

Initial Static Water Level: 7.45
One Well Volume: 3 Volumes

2-Inch Casing:	2.05	Feet of Water x 0.16 Gallons/Foot =	.328	Gallons	0.984
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 2.5 Gallons
Purging Device: HDPE disposable bailer and rope
Purge Water Disposition (e.g., contained): poly. tank and transferred to onsite wastewater treatment plant

SAMPLE DESCRIPTION

Color: clear to cloudy
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and lead by (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C): 14.95°
pH: 6.31
Conductivity (ms/cm): 0.870
Turbidity (NTU): 23.2
Dissolved Oxygen (mg/l): 9.58
Eh (Redox Potential) (mv) 216
Phenol Alk. (mg/l): 0.0
Methyl. Alk. (mg/l): 700
Ferrous Iron (mg/l): 0.0

SAMPLE CUSTODY

Chain of Custody Number:
Shipped Via: Fedex
Laboratory: Lancaster Laboratories
Airbill Number:

COMMENTS Pb sample collected first to minimize turbidity in sample and sample filtered by lab.
Breathing Zone= 1.16 ppm

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling- Beacon, NY
PROJECT NUMBER: 445169

SAMPLE NUMBER: **TF-23** WEATHER: Cloudy - 55° F
DATE: 11/10/09 TIME: 0835

SAMPLERS: Ed Ashton of Parsons
Ro Pisano of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring well TF-23
Screen/Sample Depth: TD= 12.7 feet from top of casing
Sampling Method: HDPE disposable bailer and rope

GROUNDWATER PURGING

Initial Static Water Level: 7.80
One Well Volume: 3 Volumes

2-Inch Casing:	4.9	Feet of Water x 0.16 Gallons/Foot =	0.784	Gallons	2.35
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 5 Gallons
Purging Device: HDPE disposable bailer and rope
Purge Water Disposition (e.g., contained): poly. tank and transferred to onsite wastewater treatment plant

SAMPLE DESCRIPTION

Color: clear to cloudy
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and lead by (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C): 14.15°
pH: 6.68
Conductivity (ms/cm): 0.348
Turbidity (NTU): 8.6
Dissolved Oxygen (mg/l): 10.21
Eh (Redox Potential) (mv) 192
Phenol Alk. (mg/l): 0.0
Methyl. Alk. (mg/l): 580
Ferrous Iron (mg/l): 0.0

SAMPLE CUSTODY

Chain of Custody Number:
Shipped Via: Fedex
Laboratory: Lancaster Laboratories
Airbill Number:

COMMENTS Pb sample collected first to minimize turbidity in sample and sample filtered by lab.
Breathing Zone= 0.4 ppm

APPENDIX B

PARSONS DATA REVIEW SUMMARY REPORTS FOR JULY AND NOVEMBER 2009 GROUNDWATER SAMPLING EVENTS

DATA REVIEW SUMMARY REPORT
for samples collected for
RCRA PERMIT GROUNDWATER SAMPLING
FORMER TEXACO RESEARCH CENTER
BEACON, NY

Data Review by: Richard Cheatham
Parsons – Denver, Colorado

INTRODUCTION

The following data review summary report covers groundwater samples and the associated field quality control (QC) samples collected as part of the RCRA permit groundwater sampling at the Former Texaco Research Center in Beacon, NY (Site ID#314004) during the period of July 14-15, 2009. Field program quality control samples included field duplicate samples for ground waters, an equipment blank, and an aqueous trip blank. All samples were collected by Parsons and analyzed by Lancaster Laboratories, Lancaster, PA (Lancaster) following the procedures outlined in the Addendum QAPP for Interim Corrective Action Measure, dated August 2005. Analytical results were reported in a NYSDEC ASP Category B deliverables package identified as SDG# CBN71, which contained the sample results for analyses conducted for sample group 1153748. All samples were identified on the chain-of-custody record (COC) as being analyzed for "8260-VOCs (i.e. Volatile Organic Compounds by method SW-846 8260B), "8270-SVOCs" (i.e. Semivolatile Organic Compounds by method SW-846 8270C), and "Total Lead". As requested on the COC, the samples for "total lead" were filtered in lab upon arrival so with analysis results were reported as "Dissolved Lead" by method SW-846 6010B. All samples were analyzed as specified on the COC.

Data validation was performed following the procedures of, and in accordance with the requirements of the Addendum QAPP for Interim Corrective Action Measure, dated August 2005, including the procedures and data quality criteria of the USEPA Region II SOP HW-6 (CLP Organics Data Review). Table 1 summarizes the sample data that has been reviewed. Data validation qualifications are summarized on Table 2. Field duplicate sample results are summarized on Table 3 of this report.

DATA REVIEW RESULTS SUMMARY

Each sample result for all analyses is considered usable for project purposes. 2-Chloroethyl vinyl ether results in all samples were qualified as estimated (J) in all samples because of a non-compliant matrix spike recovery and because laboratory noted on sample results summary forms that 2-Chloro vinyl ether may not be recovered in acid-preserved samples. Certain SVOCs in sample DB-17 were qualified as estimated due to laboratory control sample non-compliance. All SVOCs in ten samples (and the equipment blank) were qualified as estimated due to exceedance of the sample preparation holding time. Laboratory QC sample analyses demonstrated acceptable precision and accuracy of associated sample results, with exceptions noted in sections following. Accuracy, precision (analytical and overall), representativeness, completeness, and comparability are considered acceptable for all analyses and all sample results for the groundwater samples, when consideration is given to the sample qualification decisions summarized on Table 2.

One groundwater sample, TF-23 (7-14-009) was collected as a field duplicate pair (TF23/TF123). An equipment blank sample was collected and submitted with the shipment of groundwater samples. A trip blank sample, which was not listed on the COC, was noted by laboratory on the copy of the COC included in the data package that a trip blank sample was received on 07/21/09. Sample OS-2 was utilized for MS/MSD analyses as indicated on the chain-of-custody (COC) record.

EVALUATION CRITERIA

The data submitted by the laboratory in the NYSDEC ASP Category B Data Package identified as SDG# CBN71 and dated August 17, 2009 has been reviewed and validated, as specified below, following the guidelines outlined in the Addendum QAPP for Interim Corrective Action Measure, dated August 2005.

Information reviewed and evaluated as part of the validation process included sample results; calibration information (initial calibration results, continuing calibration verification), method blank results, laboratory control sample (LCS) results; matrix spike/matrix spike duplicate (MS/MSD) results; parent/field duplicate (FD) results; trip blank field QC samples results; method blanks; “laboratory comments”; and chain-of-custody (COC) forms. In addition, for the VOCs and SVOCs analyses, surrogate compound spike recoveries and internal standard recoveries were also evaluated.

In addition, the summarized sample analysis results for groundwater sample T23 (07-14-09) and associated QC sample results and QA/QC data reported in the laboratory's "analytical report" for sample group 10120871 in SDG CBN71 for VOCs by Method “TCL by 8260”, for SVOCs by Method “TCL Semivolatiles by 8270”, and Method “Lead” (by SW6010B) were verified from the "raw" analytical data. The data packages were evaluated for deliverables completeness with reference to the project QAPP requirements.

The analyses and findings presented in this report are based on the reviewed information, and whether requirements in the Addendum QAPP were met.

Accuracy

Accuracy was evaluated using the percent recovery (%R) obtained from LCSs (blank spikes), MS, and MSD, as well as of surrogate compound recoveries for each project sample.

Precision

Analytical Precision was evaluated based on the relative percent difference (%RPD) of MS/MSD sample analysis results and of internal laboratory duplicate results.

Overall Precision (of the sampling and analysis process) was evaluated based on the relative percent difference (%RPD) of sample/field duplicate results.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the Addendum QAPP;
- Comparing actual analytical procedures to those described in the Addendum QAPP;
- Evaluating sample preservation and analytical holding times;

- Examining trip blanks for contamination of, or cross-contamination of, samples during sample handling and shipment;
- Examining laboratory blanks for cross contamination of samples during sample preparation and analysis;
- Evaluating instrument tuning and performance data;
- Evaluating initial calibration results;
- Evaluating continuing calibration verification results; and,
- Evaluating field duplicate sample results.

Completeness (laboratory completeness)

Laboratory completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data, calculating a "percent completeness" value, and comparing the "percent completeness" with the Addendum QAPP criterion of 90% for each type of analysis.

Comparability

Comparability has been evaluated by:

- Evaluating the sample analysis methods used; and,
- Confirming the use, by the laboratory, of standard reporting units and reporting formats, including for reporting of QC data.

EVALUATION RESULTS – GROUNDWATER SAMPLES

TCL VOCs

In addition, to the evaluation of accuracy, precision, representativeness, comparability, and completeness results presented in the sections following, which pertain to analyses of all groundwater samples, a "spot check" verification of the reported results for one of the groundwater samples, TF-23 was performed. The summarized sample analysis results for the groundwater sample TF-23 and associated QC sample results and QA/QC data reported in the laboratory's "analytical report" for SDG CBN71 VOCs by SW8260B were verified from the "raw" analytical data.

Accuracy for all groundwater sample analyses is considered acceptable, with the exception of all sample results for 2-Chloroethyl vinyl ether. Evaluation results are as follows:

- Surrogate recoveries (%R) for all project samples were within laboratory control limits and also within Addendum QAPP control limits for all groundwater samples.
- LCS recoveries (%R) for all project samples were within applicable (laboratory) control limits.
- MS/MSD recoveries (%R) for Sample OS-2 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples, with the exceptions shown below. Laboratory noted that 2-Chloroethyl vinyl ether may not be recoverable from acid-preserved samples and all sample results were non-detect; consequently all non-detect sample results were qualified as estimated (J).

SDG/ Sample Group	Sample ID	Analytical Parameter	MS/ MSD %R	QC Limit	Affected Samples	Data Qualifier
CBN71/ 1153748	OS-2	2-Chloroethyl vinyl ether	0/0	1-156	ALL in CBN71	J or UJ

Analytical Precision is considered acceptable for all groundwater sample results. **Overall precision** is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- MS/MSD RPD values (%R) for Sample OS-2 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water sample.
- Field duplicate RPD values were within laboratory control limits and also within Addendum QAPP control limits for water samples. Sample TF-123 was collected as a field duplicate of TF-23. Sample concentrations for the duplicate pair were reported as "not detected" for all analytes. Field duplicate results are summarized on Table 3.

Representativeness is considered acceptable for sample results, with the exception of all sample results for 2-Chloroethyl vinyl ether. Evaluation results are as follows:

- Sample preservation requirements, as specified in the Addendum QAPP were met for all samples; sample pH<2. Cooler temperature at time of sample receipt by laboratory <4°C.
- Analytical holding time for all samples, as specified in the Addendum QAPP, was met for all groundwater sample analyses.
- Trip blank was free of any target analyte at a detectable concentration.
- Equipment blank was free of any target analyte at a detectable concentration.
- The method blanks were free of any target analyte at a detectable concentration.
- The samples were analyzed for VOCs using the method specified in the Addendum QAPP.
- Laboratory noted that 2-Chloroethyl vinyl ether may not be recoverable from acid-preserved samples. All samples were acid-preserved and 2-Chloroethyl vinyl ether was not detected in any sample.
- GC/MS instrument performance check (BFB ion abundance criteria) met acceptance criteria.
- Internal standard area counts and retention times met acceptance criteria.
- Initial calibration verification (ICV) results met the acceptance criterion of "<25%D".
- Continuing calibration verification (CCV) results met the acceptance criterion of "<20%D".

Completeness is considered acceptable for groundwater sample results. The completeness percentage is >99%. Sample results are considered as usable for project purposes in accordance with Addendum QAPP specifications.

Comparability is considered acceptable for all groundwater sample results. The samples were analyzed using the methods specified in the Addendum QAPP and data, including QC results, were reported using industry-standard reporting units and reporting formats.

TCL SEMIVOLATILES

In addition, to the evaluation of accuracy, precision, representativeness, comparability, and completeness results presented in the sections following, which pertain to analyses of all groundwater samples, a “spot check” verification of the reported results for one of the groundwater samples, TF-23 was performed. The summarized sample analysis results for the groundwater sample TF-23 and associated QC sample results and QA/QC data reported in the laboratory's "analytical report" for SDG CBN71 for Semivolatiles by Method “TCL Semivolatiles by 8270 were verified from the "raw" analytical data.

Accuracy for all groundwater sample analyses is considered acceptable. Evaluation results are as follows:

- Surrogate recoveries (%R) for all project samples were within laboratory control limits and also within Addendum QAPP control limits for all groundwater samples.
- LCS recoveries (%R) were within applicable (laboratory) control limits, with the exceptions shown below. Sample results associated with the non-compliant LCS were qualified as estimated (J or UJ).

SDG/ Sample Group	QC Batch	LCS ID/ File ID	Analye	LCS/ LCSD %R	QC Limit	Affected Samples	Data Qualifier
CBN71/ 1153748	09199WAE026	199WELCS/ og0594.d	1,3-Dichlorobenzene	53	63-110	5724865	J or UJ
			1,4-Dichlorobenzene	55	65-113		
			1,2-Dichlorobenzene	56	67-108		
			Hexachloroethane	45	52-113		
			1,2,4-Trichlorobenzene	66	71-112		
			Naphthalene	75	77-107		
			Hexachlorobutadiene	56	57-124		

- MS/MSD recoveries (%R) for Sample OS-2 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples.

Analytical Precision is considered acceptable for all groundwater sample results. **Overall precision** is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- LCS/LCSD analyses were not performed.
- MS/MSD RPD values for Sample OS-2 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples.
- Field duplicate RPD values were within laboratory control limits and also within Addendum QAPP control limits for water samples. Sample TF-123 was collected as a field duplicate of TF-23. Sample concentrations for the duplicate pair were reported as “not detected” for all analytes. Field duplicate results are summarized on Table 3.

Representativeness is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- Sample preservation requirements, as specified in the Addendum QAPP were met for all samples. Cooler temperature at time of sample receipt by laboratory <4°C.
- The samples were analyzed for SVOCs using the method specified in the Addendum QAPP.
- Analytical holding time, as specified in the Addendum QAPP (5 days from sample receipt for extraction), was not met for all groundwater sample analyses. Evaluation results are shown below.

SDG/ Sample Group	Sample ID	Lab ID	Sample Date	VTSR	Prep Date	Days Extraction HT Exceeded	Data Qualifier
CBN71/ 1153748	TF-23	5724856	7/14	7/16	7/23	2	J or UJ
CBN71/ 1153748	TF-123	5724857	7/14	7/16	7/23	2	J or UJ
CBN71/ 1153748	TF-5	5724860	7/14	7/16	7/23	2	J or UJ
CBN71/ 1153748	DC-2	5724862	7/14	7/16	7/23	2	J or UJ
CBN71/ 1153748	DC-1	5724863	7/14	7/16	7/23	2	J or UJ
CBN71/ 1153748	DB-8A	5724864	7/14	7/16	7/23	2	J or UJ
CBN71/ 1153748	EB#1	5724866	7/15	7/16	7/23	2	J or UJ
CBN71/ 1153748	OS-2	5724867	7/15	7/16	7/23	2	J or UJ
CBN71/ 1153748	OR-2	5724871	7/15	7/16	7/23	2	J or UJ
CBN71/ 1153748	OR-3	5724872	7/15	7/16	7/23	2	J or UJ
CBN71/ 1153748	OS-3	5724873	7/15	7/16	7/23	2	J or UJ

- Equipment blank associated with the groundwater samples was free of any target analyte at a detectable concentration.
- The method blanks were free of any target analyte at a detectable concentration.
- The samples were analyzed using the methods specified in the Addendum QAPP.
- GC/MS instrument performance check (DFTPP ion abundance criteria) met acceptance criteria.
- Internal standard area counts and retention times met acceptance criteria.
- Initial calibration met acceptance criteria.
- Initial calibration verification met acceptance criterion of "<25%D".
- Continuing calibration verification (CCV) results met the acceptance criterion of "<20%D" with the exception of Hexachlorocyclopentadiene (+27%) and 2-

Chloronaphthalene (+29%); however, non-detect sample results associated with a CCV exhibiting positive bias (high %R) are not qualified.

Completeness is considered acceptable for all groundwater sample results. All sample results are considered as usable for project purposes in accordance with Addendum QAPP specifications.

Comparability is considered acceptable for all groundwater sample results. The samples were analyzed using the methods specified in the Addendum QAPP and data, including QC results, were reported using industry-standard reporting units and reporting formats. The reported 4-methylphenol values are a combination of results of 3-Methylphenol and 4-Methylphenol, which cannot be resolved under the chromatographic conditions used for analysis.

LEAD

In addition, to the evaluation of accuracy, precision, representativeness, comparability, and completeness results presented in the sections following, which pertain to analyses of all groundwater samples, a “spot check” verification of the reported results for one of the groundwater samples, TF-23, was performed. The summarized sample analysis results for the groundwater sample TF-23 and associated QC sample results and QA/QC data reported in the laboratory's "analytical report" for SDG CB71 for Lead by Method 6010B were verified from the "raw" analytical data.

Accuracy for all groundwater sample analyses is considered acceptable. Evaluation results are as follows:

- LCS recoveries (%R) were within applicable (laboratory) control limits.
- MS/MSD recoveries (%R) for Sample OS-2 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples.

Analytical Precision is considered acceptable for all groundwater sample results. **Overall precision** is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- MS/MSD RPD values for Sample OS-2 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples.
- Laboratory duplicate sample RPD value for Sample OS-2 were within laboratory control limits and also within Addendum QAPP control limits for water samples.
- Field duplicate RPD values were within laboratory control limits and also within Addendum QAPP control limits for water samples. Sample TF-23 was collected as a field duplicate of TF-123. Lead was not detected in the field duplicate sample pair. Field duplicate results are summarized on Table 3.

Representativeness is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- Sample preservation requirements, as specified in the Addendum QAPP were met for all samples. Cooler temperature at time of sample receipt by laboratory <4°C.

- Samples were analyzed for lead using method SW846 6010B, rather than EPA 200.7 as noted in Addendum QAPP; however, data quality was not negatively affected.
- Analytical holding time, as specified in the Addendum QAPP, was met for all sample analyses.
- Equipment blank was free of any target analyte at a detectable concentration.
- The method blank was free of any target analyte at a detectable concentration.
- The samples were analyzed using the methods specified in the Addendum QAPP.
- Initial calibration met acceptance criteria.
- Initial calibration verification met acceptance criteria.
- Continuing calibration verification (CCV) results met the acceptance criterion of "<20%D".

Completeness is considered acceptable for all groundwater sample results. All sample results are considered as usable for project purposes in accordance with Addendum QAPP specifications.

Comparability is considered acceptable for all groundwater sample results. The samples were analyzed using the methods specified in the Addendum QAPP and data, including QC results, were reported using industry-standard reporting units and reporting formats.

DELIVERABLES (DATA PACKAGE) COMPLETENESS AND COMPLIANCE

Deliverables Completeness is considered acceptable. The data for the groundwater samples were reported in NYSDEC ASP Category B (type) deliverables package identified as SDG CBN71. This package contained all sample COC forms, case narratives including sample/analysis summary forms, QA/QC summaries with supporting documentation, relevant calibration data, instrument and method performance data, documentation of the laboratories ability to attain the method detection limits for target analytes in required matrices, data report forms with examples of calculations, and raw data.

Deliverables Compliance is considered acceptable.

The data was produced and reported consistent with the amended QAPP and the requested data package deliverables, protocol-required QA/QC criteria were met, and problems encountered during the analytical process and actions taken to correct the problems were reported in the data packages.

TABLE 1 – VALIDATED SAMPLES AND ANALYSES PERFORMED

Parsons Field Sample ID	Sample Date	Lancaster Sample Group	Lancaster Sample #	Lancaster SDG# (NYSDEC ASP Category B Data Package)	Laboratory Sample Code	VOCs (SW8260B)	SVOCs (SW8270C)	Dissolved Lead* (SW6010B)
TF-23 (07-14-09)	07-14-09	11538748	5724856	CBN71	TF-23	X	X	-
TF-123 (07-14-09)	07-14-09	11538748	5724857	CBN71	TF-123	-		X
TF-23 (07-15-09)	07-15-09	11538748	5724858	CBN71	T-23	X	X	-
TF-123 (07-15-09)	07-15-09	11538748	5724859	CBN71	T-123	X	X	X
TF-5 (07-14-09)	07-14-09	11538748	5724860	CBN71	TF-5	X	X	-
TF-5 (07-14-09)	07-14-09	11538748	5724861	CBN71	T-5	-	-	X
DC-2 (07-15-09)	07-15-09	11538748	5724862	CBN71	DC-2	X	X	X
DC-1 (07-15-09)	07-15-09	11538748	5724863	CBN71	DC-1	X	X	X
DB-8A (07-15-09)	07-15-09	11538748	5724864	CBN71	DB-8A	X	X	X
DB-17 (07-15-09)	07-15-09	11538748	5724865	CBN71	DB-17	X	X	X
EB#1 (07-15-09)	07-15-09	11538748	5724866	CBN71	BCNE-1	X	-	-
OS-2 (07-15-09)	07-15-09	11538748	5724867	CBN71	OS-2	X	X	X
0S2-MS (07-15-09)	07-15-09	11538748	5724868	CBN71	OS-2	X	X	X
OS-MSD (07-15-09)	07-15-09	11538748	5724869	CBN71	0S-2	X	X	X
OS-2 (07-15-09) Duplicate	07-15-09	11538748	5724870	CBN71	0S-2	X	X	X
OR-2 (07-15-09)	07-15-09	11538748	5724871	CBN71	OR-2	X	X	X
OR-3 (07-15-09)	07-15-09	11538748	5724872	CBN71	OR-3	X	X	X
OS-3 (07-15-09)	07-15-09	11538748	5724873	CBN71	OS-3	X	X	X
Trip Blank	-	11538748	5724874	CBN71	BCNT1	X	-	-

*Samples were filtered in laboratory.

TABLE 2
DATA VALIDATION DATA QUALIFIERS AND DATA FLAG CHANGES

Sample ID	Sample Date	Sample Group	Lab ID	Analyte	Reported Conc. (ug/L)	Old Flag (lab flag)	New Flag (Data Qualifier)	Final Q (summary)	Reason
TF-23 (07-14-09)	07-14-09	1153748	5724856	2-Chloroethyl vinyl ether	ND	U	J	UJ	MS/MSD %R, Method performance
TF-123 (07-14-09)	07-14-09	1153748	5724857	2-Chloroethyl vinyl ether	ND	U	J	UJ	MS/MSD %R, Method performance
TF-23 (07-15-09)	07-15-09	1153748	5724858	2-Chloroethyl vinyl ether	ND	U	J	UJ	MS/MSD %R, Method performance
TF-123 (07-15-09)	07-15-09	1153748	5724859	2-Chloroethyl vinyl ether	ND	U	J	UJ	MS/MSD %R, Method performance
TF-5 (07-14-09)	07-14-09	1153748	5724860	2-Chloroethyl vinyl ether	ND	U	J	UJ	MS/MSD %R, Method performance
TF-5 (07-14-09)	07-14-09	1153748	5724861	2-Chloroethyl vinyl ether	ND	U	J	UJ	MS/MSD %R, Method performance
DC-2 (07-15-09)	07-15-09	1153748	5724862	2-Chloroethyl vinyl ether	ND	U	J	UJ	MS/MSD %R, Method performance
DC-1 (07-15-09)	07-15-09	1153748	5724863	2-Chloroethyl vinyl ether	ND	U	J	UJ	MS/MSD %R, Method performance
DB-8A (07-15-09)	07-15-09	1153748	5724864	2-Chloroethyl vinyl ether	ND	U	J	UJ	MS/MSD %R, Method performance
DB-17 (07-15-09)	07-15-09	1153748	5724865	2-Chloroethyl vinyl ether	ND	U	J	UJ	MS/MSD %R, Method performance
EB#1 (07-15-09)	07-15-09	1153748	5724866	2-Chloroethyl vinyl ether	ND	U	J	UJ	MS/MSD %R, Method performance
OS-2 (07-15-09)	07-15-09	1153748	5724867	2-Chloroethyl vinyl ether	ND	U	J	UJ	MS/MSD %R, Method performance
0S2-MS (07-15-09)	07-15-09	1153748	5724868	2-Chloroethyl vinyl ether	ND	U	J	UJ	MS/MSD %R, Method performance
OS-MSD (07-15-09)	07-15-09	1153748	5724869	2-Chloroethyl vinyl ether	ND	U	J	UJ	MS/MSD %R, Method performance
OS-2 (07-15-09) Duplicate	07-15-09	1153748	5724870	2-Chloroethyl vinyl ether	ND	U	J	UJ	MS/MSD %R, Method performance
OR-2 (07-15-09)	07-15-09	1153748	5724871	2-Chloroethyl vinyl ether	ND	U	J	UJ	MS/MSD %R, Method performance
OR-3 (07-15-09)	07-15-09	1153748	5724872	2-Chloroethyl vinyl ether	ND	U	J	UJ	MS/MSD %R, Method performance

TABLE 2 Continued)
DATA VALIDATION DATA QUALIFIERS AND DATA FLAG CHANGES

Sample ID	Sample Date	Sample Group	Lab ID	Analyte	Reported Conc. (ug/L)	Old Flag (lab flag)	New Flag (Data Qualifier)	Final Q (summary)	Reason
DB-17 (07-15-09)	07-15-09	1153748	5724865	1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene Hexachloroethane 1,2,4-Trichlorobenzene Naphthalene Hexachlorobutadiene	All ND	U	J	UJ	LCS %R
TF-23	07-15-09	1153748	5724856	All SVOCs	ND	U	J	UJ	Extraction holding time exceeded
TF-123	07-15-09	1153748	5724857	All SVOCs	ND	U	J	UJ	Extraction holding time exceeded
TF-5	07-15-09	1153748	5724860	All SVOCs	ND	U	J	UJ	Extraction holding time exceeded
DC-2	07-15-09	1153748	5724862	All SVOCs	ND	U	J	UJ	Extraction holding time exceeded
DC-1	07-15-09	1153748	5724863	All SVOCs	ND	U	J	UJ	Extraction holding time exceeded
DB-8A	07-15-09	1153748	5724864	All SVOCs except Hexachlorobutadiene	ND	U	J	UJ	Extraction holding time exceeded
DB-8A	07-15-09	1153748	5724864	Hexachlorobutadiene	4	J	J	J	Extraction holding time exceeded
EB#1	07-15-09	1153748	5724866	All SVOCs	ND	U	J	UJ	Extraction holding time exceeded
OS-2	07-15-09	1153748	5724867	All SVOCs	ND	U	J	UJ	Extraction holding time exceeded
OR-2	07-15-09	1153748	5724871	All SVOCs	ND	U	J	UJ	Extraction holding time exceeded
OR-3	07-15-09	1153748	5724872	All SVOCs	ND	U	J	UJ	Extraction holding time exceeded
OS-3	07-15-09	1153748	5724873	All SVOCs	ND	U	J	UJ	Extraction holding time exceeded

TABLE 3 – FIELD DUPLICATE SAMPLE RESULTS

Sample Matrix	Analyte	Collection Date	Field Sample ID	Field Sample Value	Replicate Sample ID	Replicate Sample Value	RPD*
GW	ALL VOCs	11/18/08	TF-23	ND	TF-123	ND	n/a
GW	ALL SVOCs	11/18/08	TF-23	ND	TF-123	ND	n/a
GW	Dissolved Lead	11/18/08	TF-23	ND	TF-123	ND	n/a

*RPD calculated only if both results >MDL.
"GW"=groundwater. "ND"=not detected.

DATA REVIEW SUMMARY REPORT
for samples collected for
RCRA PERMIT GROUNDWATER SAMPLING
FORMER TEXACO RESEARCH CENTER
BEACON, NY

Data Review by: Richard Cheatham
Parsons – Denver, Colorado

INTRODUCTION

The following data review summary report covers groundwater samples and the associated field quality control (QC) samples collected as part of the RCRA permit groundwater sampling at the Former Texaco Research Center in Beacon, NY (Site ID#314004) during the period of November 10-11, 2009. Field program quality control samples included field duplicate samples for ground waters, an equipment blank, and two aqueous trip blanks. All samples were collected by Parsons and analyzed by Lancaster Laboratories, Lancaster, PA (Lancaster) following the procedures outlined in the Addendum QAPP for Interim Corrective Action Measure, dated August 2005. Analytical results were reported in a NYSDEC ASP Category B deliverables package identified as SDG# CBN72, which contained the sample results for analyses conducted for sample groups 1170505 and 1170754. All samples were identified on the chain-of-custody record (COC) as being analyzed for "8260-VOCs (i.e. Volatile Organic Compounds by method SW-846 8260B), "8270-SVOCs" (i.e. Semivolatile Organic Compounds by method SW-846 8270C), and "Total Lead". As requested on the COC, the samples for "total lead" were filtered in lab upon arrival so with analysis results were reported as "Dissolved Lead" by method SW-846 6010B. All samples were analyzed as specified on the COC.

Data validation was performed following the procedures of, and in accordance with the requirements of the Addendum QAPP for Interim Corrective Action Measure, dated August 2005, including the procedures and data quality criteria of the USEPA Region II SOP HW-6 (CLP Organics Data Review). Table 1 summarizes the sample data that has been reviewed. Data validation qualifications are summarized on Table 2. Field duplicate sample results are summarized on Table 3 of this report.

DATA REVIEW RESULTS SUMMARY

Each sample result for all analyses is considered usable for project purposes. The sample result for n-Nitrosodiphenylamine in each groundwater sample was qualified based on a minor non-compliance of the matrix spike/matrix spike duplicate (MS/MSD) analyses of sample OS-3(11-11-09). Laboratory QC sample analyses demonstrated acceptable precision and accuracy of associated sample results, with exceptions noted in sections following. Accuracy, precision (analytical and overall), representativeness, completeness, and comparability are considered acceptable for all analyses and all sample results for the groundwater samples. Sample concentrations that were less than the limit of quantitation (LOQ) were reported with a "J" lab flag should be considered to be

estimated values, but are not shown as qualified on Table 2; these results are shown as qualified as estimated (J) in the project database.

One groundwater sample, DB-8A(11-10-009) was collected as a field duplicate pair (DB-8A/DB-108A). An equipment blank sample was collected and submitted with the shipment of groundwater samples. Two trip blank samples were submitted with the shipment of groundwater samples. Sample OS-3(11-11-09) was utilized for MS/MSD analyses as indicated on the chain-of-custody (COC) record.

EVALUATION CRITERIA

The data submitted by the laboratory in the NYSDEC ASP Category B Data Package identified as SDG# CBN72 and dated December 23, 2009 has been reviewed and validated, as specified below, following the guidelines outlined in the Addendum QAPP for Interim Corrective Action Measure, dated August 2005.

Information reviewed and evaluated as part of the validation process included sample results; calibration information (initial calibration results, initial calibration verification, continuing calibration verification), method blank results, laboratory control sample/laboratory control sample duplicate (LCS/LCSD) results; matrix spike/matrix spike duplicate (MS/MSD) results; parent/field duplicate (FD) results; trip blank field QC samples results; method blanks; “laboratory comments”; and chain-of-custody (COC) forms. In addition, for the VOCs and SVOCs analyses, surrogate compound spike recoveries and internal standard recoveries were also evaluated.

In addition, the summarized sample analysis results for groundwater sample OS-08A(11-11-09) and associated QC sample results and QA/QC data reported in the laboratory's "analytical report" for sample group 1170754 in SDG CBN72 for VOCs by Method “TCL by 8260”, for SVOCs by Method “TCL Semivolatiles by 8270”, and Method “Lead” (by SW6010B) were verified from the "raw" analytical data. The data packages were evaluated for deliverables completeness with reference to the project QAPP requirements.

The analyses and findings presented in this report are based on the reviewed information, and whether requirements in the Addendum QAPP were met.

Accuracy

Accuracy was evaluated using the percent recovery (%R) obtained from LCSs (blank spikes), MS, and MSD, as well as of surrogate compound recoveries for each project sample.

Precision

Analytical Precision was evaluated based on the relative percent difference (%RPD) of LCS/LCSD and MS/MSD sample pair analysis results and of internal laboratory duplicate results.

Overall Precision (of the sampling and analysis process) was evaluated based on the relative percent difference (%RPD) of sample/field duplicate results.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the Addendum QAPP;
- Comparing actual analytical procedures to those described in the Addendum QAPP;
- Evaluating sample preservation and analytical holding times;
- Examining trip blanks for contamination of, or cross-contamination of, samples during sample handling and shipment;
- Examining laboratory blanks for cross contamination of samples during sample preparation and analysis;
- Evaluating instrument tuning and performance data;
- Evaluating initial calibration results;
- Evaluating continuing calibration verification results; and,
- Evaluating field duplicate sample results.

Completeness (laboratory completeness)

Laboratory completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data, calculating a “percent completeness” value, and comparing the “percent completeness” with the Addendum QAPP criterion of 90% for each type of analysis.

Comparability

Comparability has been evaluated by:

- Evaluating the sample analysis methods used; and,
- Confirming the use, by the laboratory, of standard reporting units and reporting formats, including for reporting of QC data.

EVALUATION RESULTS – GROUNDWATER SAMPLES

TCL VOCs

In addition, to the evaluation of accuracy, precision, representativeness, comparability, and completeness results presented in the sections following, which pertain to analyses of all groundwater samples, a “spot check” verification of the reported results for one of the groundwater samples, DB-8A was performed. The summarized sample analysis results for the groundwater sample DB-8A and associated QC sample results and QA/QC data reported in the laboratory's "analytical report" for SDG CBN72 VOCs by SW8260B were verified from the "raw" analytical data.

Accuracy for all groundwater sample analyses is considered acceptable. Evaluation results are as follows:

- Surrogate recoveries (%R) for all project samples were within laboratory control limits and also within Addendum QAPP control limits for all groundwater samples.

- LCS recoveries (%R) for all project samples were within applicable (laboratory) control limits.

- MS/MSD recoveries (%R) for Sample OS-3(11-11-09) were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples, with the exceptions shown below. Non-detect sample results associated with a non-compliant MS/MSD exhibiting high bias (high %R) are not qualified. No sample results were qualified based on MS/MSD results.

SDG/ Sample Group	Sample ID	Analytical Parameter	MS/MSD %R	QC Limit	Affected Samples	Data Qualifier
CBN72/ 1170754	OS-3	2-Chloroethyl vinyl ether	90-91	10-78	ALL in CBN72	None, all ND
CBN72/ 1170754	OS-3	Tetrachloroethene	134/133	80-128	ALL in CBN72	None, all ND
CBN72/ 1170754	OS-3	Dibromochloromethane	117/112	74-116	ALL in CBN72	None, all ND

Analytical Precision is considered acceptable for all groundwater sample results. **Overall precision** is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- MS/MSD RPD values (%RPD) for Sample OS-3(11-11-09) were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water sample.

- LCS/LCSD RPD values were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water sample.

- Field duplicate RPD values were within laboratory control limits and also within Addendum QAPP control limits for water samples. Sample DB-108A was collected as a field duplicate of DB-8A. Field duplicate results are summarized on Table 3.

Representativeness is considered acceptable for sample results. Evaluation results are as follows:

- Sample preservation requirements, as specified in the Addendum QAPP were met for all samples; water samples were not acid-preserved. Cooler temperatures at time of sample receipt by laboratory were <4°C.

- Analytical holding time for all samples, as specified in the Addendum QAPP (7-days from sample collection for non-acid preserved samples) was met for all groundwater sample analyses.
- Trip blank was free of any target analyte at a detectable concentration.
- Equipment blank was free of any target analyte at a detectable concentration.
- The method blanks were free of any target analyte at a detectable concentration.
- The samples were analyzed for VOCs using the method specified in the Addendum QAPP.
- GC/MS instrument performance check (BFB ion abundance criteria) met acceptance criteria.
- Internal standard area counts and retention times met acceptance criteria.
- Initial calibration verification (ICV) results met the acceptance criterion of "<25%D".
- Continuing calibration verification (CCV) results met the acceptance criterion of "<20%D", with the exceptions shown below. Non-detect sample results associated with a CCV exhibiting positive bias (high %R). No sample results were qualified based on CCV results.

SDG	CCV file ID	Analytical Parameter	CCV %D	Affected Samples	Data Qualifier
CBN72	win12C02.d	Tetrachloroethene	+27	5833454 thru 5833462	None, all ND
CBN72	win15C01.d	Tetrachloroethene	+26	5835205 thru 5835212	None, all ND
CBN72	win15C01.D	1,2-Dichloroethane	+21	5835205 thru 5835212	None, all ND

Completeness is considered acceptable for groundwater sample results; the completeness percentage is >100%. Sample results are considered as usable for project purposes in accordance with Addendum QAPP specifications.

Comparability is considered acceptable for all groundwater sample results. The samples were analyzed using the methods specified in the Addendum QAPP and data, including QC results, were reported using industry-standard reporting units and reporting formats.

TCL SEMIVOLATILES

In addition, to the evaluation of accuracy, precision, representativeness, comparability, and completeness results presented in the sections following, which pertain to analyses of all groundwater samples, a "spot check" verification of the reported results for one of the groundwater samples, DB-8A was performed. The summarized sample analysis results for the groundwater sample DB-8A and associated QC sample

results and QA/QC data reported in the laboratory's "analytical report" for SDG CBN72 for Semivolatiles by Method “TCL Semivolatiles by 8270 were verified from the "raw" analytical data.

Accuracy for all groundwater sample analyses is considered acceptable. Evaluation results are as follows:

- Surrogate recoveries (%R) for all project samples were within laboratory control limits and also within Addendum QAPP control limits for groundwater samples, with the exception shown below. Sample results are not qualified if only one of the three surrogates associated with a given analytical fraction (acid compounds or base-neutral compounds) is non-compliant.

SDG	Lab Sample ID	Surrogate Compound (%R)	QC Limit (%R)	Analytical Fraction	Affected Analytes	Data Qualifier
CBN72	5835207	Terphenyl-d4 (118)	47-114	Base-neutral	None	None

- LCS recoveries (%R) were within applicable (laboratory) control limits, with the exceptions shown below. No sample results were qualified based on LCS results.

SDG	QC Batch	LCS ID/ File ID	Analye	LCS/ LCSD %R	QC Limit	Affected Samples	Data Qualifier
CBN72	09320WAG026	ek1039.d	4-Chloroaniline	55/48	49-118	5833459	None, marginal exceedance
CBN72	09320WAG026	ek1039.d	Pentachlorophenol	107/111	53-110	5833459	None, marginal exceedance

- MS/MSD recoveries (%R) for Sample OS-3 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples, with the exception shown below.

SDG	Lab Sample ID	Analyte	MS/MSD %R	QC Limit	Affected Sample	Data Qualifier
CBN72	5835207	n-Nitrosodiphenylamine	93/94	96-139	All in CBN72	J or UJ

Analytical Precision is considered acceptable for all groundwater sample results. **Overall precision** is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- LCS/LCSD RPD values were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water sample.
- MS/MSD RPD values for Sample OS-2 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples.

- Field duplicate RPD values were within laboratory control limits and also within Addendum QAPP control limits for water samples. Sample DB-108 was collected as a field duplicate of DB-8A. Sample concentrations for the duplicate pair were reported as "not detected" or at a concentration less than the limit of quantitation (LOQ) for all analytes. Field duplicate results are summarized on Table 3.

Representativeness is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- Sample preservation requirements, as specified in the Addendum QAPP were met for all samples. Cooler temperature at time of sample receipt by laboratory <4°C.
- The samples were analyzed for SVOCs using the method specified in the Addendum QAPP.
- Analytical holding time as specified in the analytical method (7 days from sample collection for sample extraction) was met for all groundwater sample analyses.
- Equipment blank associated with the groundwater samples was free of any target analyte at a detectable concentration.
- The method blanks were free of any target analyte at a detectable concentration.
- The samples were analyzed using the methods specified in the Addendum QAPP.
- GC/MS instrument performance check (DFTPP ion abundance criteria) met acceptance criteria.
- Internal standard area counts and retention times met acceptance criteria.
- Initial calibration met acceptance criteria.
- Initial calibration verification (ICV) results met acceptance criterion of "<25%D" with the exceptions of Hexachlorocylopentadiene (-29%, ICV file ID gk0448.d); however, a CCV compliant for Hexachlorocyclopentadiene was analyzed before any samples in each analytical batch so no sample results were qualified based on ICV results.
- Continuing calibration verification (CCV) results met the acceptance criterion of "<20%D" with the exceptions shown below. Non-detect sample results associated with a CCV exhibiting positive bias (high %R) are not qualified.

SDG	CCV file ID	Analytical Parameter	CCV %D	Affected Samples	Data Qualifier
CBN72	ek1031a.d	2,2'-oxybis(1-Chloropropane)	+24	5833459	None, all ND
CBN72	ek1031a.d	2,4-Ditrophenol	+26	5833459	None, all ND

Completeness is considered acceptable for all groundwater sample results; the completeness percentage is 100%. All sample results are considered as usable for project purposes in accordance with Addendum QAPP specifications.

Comparability is considered acceptable for all groundwater sample results. The samples were analyzed using the methods specified in the Addendum QAPP and data, including QC results, were reported using industry-standard reporting units and reporting formats. The reported 4-methylphenol values, which were all "non-detect" are a combination of results of 3-Methylphenol and 4-Methylphenol, which cannot be resolved under the chromatographic conditions used for analysis.

LEAD

In addition, to the evaluation of accuracy, precision, representativeness, comparability, and completeness results presented in the sections following, which pertain to analyses of all groundwater samples, a “spot check” verification of the reported results for one of the groundwater samples, DB-8A, was performed. The summarized sample analysis results for the groundwater sample DB-8A and associated QC sample results and QA/QC data reported in the laboratory's "analytical report" for SDG CBN72 for Lead by Method 6010B were verified from the "raw" analytical data.

Accuracy for all groundwater sample analyses is considered acceptable. Evaluation results are as follows:

- LCS recoveries (%R) were within applicable (laboratory) control limits.
- MS/MSD recoveries (%R) for Sample OS-2 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples.

Analytical Precision is considered acceptable for all groundwater sample results. **Overall precision** is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- MS/MSD RPD values for Sample OS-3 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples.
- Laboratory duplicate sample RPD value for Sample OS-3 was within laboratory control limits and also within Addendum QAPP control limits for water samples.
- Field duplicate RPD values were within laboratory control limits and also within Addendum QAPP control limits for water samples. Sample DB-108A was collected as a field duplicate of DB-8A. Lead was not detected in the field duplicate sample pair. Field duplicate results are summarized on Table 3.

Representativeness is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- Sample preservation requirements, as specified in the Addendum QAPP were met for all samples. Cooler temperature at time of sample receipt by laboratory <4°C.
- Samples were analyzed for lead using method SW846 6010B, rather than EPA 200.7 as noted in Addendum QAPP; however, data quality was not negatively affected.
- Analytical holding time, as specified in the Addendum QAPP, was met for all sample analyses.
- Equipment blank was free of any target analyte at a detectable concentration.
- The method blank was free of any target analyte at a detectable concentration.
- The samples were analyzed using the methods specified in the Addendum QAPP.
- Initial calibration verification met acceptance criteria.
- Low-level check standard results met QC acceptance criteria.
- Continuing calibration verification (CCV) results met the acceptance criterion of "<20%D".
- ICP-AES interference check sample results met QC acceptance criteria.
- Serial dilution results met QC acceptance criteria.

Completeness is considered acceptable for all groundwater sample results; the completeness percentage is 100%. All sample results are considered as usable for project purposes in accordance with Addendum QAPP specifications.

Comparability is considered acceptable for all groundwater sample results. The samples were analyzed using the methods specified in the Addendum QAPP and data, including QC results, were reported using industry-standard reporting units and reporting formats.

DELIVERABLES (DATA PACKAGE) COMPLETENESS AND COMPLIANCE

Deliverables Completeness is considered acceptable. The data for the groundwater samples were reported in NYSDEC ASP Category B (type) deliverables package identified as SDG CBN72. This package contained all sample COC forms, case narratives including sample/analysis summary forms, QA/QC summaries with supporting documentation, relevant calibration data, instrument and method performance data, documentation of the laboratories ability to attain the method detection limits for target analytes in required matrices, data report forms with examples of calculations, and raw data.

Deliverables Compliance is considered acceptable.

The data was produced and reported consistent with the amended QAPP and the requested data package deliverables, protocol-required QA/QC criteria were met, and problems encountered during the analytical process and actions taken to correct the problems were reported in the data packages.

TABLE 1 – VALIDATED SAMPLES AND ANALYSES PERFORMED

Parsons Field Sample ID	Sample Date	Lancaster Sample Group	Lancaster Sample #	Lancaster SDG# (NYSDEC ASP Category B Data Package)	Laboratory Sample Code	VOCs (SW8260B)	SVOCs (SW8270C)	Dissolved Lead* (SW6010B)
TF-5(11-10-09)	11-10-09	1170505	5833454	CBN72	BEAT5			
TF-23(11-10-09)	11-10-09	1170505	5833455	CBN72	BEA23			
EB-1(11-10-09)	11-10-09	1170505	5833456	CBN72	BEAE1			
TRIP BLANK	11-10-09	1170505	5833457	CBN72	BEATB			
DC-2(11-10-09)	11-10-09	1170505	5833458	CBN72	BEAD2			
DC-1(11-10-09)	11-10-09	1170505	5833459	CBN72	BEAD1			
DB-8A(11-10-09)	11-10-09	1170505	5833460	CBN72	BEA8A			
DB-108A(11-10-09)	11-10-09	1170505	5833461	CBN72	BE108			
DB-17(11-10-09)	11-10-09	1170505	5833462	CBN72	BEA17			
OS-2(11-11-09)	11-11-09	1170754	5835205	CBN72	BCN02			
OR-2(11-11-09)	11-11-09	1170754	5835206	CBN72	BCNR2			
OS-3(11-11-09)	11-11-09	1170754	5835207	CBN72	BCNS3			
OS-3MS(11-11-09) Matrix Pike	11-11-09	1170754	5835208	CBN72	BCNS3			
OS-3-MSD(11-11-09) Matrix Spike Dup	11-11-09	1170754	5835209	CBN72	BCNS3			
OS-3(11-11-09) Duplicate	11-11-09	1170754	5835210	CBN72	BCNS3			
OR-3(11-11-09)	11-11-09	1170754	5835211	CBN72	BCN43			
TRIP BLANK	11-11-09	1170754	5835212	CBN72	BCNTB			

*Samples were filtered in laboratory.

TABLE 2

DATA VALIDATION DATA QUALIFIERS AND DATA FLAG CHANGES

Sample ID	Sample Date	Sample Group	Lab ID	Analyte	Reported Conc. (ug/L)	Old Flag (lab flag)	New Flag (Data Qualifier)	Final Q (summary)	Reason
TF-5(11-10-09)	11-10-09	1170505	5833454	n-Nitrosodiphenylamine	ND		J	UJ	MS/MSD %R
TF-23(11-10-09)	11-10-09	1170505	5833455	n-Nitrosodiphenylamine	ND		J	UJ	MS/MSD %R
DC-2(11-10-09)	11-10-09	1170505	5833458	n-Nitrosodiphenylamine	ND		J	UJ	MS/MSD %R
DC-1(11-10-09)	11-10-09	1170505	5833459	n-Nitrosodiphenylamine	ND		J	UJ	MS/MSD %R
DB-8A(11-10-09)	11-10-09	1170505	5833460	n-Nitrosodiphenylamine	ND		J	UJ	MS/MSD %R
DB-108A(11-10-09)	11-10-09	1170505	5833461	n-Nitrosodiphenylamine	ND		J	UJ	MS/MSD %R
DB-17(11-10-09)	11-10-09	1170505	5833462	n-Nitrosodiphenylamine	ND		J	UJ	MS/MSD %R
OS-2(11-11-09)	11-11-09	1170754	5835205	n-Nitrosodiphenylamine	ND		J	UJ	MS/MSD %R
OR-2(11-11-09)	11-11-09	1170754	5385206	n-Nitrosodiphenylamine	ND		J	UJ	MS/MSD %R
OS-3(11-11-09)	11-11-09	1170754	5835207	n-Nitrosodiphenylamine	ND		J	UJ	MS/MSD %R
0R-3(11-11-09)	11-11-09	1170754	5835211	n-Nitrosodiphenylamine	ND		J	UJ	MS/MSD %R

TABLE 3 – FIELD DUPLICATE SAMPLE RESULTS

Sample Matrix	Analyte	Collection Date	Field Sample ID	Field Sample Value	Replicate Sample ID	Replicate Sample Value	RPD*
GW	Trichloroethene	11-11-09	DB-8A	6 µg/L	DB-108A	6 µg/L	0.0
GW	All SVOCs	11-11-09	DB-8A	ND or <LOQ	DB-108A	ND or <LOW	n/a
GW	Lead	11-11-09	DB-8A	ND	DB-108A	ND	n/a

*RPD calculated only if both results >MDL.

“GW”=groundwater. “ND”=not detected. "LOQ"=limit of quantitation

APPENDIX C

HISTORICAL ANALYTICAL SUMMARY TABLES

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
DB-8A

Field Sample ID Location Sample Date Sample Purpose		DB-08A-0-0-06152000-W DB-8A 6/15/2000 Regular sample	DB-8A-032004 DB-8A 3/1/2004 Regular sample	DB-8A-072004 DB-8A 7/1/2004 Regular sample	DB-108A DB-8A 6/8/2006 Field Duplicate	DB-8A DB-8A 6/8/2006 Regular sample	DB-8A-111506 DB-8A 11/15/2006 Regular sample	DB-8A-082107 DB-8A 8/21/2007 Regular sample	DB-8A-112807 DB-8A 11/28/2007 Regular sample
Parameter Name	Units								
1,1,1,2-Tetrachloroethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1,2,2-Tetrachloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene (Dichloroethylene)	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene (o-Dichlorobenzene)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	ug/l	18	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloropropane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
2,2 Oxybis(2-chloropropane)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
2,4,6-Trichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
2,4-Dichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
2,4-Dimethylphenol	ug/l	NA	NA	NA	3 U	3 U	3 U	3 U	3 U
2,4-Dinitrophenol	ug/l	NA	NA	NA	20 U	20 U	19 U	20 U	19 U
2,4-Dinitrotoluene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
2,6-Dinitrotoluene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
2-Butanone (Methyl ethyl ketone)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	ug/l	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U
2-Chloronaphthalene	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U
2-Chlorophenol (o-Chlorophenol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
2-Hexanone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-naphthlalene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
2-Methylphenol (o-Cresol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
2-Nitroaniline (o-Nitroaniline)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
2-Nitrophenol (o-Nitrophenol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
3,3'-Dichlorobenzidine	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U
3-Nitroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ug/l	NA	NA	NA	5 U	5 U	5 U	5 U	5 U

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
DB-8A

Field Sample ID Location Sample Date Sample Purpose		DB-08A-0-0-06152000-W DB-8A 6/15/2000 Regular sample	DB-8A-032004 DB-8A 3/1/2004 Regular sample	DB-8A-072004 DB-8A 7/1/2004 Regular sample	DB-108A DB-8A 6/8/2006 Field Duplicate	DB-8A DB-8A 6/8/2006 Regular sample	DB-8A-111506 DB-8A 11/15/2006 Regular sample	DB-8A-082107 DB-8A 8/21/2007 Regular sample	DB-8A-112807 DB-8A 11/28/2007 Regular sample
Parameter Name	Units								
4-Bromophenylphenylether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
4-Chloroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
4-Chlorophenyl phenyl ether	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U
4-Isopropyltoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
4-Nitrophenol	ug/l	NA	NA	NA	10 U	10 U	10 U	10 U	10 U
Acenaphthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Acenaphthylene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Acetone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Acrolein	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Benzene	ug/l	0 U	0 U	0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzidine	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Benzo(a)Pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Benzo(b)Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Benzo(k)Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Bis(2-Chloroethoxy)methane	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Bis(2-Chloroethyl) ether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Bis(2-chloroisopropyl) ether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Bis(2-Ethylhexyl)phthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U
Bromobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Butylbenzylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U
Carbazole	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	ug/l	0.8	0 U	0 U	0.8 U	0.8 U	1 J	1 J	2 J
Chloromethane (Methyl chloride)	ug/l	0 U	0 U	0 U	1 U	1 U	1 UJ	1 U	1 UJ
Chrysene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Cis-1,3-Dichloropropene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Di-n-butylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U
Di-n-octylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Dibenzofuran	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane (Freon 12)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
DB-8A

Field Sample ID Location Sample Date Sample Purpose		DB-08A-0-0-06152000-W DB-8A 6/15/2000 Regular sample	DB-8A-032004 DB-8A 3/1/2004 Regular sample	DB-8A-072004 DB-8A 7/1/2004 Regular sample	DB-108A DB-8A 6/8/2006 Field Duplicate	DB-8A DB-8A 6/8/2006 Regular sample	DB-8A-111506 DB-8A 11/15/2006 Regular sample	DB-8A-082107 DB-8A 8/21/2007 Regular sample	DB-8A-112807 DB-8A 11/28/2007 Regular sample
Parameter Name	Units								
Diethylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U
Dimethylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U
Ethylbenzene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Fluorene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene	ug/l	NA	NA	NA	6	5	6	5 J	4 J
Hexachlorocyclopentadiene	ug/l	NA	NA	NA	5 U	5 U	5 U	5 U	5 U
Hexachloroethane	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Indeno(1,2,3-cd)pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Iodomethane (Methyl iodide)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Lead	ug/l	0.0486	0.00083	0.0057	0.0069 U	0.0069 U	0.0069 U	0.0069 U	0.0095 J
Methyl-t-butyl ether	ug/l	NA	NA	NA	0.5 U	0.5 U	0.5 U		0.5 U
Methylene chloride (Dichloromethane)	ug/l	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U
n-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine (Diphenylamine)	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U
n-Propylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Nitrobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
o-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloro-m-cresol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
p-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
p-Cresol	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U
Pentachlorophenol	ug/l	NA	NA	NA	3 U	3 U	3 U	3 U	3 U
Phenanthrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Phenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
Pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
t-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Toluene	ug/l	0 U	0 U	0 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
trans-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene (Trichloroethylene)	ug/l	26	2.2	10	14	13	11	13	6
Trichlorofluoromethane (Freon 11)	ug/l	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U
Trihalomethanes, Total	ug/l	0 U	0 U	0 U	NA	NA	NA	NA	NA
Vinyl chloride (Chloroethene)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U

Notes: NA - Not Analyzed
U - The analyte was analyzed, but not detected. The associated numerical value is at or below the method detection limit.
J - The analyte was positively identified, but the quantitation is an estimation.
(1) - Results reported as zero are historical values that did not have documented detection limits.

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
DB-8A

Field Sample ID Location Sample Date Sample Purpose		DB-8A-061008 DB-8A 6/10/2008 Regular sample	DB-8A(11-18-08) DB-8A 11/18/2008 Regular sample	DB-8A(7-15-09) DB-8A 07/15/2009 Regular sample	DB-108A(11-11-09) DB-108A 11/10/2009 Regular sample	DB-8A(11-10-09) DB-8A 11/10/2009 Regular sample
Parameter Name	Units					
1,1,1,2-Tetrachloroethane	ug/l	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1,2,2-Tetrachloroethane	ug/l	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethane	ug/l	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene (Dichloroethylene)	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloropropane	ug/l	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/l	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/l	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
1,2,4-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/l	NA	NA	NA	NA	NA
1,2-Dichlorobenzene (o-Dichlorobenzene)	ug/l	1 U	1 U	1 UJ	1 U	1 U
1,2-Dichloroethane	ug/l	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloropropane	ug/l	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/l	1 U	1 U	1 UJ	1 U	1 U
1,3-Dichloropropane	ug/l	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/l	1 U	1 U	1 UJ	1 U	1 U
2,2 Oxybis(2-chloropropane)	ug/l	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/l	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
2,4,6-Trichlorophenol	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
2,4-Dichlorophenol	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
2,4-Dimethylphenol	ug/l	3 U	3 U	3 UJ	3 U	3 U
2,4-Dinitrophenol	ug/l	19 U	19 U	19 UJ	22 U	20 U
2,4-Dinitrotoluene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
2,6-Dinitrotoluene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
2-Butanone (Methyl ethyl ketone)	ug/l	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	ug/l	2 U	2 UJ	2 UJ	2 U	2 U
2-Chloronaphthalene	ug/l	2 U	2 U	2 UJ	2 U	2 U
2-Chlorophenol (o-Chlorophenol)	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
2-Hexanone	ug/l	NA	NA	NA	NA	NA
2-Methyl-naphthlalene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
2-Methylphenol (o-Cresol)	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
2-Nitroaniline (o-Nitroaniline)	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
2-Nitrophenol (o-Nitrophenol)	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
3,3'-Dichlorobenzidine	ug/l	2 U	2 U	2 UJ	2 U	2 U
3-Nitroaniline	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ug/l	5 U	5 U	5 UJ	6 U	5 U

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
DB-8A

Field Sample ID Location Sample Date Sample Purpose		DB-8A-061008 DB-8A 6/10/2008 Regular sample	DB-8A(11-18-08) DB-8A 11/18/2008 Regular sample	DB-8A(7-15-09) DB-8A 07/15/2009 Regular sample	DB-108A(11-11-09) DB-108A 11/10/2009 Regular sample	DB-8A(11-10-09) DB-8A 11/10/2009 Regular sample
Parameter Name	Units					
4-Bromophenylphenylether	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
4-Chloroaniline	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
4-Chlorophenyl phenyl ether	ug/l	2 U	2 U	2 UJ	2 U	2 U
4-Isopropyltoluene	ug/l	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	ug/l	NA	NA	NA	NA	NA
4-Nitroaniline	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
4-Nitrophenol	ug/l	10 U	9 U	10 UJ	11 U	10 U
Acenaphthene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Acenaphthylene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Acetone	ug/l	NA	NA	NA	NA	NA
Acrolein	ug/l	NA	NA	NA	NA	NA
Acrylonitrile	ug/l	NA	NA	NA	NA	NA
Anthracene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Benzene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzidine	ug/l	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Benzo(a)Pyrene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Benzo(b)Fluoranthene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Benzo(g,h,i)perylene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Benzo(k)Fluoranthene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Bis(2-Chloroethoxy)methane	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Bis(2-Chloroethyl) ether	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Bis(2-chloroisopropyl) ether	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Bis(2-Ethylhexyl)phthalate	ug/l	2 U	2 U	2 UJ	2 U	2 U
Bromobenzene	ug/l	NA	NA	NA	NA	NA
Bromochloromethane	ug/l	NA	NA	NA	NA	NA
Bromodichloromethane	ug/l	1 U	1 U	1 U	1 U	1 U
Bromoform	ug/l	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	ug/l	1 U	1 U	1 U	1 U	1 U
Butylbenzylphthalate	ug/l	2 U	2 U	2 UJ	2 U	2 U
Carbazole	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Carbon Disulfide	ug/l	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/l	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloroethane	ug/l	1 U	1 U	1 U	1 U	1 U
Chloroform	ug/l	0.8 U	1 J	0.8 U	1 J	1 J
Chloromethane (Methyl chloride)	ug/l	1 U	1 U	1 U	1 U	1 U
Chrysene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Cis-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA
Cis-1,3-Dichloropropene	ug/l	1 U	1 U	1 U	1 U	1 U
Di-n-butylphthalate	ug/l	2 U	2 U	2 UJ	2 U	2 U
Di-n-octylphthalate	ug/l	2 U	2 U	2 UJ	2 U	2 U
Dibenz(a,h)anthracene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Dibenzofuran	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Dibromochloromethane	ug/l	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane (Freon 12)	ug/l	NA	NA	NA	NA	NA

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
DB-8A

Field Sample ID Location Sample Date Sample Purpose		DB-8A-061008 DB-8A 6/10/2008 Regular sample	DB-8A(11-18-08) DB-8A 11/18/2008 Regular sample	DB-8A(7-15-09) DB-8A 07/15/2009 Regular sample	DB-108A(11-11-09) DB-108A 11/10/2009 Regular sample	DB-8A(11-10-09) DB-8A 11/10/2009 Regular sample
Parameter Name	Units					
Diethylphthalate	ug/l	2 U	2 U	2 UJ	2 U	2 U
Dimethylphthalate	ug/l	2 U	2 U	2 UJ	2 U	2 U
Ethylbenzene	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Fluoranthene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Fluorene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Hexachlorobenzene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Hexachlorobutadiene	ug/l	4 J	5 J	4 J	4 J	4 J
Hexachlorocyclopentadiene	ug/l	5 U	5 U	5 UJ	6 U	5 U
Hexachloroethane	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Indeno(1,2,3-cd)pyrene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Iodomethane (Methyl iodide)	ug/l	NA	NA	NA	NA	NA
Isophorone	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Isopropylbenzene	ug/l	NA	NA	NA	NA	NA
Lead	ug/l	0.0069 U	0.0101 J	0.0069 U	0.0069 U	0.0069 U
Methyl-t-butyl ether	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride (Dichloromethane)	ug/l	2 U	2 U	2 U	2 U	2 U
n-Butylbenzene	ug/l	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
N-Nitrosodiphenylamine (Diphenylamine)	ug/l	2 U	2 U	2 UJ	2 UJ	2 UJ
n-Propylbenzene	ug/l	NA	NA	NA	NA	NA
Naphthalene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Nitrobenzene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
o-chlorotoluene	ug/l	NA	NA	NA	NA	NA
p-Chloro-m-cresol	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
p-chlorotoluene	ug/l	NA	NA	NA	NA	NA
p-Cresol	ug/l	2 U	2 U	2 UJ	2 U	2 U
Pentachlorophenol	ug/l	3 U	3 U	3 UJ	3 U	3 U
Phenanthrene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Phenol	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
Pyrene	ug/l	1 U	0.9 U	1 UJ	1 U	1 U
sec-Butylbenzene	ug/l	NA	NA	NA	NA	NA
Styrene	ug/l	NA	NA	NA	NA	NA
t-Butylbenzene	ug/l	NA	NA	NA	NA	NA
Tetrachloroethene	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Toluene	ug/l	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
trans-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/l	1 U	1 U	1 U	1 U	1 U
Trichloroethene (Trichloroethylene)	ug/l	7	9	7	6	6
Trichlorofluoromethane (Freon 11)	ug/l	2 U	2 U	2 U	2 U	2 U
Trihalomethanes, Total	ug/l	NA	NA	NA	NA	NA
Vinyl chloride (Chloroethene)	ug/l	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U

Notes: NA - Not Analyzed
U - The analyte was analyzed, but not detected. The associated numerical value is at or below the method detection limit.
J - The analyte was positively identified, but the quantitation is an estimation.
(1) - Results reported as zero are historical values that did not have documented detection limits.

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
DB-17

Field Sample ID Location Sample Date Sample Purpose		DB-17-0-0-06152000-W DB-17 6/15/2000 Regular sample	DB-17-032004 DB-17 3/1/2004 Regular sample	DB-17 DB-17 11/15/2006 Regular sample	DB-17A DB-17A 6/8/2006 Regular sample	DB-17A-061108 DB-17A 6/11/2008 Regular sample	DB-17(7-15-09) DB-17 07/15/2009 Regular sample	DB-17(11-10-09) DB-17 11/10/2009 Regular sample
Parameter Name	Units							
1,1,1,2-Tetrachloroethane	ug/l	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/l	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1,2,2-Tetrachloroethane	ug/l	0 U	0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	ug/l	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethane	ug/l	0 U	0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene (Dichloroethylene)	ug/l	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/l	NA	NA	1 U	1 U	1 U	1 UJ	1 U
1,2,4-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/l	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene (o-Dichlorobenzene)	ug/l	0 U	0 U	1 U	1 U	1 U	1 UJ	1 U
1,2-Dichloroethane	ug/l	0 U	0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	ug/l	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloropropane	ug/l	0 U	0 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/l	0 U	0 U	1 U	1 U	1 U	1 UJ	1 U
1,3-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/l	0 U	0 U	1 U	1 U	1 U	1 UJ	1 U
2,2 Oxybis(2-chloropropane)	ug/l	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
2,4,6-Trichlorophenol	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
2,4-Dichlorophenol	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
2,4-Dimethylphenol	ug/l	NA	NA	3 U	3 U	3 U	3 U	3 U
2,4-Dinitrophenol	ug/l	NA	NA	19 U	20 U	20 U	23 U	19 U
2,4-Dinitrotoluene	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
2,6-Dinitrotoluene	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
2-Butanone (Methyl ethyl ketone)	ug/l	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	ug/l	0 U	0 U	2 U	2 U	2 U	2 UJ	2 U
2-Chloronaphthalene	ug/l	NA	NA	2 U	2 U	2 U	2 U	2 U
2-Chlorophenol (o-Chlorophenol)	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
2-Hexanone	ug/l	NA	NA	NA	NA	NA	NA	NA
2-Methyl-naphthlalene	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
2-Methylphenol (o-Cresol)	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
2-Nitroaniline (o-Nitroaniline)	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
2-Nitrophenol (o-Nitrophenol)	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
3,3'-Dichlorobenzidine	ug/l	NA	NA	2 U	2 U	2 U	2 U	2 U
3-Nitroaniline	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ug/l	NA	NA	5 U	5 U	5 U	6 U	5 U
4-Bromophenylphenylether	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
4-Chloroaniline	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
4-Chlorophenyl phenyl ether	ug/l	NA	NA	2 U	2 U	2 U	2 U	2 U
4-Isopropyltoluene	ug/l	NA	NA	NA	NA	NA	NA	NA

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
DB-17

Field Sample ID Location Sample Date Sample Purpose		DB-17-0-0-06152000-W DB-17 6/15/2000 Regular sample	DB-17-032004 DB-17 3/1/2004 Regular sample	DB-17 DB-17 11/15/2006 Regular sample	DB-17A DB-17A 6/8/2006 Regular sample	DB-17A-061108 DB-17A 6/11/2008 Regular sample	DB-17(7-15-09) DB-17 07/15/2009 Regular sample	DB-17(11-10-09) DB-17 11/10/2009 Regular sample
Parameter Name	Units							
4-Methyl-2-pentanone	ug/l	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
4-Nitrophenol	ug/l	NA	NA	10 U	10 U	10 U	11 U	10 U
Acenaphthene	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Acenaphthylene	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Acetone	ug/l	NA	NA	NA	NA	NA	NA	NA
Acrolein	ug/l	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	ug/l	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Benzene	ug/l	0 U	0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzidine	ug/l	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Benzo(a)Pyrene	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Benzo(b)Fluoranthene	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Benzo(k)Fluoranthene	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Bis(2-Chloroethoxy)methane	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Bis(2-Chloroethyl) ether	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Bis(2-chloroisopropyl) ether	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Bis(2-Ethylhexyl)phthalate	ug/l	NA	NA	2 U	2 U	2 U	2 U	2 U
Bromobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/l	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/l	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	ug/l	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	ug/l	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Butylbenzylphthalate	ug/l	NA	NA	2 U	2 U	2 U	2 U	2 U
Carbazole	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	ug/l	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/l	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	ug/l	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloroethane	ug/l	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	ug/l	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloromethane (Methyl chloride)	ug/l	0 U	0 U	1 UJ	1 U	1 U	1 U	1 U
Chrysene	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA
Cis-1,3-Dichloropropene	ug/l	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Di-n-butylphthalate	ug/l	NA	NA	2 U	2 U	2 U	2 U	2 U
Di-n-octylphthalate	ug/l	NA	NA	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Dibenzofuran	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	ug/l	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane (Freon 12)	ug/l	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	ug/l	NA	NA	2 U	2 U	2 U	2 U	2 U
Dimethylphthalate	ug/l	NA	NA	2 U	2 U	2 U	2 U	2 U
Ethylbenzene	ug/l	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Fluoranthene	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Fluorene	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
DB-17

Field Sample ID Location Sample Date Sample Purpose		DB-17-0-0-06152000-W DB-17 6/15/2000 Regular sample	DB-17-032004 DB-17 3/1/2004 Regular sample	DB-17 DB-17 11/15/2006 Regular sample	DB-17A DB-17A 6/8/2006 Regular sample	DB-17A-061108 DB-17A 6/11/2008 Regular sample	DB-17(7-15-09) DB-17 07/15/2009 Regular sample	DB-17(11-10-09) DB-17 11/10/2009 Regular sample
Parameter Name	Units							
Hexachlorobenzene	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene	ug/l	NA	NA	1 U	1 U	1 U	1 UJ	1 U
Hexachlorocyclopentadiene	ug/l	NA	NA	5 U	5 U	5 U	6 U	5 U
Hexachloroethane	ug/l	NA	NA	1 U	1 U	1 U	1 UJ	1 U
Indeno(1,2,3-cd)pyrene	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Iodomethane (Methyl iodide)	ug/l	NA	NA	NA	NA	NA	NA	NA
Isophorone	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA
Lead	ug/l	0.0195	0.0532	0.0069 U	0.0069 U	0.0072 J	NA	0.0069 U
Methyl-t-butyl ether	ug/l	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride (Dichloromethane)	ug/l	0 U	0 U	2 U	2 U	2 U	2 U	2 U
n-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine (Diphenylamine)	ug/l	NA	NA	2 U	2 U	2 U	2 U	2 UJ
n-Propylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/l	NA	NA	1 U	1 U	1 U	1 UJ	1 U
Nitrobenzene	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
o-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA
p-Chloro-m-cresol	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
p-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA
p-Cresol	ug/l	NA	NA	2 U	2 U	2 U	2 U	2 U
Pentachlorophenol	ug/l	NA	NA	3 U	3 U	3 U	3 U	3 U
Phenanthrene	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Phenol	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
Pyrene	ug/l	NA	NA	1 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA
Styrene	ug/l	NA	NA	NA	NA	NA	NA	NA
t-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/l	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Toluene	ug/l	0 U	0 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
trans-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/l	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene (Trichloroethylene)	ug/l	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane (Freon 11)	ug/l	0 U	0 U	2 U	2 U	2 U	2 U	2 U
Trihalomethanes, Total	ug/l	0 U	0 U	NA	NA	NA	NA	NA
Vinyl chloride (Chloroethene)	ug/l	0 U	0 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	ug/l	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U

Notes: NA - Not Analyzed
U - The analyte was analyzed, but not detected. The associated numerical value is at or below the method detection limit.
J - The analyte was positively identified, but the quantitation is an estimation.
(1) - Results reported as zero are historical values that did not have documented detection limits.

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
DC-1

Field Sample ID Location Sample Date Sample Purpose		DC-01-0-0-06152000-W DC-1 6/15/2000 Regular sample	DC-1-032004 DC-1 3/1/2004 Regular sample	DC-1-072004 DC-1 7/1/2004 Regular sample	DC-1 DC-1 6/8/2006 Regular sample	DC-1-111506 DC-1 11/15/2006 Regular sample	DC-1-082207 DC-1 8/22/2007 Regular sample	DC-1-112807 DC-1 11/28/2007 Regular sample	DC-1-061108 DC-1 6/10/2008 Regular sample	DC-1(11-18-08) DC-1 11/18/2008 Regular sample	DC-1(7-14-09) DC-1 07/14/2009 Regular sample	DC-1(11-10-09) DC-1 11/10/2009 Regular sample
Parameter Name	Units											
1,1,1,2-Tetrachloroethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/l	0.5	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1,2,2-Tetrachloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene (Dichloroethylene)	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
1,2,4-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene (o-Dichlorobenzene)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
1,2-Dichloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	ug/l	17	11	13	7	7	0.8 U	7	5 J	4 J	6	5 J
1,2-Dichloropropane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
1,3-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,2 Oxybis(2-chloropropane)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,4,6-Trichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,4-Dichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,4-Dimethylphenol	ug/l	NA	NA	NA	3 U	3 U	3 U	3 U	3 U	3 U	3 UJ	3 U
2,4-Dinitrophenol	ug/l	NA	NA	NA	19 U	19 U	22 U	22 U	19 U	19 U	19 UJ	22 U
2,4-Dinitrotoluene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,6-Dinitrotoluene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Butanone (Methyl ethyl ketone)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	ug/l	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 UJ	2 U
2-Chloronaphthalene	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
2-Chlorophenol (o-Chlorophenol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Hexanone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-naphthlalene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Methylphenol (o-Cresol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Nitroaniline (o-Nitroaniline)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Nitrophenol (o-Nitrophenol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
3,3'-Dichlorobenzidine	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
3-Nitroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ug/l	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U
4-Bromophenylphenylether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4-Chloroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4-Chlorophenyl phenyl ether	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
4-Isopropyltoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
DC-1

Field Sample ID Location Sample Date Sample Purpose		DC-01-0-0-06152000-W DC-1 6/15/2000 Regular sample	DC-1-032004 DC-1 3/1/2004 Regular sample	DC-1-072004 DC-1 7/1/2004 Regular sample	DC-1 DC-1 6/8/2006 Regular sample	DC-1-111506 DC-1 11/15/2006 Regular sample	DC-1-082207 DC-1 8/22/2007 Regular sample	DC-1-112807 DC-1 11/28/2007 Regular sample	DC-1-061108 DC-1 6/10/2008 Regular sample	DC-1(11-18-08) DC-1 11/18/2008 Regular sample	DC-1(7-14-09) DC-1 07/14/2009 Regular sample	DC-1(11-10-09) DC-1 11/10/2009 Regular sample
Parameter Name	Units											
4-Methyl-2-pentanone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4-Nitrophenol	ug/l	NA	NA	NA	10 U	10 U	11 U	11 U	10 U	10 U	10 UJ	11 U
Acenaphthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Acenaphthylene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Acetone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrolein	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzene	ug/l	0 U	0 U	0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzidine	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzo(a)Pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzo(b)Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzo(g,h,i)perylene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzo(k)Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Bis(2-Chloroethoxy)methane	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Bis(2-Chloroethyl) ether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Bis(2-chloroisopropyl) ether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Bis(2-Ethylhexyl)phthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Bromobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Butylbenzylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Carbazole	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Carbon Disulfide	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	ug/l	0.8	0.6 J	1.1	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloromethane (Methyl chloride)	ug/l	0 U	0 U	0 U	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 U
Chrysene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Cis-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cis-1,3-Dichloropropene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Di-n-octylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Dibenz(a,h)anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Dibenzofuran	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Dibromochloromethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane (Freon 12)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Dimethylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Ethylbenzene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
DC-1

Field Sample ID		DC-01-0-0-06152000-W	DC-1-032004	DC-1-072004	DC-1	DC-1-111506	DC-1-082207	DC-1-112807	DC-1-061108	DC-1(11-18-08)	DC-1(7-14-09)	DC-1(11-10-09)
Location		DC-1	DC-1	DC-1	DC-1	DC-1	DC-1	DC-1	DC-1	DC-1	DC-1	DC-1
Sample Date		6/15/2000	3/1/2004	7/1/2004	6/8/2006	11/15/2006	8/22/2007	11/28/2007	6/10/2008	11/18/2008	07/14/2009	11/10/2009
Sample Purpose		Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
Parameter Name	Units											
Fluorene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Hexachlorobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Hexachlorobutadiene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Hexachlorocyclopentadiene	ug/l	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U
Hexachloroethane	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Indeno(1,2,3-cd)pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Iodomethane (Methyl iodide)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Isopropylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	ug/l	0.0535	0.0092	0.0338	0.0069 U	0.0071 J	0.044	0.0157	0.0137 J	0.0361	0.0069 U	0.0069 U
Methyl-t-butyl ether	ug/l	NA	NA	NA	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride (Dichloromethane)	ug/l	0 U	0 U	0.8 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
n-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
N-Nitrosodiphenylamine (Diphenylamine)	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 UJ
n-Propylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Nitrobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
o-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloro-m-cresol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
p-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Cresol	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Pentachlorophenol	ug/l	NA	NA	NA	3 U	3 U	3 U	3 U	3 U	3 U	3 UJ	3 U
Phenanthrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Phenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
sec-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
t-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Toluene	ug/l	0 U	0 U	0 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
trans-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene (Trichloroethylene)	ug/l	23	11	16	11	12	9	11	10	4 J	10	9
Trichlorofluoromethane (Freon 11)	ug/l	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Trihalomethanes, Total	ug/l	0 U	0 U	1.1	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride (Chloroethene)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U

Notes: NA - Not Analyzed
U - The analyte was analyzed, but not detected. The associated numerical value is at or below the method detection limit.
J - The analyte was positively identified, but the quantitation is an estimation.
(1) - Results reported as zero are historical values that did not have documented detection limits.

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
DC-2

Field Sample ID		DC-02-0-0-06152000-W	DC-2-032004	DC-2-072004	DC-2	DC-2-111506	DC-2-082107	DC-2-112807	DC-2-061008	DC-2(11-18-08)	DC-2-D(11-18-08)	DC-2(7-14-09)	DC-2(11-10-09)
Location		DC-2	DC-2	DC-2	DC-2	DC-2	DC-2	DC-2	DC-2	DC-2	DC-2	DC-2	DC-2
Sample Date		6/15/2000	3/1/2004	7/1/2004	6/7/2006	11/15/2006	8/21/2007	11/28/2007	6/10/2008	11/18/2008	11/18/2008	07/14/2009	11/10/2009
Sample Purpose		Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Field Duplicate	Regular sample	Regular sample
Parameter Name	Units												
1,1,1,2-Tetrachloroethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1,2,2-Tetrachloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene (Dichloroethylene)	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
1,2,4-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene (o-Dichlorobenzene)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
1,2-Dichloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloropropane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
1,3-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,2 Oxybis(2-chloropropane)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,4,6-Trichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,4-Dichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,4-Dimethylphenol	ug/l	NA	NA	NA	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 UJ	3 U
2,4-Dinitrophenol	ug/l	NA	NA	NA	20 U	19 U	20 U	20 U	22 U	19 U	19 U	20 UJ	20 U
2,4-Dinitrotoluene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,6-Dinitrotoluene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Butanone (Methyl ethyl ketone)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	ug/l	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 UJ	2 UJ	2 U
2-Chloronaphthalene	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
2-Chlorophenol (o-Chlorophenol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Hexanone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-naphthlalene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Methylphenol (o-Cresol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Nitroaniline (o-Nitroaniline)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Nitrophenol (o-Nitrophenol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
3,3'-Dichlorobenzidine	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
3-Nitroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ug/l	NA	NA	NA	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 UJ	5 U
4-Bromophenylphenylether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4-Chloroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4-Chlorophenyl phenyl ether	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
DC-2

Field Sample ID		DC-02-0-0-06152000-W	DC-2-032004	DC-2-072004	DC-2	DC-2-111506	DC-2-082107	DC-2-112807	DC-2-061008	DC-2(11-18-08)	DC-2-D(11-18-08)	DC-2(7-14-09)	DC-2(11-10-09)
Location		DC-2	DC-2	DC-2	DC-2	DC-2	DC-2	DC-2	DC-2	DC-2	DC-2	DC-2	DC-2
Sample Date		6/15/2000	3/1/2004	7/1/2004	6/7/2006	11/15/2006	8/21/2007	11/28/2007	6/10/2008	11/18/2008	11/18/2008	07/14/2009	11/10/2009
Sample Purpose		Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Field Duplicate	Regular sample	Regular sample
Parameter Name	Units												
4-Isopropyltoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4-Nitrophenol	ug/l	NA	NA	NA	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 UJ	10 U
Acenaphthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Acenaphthylene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Acetone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrolein	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzene	ug/l	0 U	0 U	0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzidine	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzo(a)Pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzo(b)Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzo(g,h,i)perylene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzo(k)Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Bis(2-Chloroethoxy)methane	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Bis(2-Chloroethyl) ether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Bis(2-chloroisopropyl) ether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Bis(2-Ethylhexyl)phthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Bromobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Butylbenzylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Carbazole	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Carbon Disulfide	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloromethane (Methyl chloride)	ug/l	0 U	0 U	0 U	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Chrysene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Cis-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cis-1,3-Dichloropropene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Di-n-octylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Dibenz(a,h)anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Dibenzofuran	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Dibromochloromethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane (Freon 12)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Dimethylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
DC-2

Field Sample ID		DC-02-0-0-06152000-W	DC-2-032004	DC-2-072004	DC-2	DC-2-111506	DC-2-082107	DC-2-112807	DC-2-061008	DC-2(11-18-08)	DC-2-D(11-18-08)	DC-2(7-14-09)	DC-2(11-10-09)
Location		DC-2	DC-2	DC-2	DC-2	DC-2	DC-2	DC-2	DC-2	DC-2	DC-2	DC-2	DC-2
Sample Date		6/15/2000	3/1/2004	7/1/2004	6/7/2006	11/15/2006	8/21/2007	11/28/2007	6/10/2008	11/18/2008	11/18/2008	07/14/2009	11/10/2009
Sample Purpose		Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Field Duplicate	Regular sample	Regular sample
Parameter Name	Units												
Ethylbenzene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Fluorene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Hexachlorobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Hexachlorobutadiene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Hexachlorocyclopentadiene	ug/l	NA	NA	NA	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 UJ	5 U
Hexachloroethane	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Indeno(1,2,3-cd)pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Iodomethane (Methyl iodide)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Isopropylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	ug/l	0.0364	0.00075	0.0031	0.0069 U	0.0069 U	0.0069 U	0.0161	0.0069 U	0.0244	0.0271	0.0069 U	0.0069 U
Methyl-t-butyl ether	ug/l	NA	NA	NA	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride (Dichloromethane)	ug/l	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
n-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
N-Nitrosodiphenylamine (Diphenylamine)	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 UJ
n-Propylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Nitrobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
o-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloro-m-cresol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
p-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Cresol	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Pentachlorophenol	ug/l	NA	NA	NA	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 UJ	3 U
Phenanthrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Phenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
sec-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
t-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Toluene	ug/l	0 U	0 U	0 U	0.8 J	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
trans-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene (Trichloroethylene)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane (Freon 11)	ug/l	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Trihalomethanes, Total	ug/l	0 U	0 U	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride (Chloroethene)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U

Notes: NA - Not Analyzed
U - The analyte was analyzed, but not detected. The associated numerical value is at or below the method detection limit.
J - The analyte was positively identified, but the quantitation is an estimation.
(1) - Results reported as zero are historical values that did not have documented detection limits.

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
OR-2

Field Sample ID		OR-02-0-0-06152000-W	OR-2-032004	OR-2-072004	OR-2	OR-2-111606	OR-2-082207	OR-2-112907	OR-2-061208	OR-2(11-20-08)	OR-2(7-15-09)	OR-2(11-11-09)
Location		OR-2	OR-2	OR-2	OR-2	OR-2	OR-2	OR-2	OR-2	OR-2	OR-2	OR-2
Sample Date		6/15/2000	3/1/2004	7/1/2004	6/9/2006	11/16/2006	8/22/2007	11/28/2007	6/12/2008	11/20/2008	07/15/2009	11/11/2009
Sample Purpose		Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
Parameter Name	Units											
1,1,1,2-Tetrachloroethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1,2,2-Tetrachloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethane	ug/l	1	0 U	0 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene (Dichloroethylene)	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
1,2,4-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene (o-Dichlorobenzene)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
1,2-Dichloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloropropane	ug/l	0 U	0.48	0.9 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
1,3-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,2 Oxybis(2-chloropropane)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,4,6-Trichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,4-Dichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,4-Dimethylphenol	ug/l	NA	NA	NA	3 U	3 U	3 U	3 U	3 U	3 U	3 UJ	3 U
2,4-Dinitrophenol	ug/l	NA	NA	NA	20 U	19 U	21 U	20 U	19 U	19 U	20 UJ	20 U
2,4-Dinitrotoluene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,6-Dinitrotoluene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Butanone (Methyl ethyl ketone)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	ug/l	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 UJ	2 U
2-Chloronaphthalene	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
2-Chlorophenol (o-Chlorophenol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Hexanone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-naphthlalene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Methylphenol (o-Cresol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Nitroaniline (o-Nitroaniline)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Nitrophenol (o-Nitrophenol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
3,3'-Dichlorobenzidine	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
3-Nitroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ug/l	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U
4-Bromophenylphenylether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4-Chloroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4-Chlorophenyl phenyl ether	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
OR-2

Field Sample ID		OR-02-0-0-06152000-W	OR-2-032004	OR-2-072004	OR-2	OR-2-111606	OR-2-082207	OR-2-112907	OR-2-061208	OR-2(11-20-08)	OR-2(7-15-09)	OR-2(11-11-09)
Location		OR-2	OR-2	OR-2	OR-2	OR-2	OR-2	OR-2	OR-2	OR-2	OR-2	OR-2
Sample Date		6/15/2000	3/1/2004	7/1/2004	6/9/2006	11/16/2006	8/22/2007	11/28/2007	6/12/2008	11/20/2008	07/15/2009	11/11/2009
Sample Purpose		Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
Parameter Name	Units											
4-Isopropyltoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4-Nitrophenol	ug/l	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Acenaphthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Acenaphthylene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Acetone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrolein	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzene	ug/l	0 U	0 U	0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzidine	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzo(a)Pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzo(b)Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzo(g,h,i)perylene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzo(k)Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Bis(2-Chloroethoxy)methane	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Bis(2-Chloroethyl) ether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Bis(2-chloroisopropyl) ether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Bis(2-Ethylhexyl)phthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	3 J	2 UJ	2 U
Bromobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Butylbenzylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Carbazole	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Carbon Disulfide	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloromethane (Methyl chloride)	ug/l	0 U	0 U	0 U	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 U
Chrysene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Cis-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cis-1,3-Dichloropropene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Di-n-octylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Dibenz(a,h)anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Dibenzofuran	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Dibromochloromethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane (Freon 12)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Dimethylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
OR-2

Field Sample ID		OR-02-0-0-06152000-W	OR-2-032004	OR-2-072004	OR-2	OR-2-111606	OR-2-082207	OR-2-112907	OR-2-061208	OR-2(11-20-08)	OR-2(7-15-09)	OR-2(11-11-09)
Location		OR-2	OR-2	OR-2	OR-2	OR-2	OR-2	OR-2	OR-2	OR-2	OR-2	OR-2
Sample Date		6/15/2000	3/1/2004	7/1/2004	6/9/2006	11/16/2006	8/22/2007	11/28/2007	6/12/2008	11/20/2008	07/15/2009	11/11/2009
Sample Purpose		Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
Parameter Name	Units											
Ethylbenzene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Fluorene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Hexachlorobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Hexachlorobutadiene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Hexachlorocyclopentadiene	ug/l	NA	NA	NA	5 U	5 UJ	5 U	5 U	5 U	5 U	5 UJ	5 U
Hexachloroethane	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Indeno(1,2,3-cd)pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Iodomethane (Methyl iodide)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Isopropylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	ug/l	0.0113	0	0.0059	0.0069 U	0.0069 U	0.0069 U	0.0069 U	0.0069 U	0.0069 U	0.0069 U	0.0069 U
Methyl-t-butyl ether	ug/l	NA	NA	NA	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride (Dichloromethane)	ug/l	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
n-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
N-Nitrosodiphenylamine (Diphenylamine)	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 UJ
n-Propylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Nitrobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
o-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloro-m-cresol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
p-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Cresol	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Pentachlorophenol	ug/l	NA	NA	NA	3 U	3 U	3 U	3 U	3 U	3 U	3 UJ	3 U
Phenanthrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Phenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	3 J	1 UJ	1 U
Pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
sec-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
t-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Toluene	ug/l	0 U	0 U	0 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
trans-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene (Trichloroethylene)	ug/l	0.7	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane (Freon 11)	ug/l	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Trihalomethanes, Total	ug/l	0 U	0 U	0 U	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride (Chloroethene)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U

Notes: NA - Not Analyzed
U - The analyte was analyzed, but not detected. The associated numerical value is at or below the method detection limit.
J - The analyte was positively identified, but the quantitation is an estimation.
(1) - Results reported as zero are historical values that did not have documented detection limits.

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
OR-3

Field Sample ID		OR-03-0-0-06152000-W	OR-3-032004	OR-3-072004	OR-3	OR-3-111606	OR-3-082207	OR-3-112907	OR-3-061208	OR-3(11-20-08)	OR-3(7-15-09)	OR-3(11-11-09)
Location		OR-3	OR-3	OR-3	OR-3	OR-3	OR-3	OR-3	OR-3	OR-3	OR-3	OR-3
Sample Date		6/15/2000	3/1/2004	7/1/2004	6/9/2006	11/16/2006	8/22/2007	11/29/2007	6/12/2008	11/20/2008	07/15/2009	11/11/2009
Sample Purpose		Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
Parameter Name	Units											
1,1,1,2-Tetrachloroethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1,2,2-Tetrachloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene (Dichloroethylene)	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
1,2,4-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene (o-Dichlorobenzene)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
1,2-Dichloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloropropane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
1,3-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,2 Oxybis(2-chloropropane)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,4,6-Trichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,4-Dichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,4-Dimethylphenol	ug/l	NA	NA	NA	3 U	3 U	3 U	3 U	3 U	3 U	3 UJ	3 U
2,4-Dinitrophenol	ug/l	NA	NA	NA	21 U	19 U	20 U	21 U	19 U	19 U	20 UJ	20 U
2,4-Dinitrotoluene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,6-Dinitrotoluene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Butanone (Methyl ethyl ketone)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	ug/l	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 UJ	2 U
2-Chloronaphthalene	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
2-Chlorophenol (o-Chlorophenol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Hexanone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-naphthlalene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Methylphenol (o-Cresol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Nitroaniline (o-Nitroaniline)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Nitrophenol (o-Nitrophenol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
3,3'-Dichlorobenzidine	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
3-Nitroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ug/l	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U
4-Bromophenylphenylether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4-Chloroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4-Chlorophenyl phenyl ether	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
4-Isopropyltoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
OR-3

Field Sample ID		OR-03-0-0-06152000-W	OR-3-032004	OR-3-072004	OR-3	OR-3-111606	OR-3-082207	OR-3-112907	OR-3-061208	OR-3(11-20-08)	OR-3(7-15-09)	OR-3(11-11-09)
Location		OR-3	OR-3	OR-3	OR-3	OR-3	OR-3	OR-3	OR-3	OR-3	OR-3	OR-3
Sample Date		6/15/2000	3/1/2004	7/1/2004	6/9/2006	11/16/2006	8/22/2007	11/29/2007	6/12/2008	11/20/2008	07/15/2009	11/11/2009
Sample Purpose		Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
Parameter Name	Units											
4-Methyl-2-pentanone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4-Nitrophenol	ug/l	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Acenaphthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Acenaphthylene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Acetone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrolein	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzene	ug/l	0 U	0 U	0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzidine	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzo(a)Pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzo(b)Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzo(g,h,i)perylene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzo(k)Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Bis(2-Chloroethoxy)methane	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Bis(2-Chloroethyl) ether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Bis(2-chloroisopropyl) ether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Bis(2-Ethylhexyl)phthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	4 J	2 UJ	2 U
Bromobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Butylbenzylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Carbazole	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Carbon Disulfide	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloromethane (Methyl chloride)	ug/l	0 U	0 U	0 U	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 U
Chrysene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Cis-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cis-1,3-Dichloropropene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Di-n-octylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Dibenz(a,h)anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Dibenzofuran	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Dibromochloromethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane (Freon 12)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Dimethylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Ethylbenzene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
OR-3

Field Sample ID		OR-03-0-0-06152000-W	OR-3-032004	OR-3-072004	OR-3	OR-3-111606	OR-3-082207	OR-3-112907	OR-3-061208	OR-3(11-20-08)	OR-3(7-15-09)	OR-3(11-11-09)
Location		OR-3	OR-3	OR-3	OR-3	OR-3	OR-3	OR-3	OR-3	OR-3	OR-3	OR-3
Sample Date		6/15/2000	3/1/2004	7/1/2004	6/9/2006	11/16/2006	8/22/2007	11/29/2007	6/12/2008	11/20/2008	07/15/2009	11/11/2009
Sample Purpose		Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
Parameter Name	Units											
Fluorene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Hexachlorobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Hexachlorobutadiene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Hexachlorocyclopentadiene	ug/l	NA	NA	NA	5 U	5 UJ	5 U	5 U	5 U	5 U	5 UJ	5 U
Hexachloroethane	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Indeno(1,2,3-cd)pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Iodomethane (Methyl iodide)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Isopropylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	ug/l	0.0352	0.0023	0.0052	0.0069 U	0.0069 U	0.0069 U	0.0069 U	0.0069 U	0.0069 U	0.0069 U	0.0069 U
Methyl-t-butyl ether	ug/l	NA	NA	NA	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride (Dichloromethane)	ug/l	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
n-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
N-Nitrosodiphenylamine (Diphenylamine)	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 UJ
n-Propylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Nitrobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
o-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloro-m-cresol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
p-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Cresol	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Pentachlorophenol	ug/l	NA	NA	NA	3 U	3 U	3 U	3 U	3 U	3 U	3 UJ	3 U
Phenanthrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Phenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	5 J	1 UJ	1 U
Pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
sec-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
t-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Toluene	ug/l	0 U	0 U	0 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
trans-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene (Trichloroethylene)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane (Freon 11)	ug/l	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Trihalomethanes, Total	ug/l	0 U	0 U	0 U	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride (Chloroethene)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U

Notes: NA - Not Analyzed
U - The analyte was analyzed, but not detected. The associated numerical value is at or below the method detection limit.
J - The analyte was positively identified, but the quantitation is an estimation.
(1) - Results reported as zero are historical values that did not have documented detection limits.

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
OS-2

Field Sample ID		OS-02-0-0-06152000-W	OS-2-032004	OS-2-072004	OS-2	OS-2-111506	OS-2-082107	OS-2-112907	OS-2-061208	OS-2(11-20-08)	OS-2(7-15-09)	OS-2(11-11-09)
Location		OS-2	OS-2	OS-2	OS-2	OS-2	OS-2	OS-2	OS-2	OS-2	OS-2	OS-2
Sample Date		6/15/2000	3/1/2004	7/1/2004	6/9/2006	11/15/2006	8/21/2007	11/29/2007	6/12/2008	11/20/2008	07/15/2009	11/11/2009
Sample Purpose		Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
Parameter Name	Units											
1,1,1,2-Tetrachloroethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1,2,2-Tetrachloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene (Dichloroethylene)	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
1,2,4-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene (o-Dichlorobenzene)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
1,2-Dichloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloropropane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
1,3-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,2 Oxybis(2-chloropropane)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,4,6-Trichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,4-Dichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,4-Dimethylphenol	ug/l	NA	NA	NA	3 U	3 U	3 U	3 U	3 U	3 U	3 UJ	3 U
2,4-Dinitrophenol	ug/l	NA	NA	NA	21 U	19 U	20 U	20 U	20 U	19 U	20 UJ	20 U
2,4-Dinitrotoluene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,6-Dinitrotoluene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Butanone (Methyl ethyl ketone)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	ug/l	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 UJ	2 U
2-Chloronaphthalene	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
2-Chlorophenol (o-Chlorophenol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Hexanone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-naphthlalene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Methylphenol (o-Cresol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Nitroaniline (o-Nitroaniline)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Nitrophenol (o-Nitrophenol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
3,3'-Dichlorobenzidine	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
3-Nitroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ug/l	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U
4-Bromophenylphenylether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4-Chloroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4-Chlorophenyl phenyl ether	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
4-Isopropyltoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
OS-2

Field Sample ID		OS-02-0-0-06152000-W	OS-2-032004	OS-2-072004	OS-2	OS-2-111506	OS-2-082107	OS-2-112907	OS-2-061208	OS-2(11-20-08)	OS-2(7-15-09)	OS-2(11-11-09)
Location		OS-2	OS-2	OS-2	OS-2	OS-2	OS-2	OS-2	OS-2	OS-2	OS-2	OS-2
Sample Date		6/15/2000	3/1/2004	7/1/2004	6/9/2006	11/15/2006	8/21/2007	11/29/2007	6/12/2008	11/20/2008	07/15/2009	11/11/2009
Sample Purpose		Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
Parameter Name	Units											
4-Methyl-2-pentanone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4-Nitrophenol	ug/l	NA	NA	NA	11 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Acenaphthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Acenaphthylene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Acetone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrolein	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzene	ug/l	0 U	0 U	0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzidine	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzo(a)Pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzo(b)Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzo(g,h,i)perylene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Benzo(k)Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Bis(2-Chloroethoxy)methane	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Bis(2-Chloroethyl) ether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Bis(2-chloroisopropyl) ether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Bis(2-Ethylhexyl)phthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Bromobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Butylbenzylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Carbazole	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Carbon Disulfide	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloromethane (Methyl chloride)	ug/l	0 U	0 U	0 U	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 U
Chrysene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Cis-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cis-1,3-Dichloropropene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Di-n-octylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Dibenz(a,h)anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Dibenzofuran	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Dibromochloromethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane (Freon 12)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Dimethylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Ethylbenzene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
OS-2

Field Sample ID		OS-02-0-0-06152000-W	OS-2-032004	OS-2-072004	OS-2	OS-2-111506	OS-2-082107	OS-2-112907	OS-2-061208	OS-2(11-20-08)	OS-2(7-15-09)	OS-2(11-11-09)
Location		OS-2	OS-2	OS-2	OS-2	OS-2	OS-2	OS-2	OS-2	OS-2	OS-2	OS-2
Sample Date		6/15/2000	3/1/2004	7/1/2004	6/9/2006	11/15/2006	8/21/2007	11/29/2007	6/12/2008	11/20/2008	07/15/2009	11/11/2009
Sample Purpose		Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
Parameter Name	Units											
Fluorene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Hexachlorobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Hexachlorobutadiene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Hexachlorocyclopentadiene	ug/l	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U
Hexachloroethane	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Indeno(1,2,3-cd)pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Iodomethane (Methyl iodide)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Isopropylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	ug/l	0.0249	0	0.0007	0.0069 U	0.0069 U	0.0069 U	0.0069 U	0.0069 U	0.0069 U	0.0069 U	0.0069 U
Methyl-t-butyl ether	ug/l	NA	NA	NA	0.5 U	0.5 U		0.5 U	59	0.5 U	0.5 U	0.5 U
Methylene chloride (Dichloromethane)	ug/l	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
n-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
N-Nitrosodiphenylamine (Diphenylamine)	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 UJ
n-Propylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Nitrobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
o-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloro-m-cresol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
p-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Cresol	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Pentachlorophenol	ug/l	NA	NA	NA	3 U	3 U	3 U	3 U	3 U	3 U	3 UJ	3 U
Phenanthrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Phenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
sec-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
t-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Toluene	ug/l	0 U	0 U	0 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
trans-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene (Trichloroethylene)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane (Freon 11)	ug/l	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Trihalomethanes, Total	ug/l	0 U	0 U	0 U	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride (Chloroethene)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U

Notes: NA - Not Analyzed
U - The analyte was analyzed, but not detected. The associated numerical value is at or below the method detection limit.
J - The analyte was positively identified, but the quantitation is an estimation.
(1) - Results reported as zero are historical values that did not have documented detection limits.

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
OS-3

Field Sample ID Location Sample Date Sample Purpose		OS-03-0-0-06152000-W OS-3 6/15/2000 Regular sample	OS-3-032004 OS-3 3/1/2004 Regular sample	OS-3-072004 OS-3 7/1/2004 Regular sample	OS-3 OS-3 6/9/2006 Regular sample	OS-3-111506 OS-3 11/15/2006 Regular sample	OS-3-082107 OS-3 8/21/2007 Regular sample	OS-3-112907 OS-3 11/29/2007 Regular sample	OS-3-061208 OS-3 6/12/2008 Regular sample	OS-3(11-20-08) OS-3 11/20/2008 Regular sample	OS-3(7-15-09) OS-3 07/15/2009 Regular sample	OS-3(11-11-09) OS-3 11/11/2009 Regular sample
Parameter Name	Units											
1,1,1,2-Tetrachloroethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1,2,2-Tetrachloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene (Dichloroethylene)	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
1,2,4-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene (o-Dichlorobenzene)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloropropane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,2 Oxybis(2-chloropropane)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
2,4,6-Trichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
2,4-Dichlorophenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
2,4-Dimethylphenol	ug/l	NA	NA	NA	3 U	3 U	3 U	3 U	3 U	3 U	3 UJ	3 U
2,4-Dinitrophenol	ug/l	NA	NA	NA	20 U	19 U	NA	19 U	19 U	20 U	19 UJ	20 U
2,4-Dinitrotoluene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
2,6-Dinitrotoluene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
2-Butanone (Methyl ethyl ketone)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	ug/l	0 U	0 U	0 U	2 U	2 U	NA	2 U	2 U	2 UJ	2 UJ	2 U
2-Chloronaphthalene	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
2-Chlorophenol (o-Chlorophenol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
2-Hexanone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-naphthlalene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
2-Methylphenol (o-Cresol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
2-Nitroaniline (o-Nitroaniline)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
2-Nitrophenol (o-Nitrophenol)	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
3,3'-Dichlorobenzidine	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
3-Nitroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ug/l	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U
4-Bromophenylphenylether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
4-Chloroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
4-Chlorophenyl phenyl ether	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
4-Isopropyltoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
OS-3

Field Sample ID Location Sample Date Sample Purpose		OS-03-0-0-06152000-W OS-3 6/15/2000 Regular sample	OS-3-032004 OS-3 3/1/2004 Regular sample	OS-3-072004 OS-3 7/1/2004 Regular sample	OS-3 OS-3 6/9/2006 Regular sample	OS-3-111506 OS-3 11/15/2006 Regular sample	OS-3-082107 OS-3 8/21/2007 Regular sample	OS-3-112907 OS-3 11/29/2007 Regular sample	OS-3-061208 OS-3 6/12/2008 Regular sample	OS-3(11-20-08) OS-3 11/20/2008 Regular sample	OS-3(7-15-09) OS-3 07/15/2009 Regular sample	OS-3(11-11-09) OS-3 11/11/2009 Regular sample
Parameter Name	Units											
4-Methyl-2-pentanone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
4-Nitrophenol	ug/l	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	9 UJ	10 U
Acenaphthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Acenaphthylene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Acetone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrolein	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Benzene	ug/l	0 U	0 U	0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzidine	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Benzo(a)Pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Benzo(b)Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Benzo(g,h,i)perylene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Benzo(k)Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Bis(2-Chloroethoxy)methane	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Bis(2-Chloroethyl) ether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Bis(2-chloroisopropyl) ether	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Bis(2-Ethylhexyl)phthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Bromobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Butylbenzylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Carbazole	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Carbon Disulfide	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloroethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloromethane (Methyl chloride)	ug/l	0 U	0 U	0 U	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 U
Chrysene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Cis-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cis-1,3-Dichloropropene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Di-n-octylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Dibenz(a,h)anthracene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Dibenzofuran	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Dibromochloromethane	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane (Freon 12)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Dimethylphthalate	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Ethylbenzene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Fluoranthene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
OS-3

Field Sample ID Location Sample Date Sample Purpose		OS-03-0-0-06152000-W OS-3 6/15/2000 Regular sample	OS-3-032004 OS-3 3/1/2004 Regular sample	OS-3-072004 OS-3 7/1/2004 Regular sample	OS-3 OS-3 6/9/2006 Regular sample	OS-3-111506 OS-3 11/15/2006 Regular sample	OS-3-082107 OS-3 8/21/2007 Regular sample	OS-3-112907 OS-3 11/29/2007 Regular sample	OS-3-061208 OS-3 6/12/2008 Regular sample	OS-3(11-20-08) OS-3 11/20/2008 Regular sample	OS-3(7-15-09) OS-3 07/15/2009 Regular sample	OS-3(11-11-09) OS-3 11/11/2009 Regular sample
Parameter Name	Units											
Fluorene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Hexachlorobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Hexachlorobutadiene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Hexachlorocyclopentadiene	ug/l	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U
Hexachloroethane	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Indeno(1,2,3-cd)pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Iodomethane (Methyl iodide)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Isopropylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	ug/l	0.0139	0	0.0007	0.0069 U	0.0069 U	0.0069 U	0.0069 U	0.0069 U	0.0069 U	0.0069 U	0.0069 U
Methyl-t-butyl ether	ug/l	NA	NA	NA	0.5 U	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride (Dichloromethane)	ug/l	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
n-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
N-Nitrosodiphenylamine (Diphenylamine)	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 UJ
n-Propylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Nitrobenzene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
o-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloro-m-cresol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
p-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Cresol	ug/l	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
Pentachlorophenol	ug/l	NA	NA	NA	3 U	3 U	3 U	3 U	3 U	3 U	3 UJ	3 U
Phenanthrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Phenol	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
Pyrene	ug/l	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	0.9 UJ	1 U
sec-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
t-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Toluene	ug/l	0 U	0 U	0 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
trans-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene (Trichloroethylene)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane (Freon 11)	ug/l	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Trihalomethanes, Total	ug/l	0 U	0 U	0 U	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride (Chloroethene)	ug/l	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	ug/l	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U

Notes: NA - Not Analyzed
U - The analyte was analyzed, but not detected. The associated numerical value is at or below the method detection limit.
J - The analyte was positively identified, but the quantitation is an estimation.
(1) - Results reported as zero are historical values that did not have documented detection limits.

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
TF-5

Field Sample ID Location Sample Date Sample Purpose		TF-05-0-0-04272000-W TF-5 4/27/2000 Regular sample	TF-05-0-0-06152000-W TF-5 6/15/2000 Regular sample	TF-05-0-0-04302001-W TF-5 4/30/2001 Regular sample	TF-5-032004 TF-5 3/1/2004 Regular sample	TF-5-072004 TF-5 7/1/2004 Regular sample	TF-5 TF-5 6/6/2006 Regular sample	TF-105 TF-5 11/15/2006 Regular sample	TF-5-111506 TF-5 11/15/2006 Regular sample
Parameter Name	Units								
1,1,1,2-Tetrachloroethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/l	NA	0 U	NA	0 U	0 U	0.8 U	0.8 U	0.8 U
1,1,2,2-Tetrachloroethane	ug/l	NA	0 U	NA	0 U	0 U	1 U	1 U	1 U
1,1,2-Trichloroethane	ug/l	NA	0 U	NA	0 U	0 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethane	ug/l	NA	0 U	NA	0 U	0 U	1 U	1 U	1 U
1,1-Dichloroethene (Dichloroethylene)	ug/l	NA	0 U	NA	0 U	0 U	0.8 U	0.8 U	0.8 U
1,1-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/l	0 U	NA	NA	NA	NA	1 U	1 U	1 U
1,2,4-Trimethylbenzene	ug/l	0 U	NA	1 U	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene (o-Dichlorobenzene)	ug/l	0 U	0 U	NA	0 U	0 U	1 U	1 U	1 U
1,2-Dichloroethane	ug/l	NA	0 U	NA	0 U	0 U	1 U	1 U	1 U
1,2-Dichloroethene	ug/l	NA	0 U	NA	0 U	0 U	0.8 U	0.8 U	0.8 U
1,2-Dichloropropane	ug/l	NA	0 U	NA	0 U	0 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	ug/l	0 U	NA	1 U	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/l	0 U	0 U	NA	0 U	0 U	1 U	1 U	1 U
1,3-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/l	0 U	0 U	NA	0 U	0 U	1 U	1 U	1 U
2,2 Oxybis(2-chloropropane)	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/l	NA	NA	NA	NA	NA	1 U	1 U	1 U
2,4,6-Trichlorophenol	ug/l	NA	NA	NA	NA	NA	1 U	1 U	1 U
2,4-Dichlorophenol	ug/l	NA	NA	NA	NA	NA	1 U	1 U	1 U
2,4-Dimethylphenol	ug/l	NA	NA	NA	NA	NA	3 U	3 U	3 U
2,4-Dinitrophenol	ug/l	NA	NA	NA	NA	NA	19 U	19 U	19 U
2,4-Dinitrotoluene	ug/l	0 U	NA	NA	NA	NA	1 U	1 U	1 U
2,6-Dinitrotoluene	ug/l	NA	NA	NA	NA	NA	1 U	1 U	1 U
2-Butanone (Methyl ethyl ketone)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	ug/l	NA	0 U	NA	0 U	0 U	2 U	2 U	2 U
2-Chloronaphthalene	ug/l	0 U	NA	NA	NA	NA	2 U	2 U	2 U
2-Chlorophenol (o-Chlorophenol)	ug/l	NA	NA	NA	NA	NA	1 U	1 U	1 U
2-Hexanone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-naphthlalene	ug/l	NA	NA	NA	NA	NA	1 U	1 U	1 U
2-Methylphenol (o-Cresol)	ug/l	NA	NA	NA	NA	NA	1 U	1 U	1 U
2-Nitroaniline (o-Nitroaniline)	ug/l	NA	NA	NA	NA	NA	1 U	1 U	1 U
2-Nitrophenol (o-Nitrophenol)	ug/l	NA	NA	NA	NA	NA	1 U	1 U	1 U
3,3'-Dichlorobenzidine	ug/l	0 U	NA	NA	NA	NA	2 U	2 U	2 U
3-Nitroaniline	ug/l	NA	NA	NA	NA	NA	1 U	1 U	1 U
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ug/l	NA	NA	NA	NA	NA	5 U	5 U	5 U
4-Bromophenylphenylether	ug/l	0 U	NA	NA	NA	NA	1 U	1 U	1 U
4-Chloroaniline	ug/l	NA	NA	NA	NA	NA	1 U	1 U	1 U
4-Chlorophenyl phenyl ether	ug/l	0 U	NA	NA	NA	NA	2 U	2 U	2 U
4-Isopropyltoluene	ug/l	0 U	NA	1 U	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/l	NA	NA	NA	NA	NA	1 U	1 U	1 U
4-Nitrophenol	ug/l	NA	NA	NA	NA	NA	10 U	10 U	10 U
Acenaphthene	ug/l	0 U	NA	10 U	NA	NA	1 U	1 U	1 U
Acenaphthylene	ug/l	0 U	NA	NA	NA	NA	1 U	1 U	1 U

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
TF-5

Field Sample ID		TF-05-0-0-04272000-W	TF-05-0-0-06152000-W	TF-05-0-0-04302001-W	TF-5-032004	TF-5-072004	TF-5	TF-105	TF-5-111506
Location		TF-5	TF-5	TF-5	TF-5	TF-5	TF-5	TF-5	TF-5
Sample Date		4/27/2000	6/15/2000	4/30/2001	3/1/2004	7/1/2004	6/6/2006	11/15/2006	11/15/2006
Sample Purpose		Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
Parameter Name	Units								
Acetone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Acrolein	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/l	0 U	NA	10 U	NA	NA	1 U	1 U	1 U
Benzene	ug/l	0 U	0 U	1 U	0 U	0 U	0.5 U	0.5 U	0.5 U
Benzidine	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/l	0 U	NA	10 U	NA	NA	1 U	1 U	1 U
Benzo(a)Pyrene	ug/l	0 U	NA	10 U	NA	NA	1 U	1 U	1 U
Benzo(b)Fluoranthene	ug/l	0 U	NA	10 U	NA	NA	1 U	1 U	1 U
Benzo(g,h,i)perylene	ug/l	0 U	NA	10 U	NA	NA	1 U	1 U	1 U
Benzo(k)Fluoranthene	ug/l	0 U	NA	10 U	NA	NA	1 U	1 U	1 U
Bis(2-Chloroethoxy)methane	ug/l	0 U	NA	NA	NA	NA	1 U	1 U	1 U
Bis(2-Chloroethyl) ether	ug/l	0 U	NA	NA	NA	NA	1 U	1 U	1 U
Bis(2-chloroisopropyl) ether	ug/l	NA	NA	NA	NA	NA	1 U	1 U	1 U
Bis(2-Ethylhexyl)phthalate	ug/l	0 U	NA	NA	NA	NA	2 U	2 U	2 U
Bromobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/l	NA	0 U	NA	0 U	0 U	1 U	1 U	1 U
Bromoform	ug/l	NA	0 U	NA	0 U	0 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	ug/l	NA	0 U	NA	0 U	0 U	1 U	1 U	1 U
Butylbenzylphthalate	ug/l	0 U	NA	NA	NA	NA	2 U	2 U	2 U
Carbazole	ug/l	NA	NA	NA	NA	NA	1 U	1 U	1 U
Carbon Disulfide	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/l	NA	0 U	NA	0 U	0 U	1 U	1 U	1 U
Chlorobenzene	ug/l	NA	0 U	NA	0 U	0 U	0.8 U	0.8 U	0.8 U
Chloroethane	ug/l	NA	0 U	NA	0 U	0 U	1 U	1 U	1 UJ
Chloroform	ug/l	NA	0 U	NA	0 U	0 U	0.8 U	0.8 U	0.8 U
Chloromethane (Methyl chloride)	ug/l	NA	0 U	NA	0 U	0 U	1 U	1 UJ	1 UJ
Chrysene	ug/l	0 U	NA	10 U	NA	NA	1 U	1 U	1 U
Cis-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Cis-1,3-Dichloropropene	ug/l	NA	0 U	NA	0 U	0 U	1 U	1 U	1 U
Di-n-butylphthalate	ug/l	0 U	NA	NA	NA	NA	2 U	2 U	2 U
Di-n-octylphthalate	ug/l	0 U	NA	NA	NA	NA	2 U	2 U	2 U
Dibenz(a,h)anthracene	ug/l	0 U	NA	10 U	NA	NA	1 U	1 U	1 U
Dibenzofuran	ug/l	NA	NA	NA	NA	NA	1 U	1 U	1 U
Dibromochloromethane	ug/l	NA	0 U	NA	0 U	0 U	1 U	1 U	1 U
Dichlorodifluoromethane (Freon 12)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	ug/l	0 U	NA	NA	NA	NA	2 U	2 U	2 U
Dimethylphthalate	ug/l	0 U	NA	NA	NA	NA	2 U	2 U	2 U
Ethylbenzene	ug/l	0 U	0 U	1 U	0 U	0 U	0.8 U	0.8 U	0.8 U
Fluoranthene	ug/l	0 U	NA	10 U	NA	NA	1 U	1 U	1 U
Fluorene	ug/l	0 U	NA	10 U	NA	NA	1 U	1 U	1 U
Hexachlorobenzene	ug/l	0 U	NA	NA	NA	NA	1 U	1 U	1 U
Hexachlorobutadiene	ug/l	0 U	NA	NA	NA	NA	1 U	1 U	1 U
Hexachlorocyclopentadiene	ug/l	0 U	NA	NA	NA	NA	5 U	5 U	5 U
Hexachloroethane	ug/l	0 U	NA	NA	NA	NA	1 U	1 U	1 U
Indeno(1,2,3-cd)pyrene	ug/l	0 U	NA	10 U	NA	NA	1 U	1 U	1 U
Iodomethane (Methyl iodide)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	ug/l	0 U	NA	NA	NA	NA	1 U	1 U	1 U
Isopropylbenzene	ug/l	0 U	NA	1 U	NA	NA	NA	NA	NA
Lead	ug/l	NA	0.0631	NA	0.003	0.004	0.0069 U	0.007 J	0.0083 J
Methyl-t-butyl ether	ug/l	0 U	NA	1 U	NA	NA	0.5 U	0.5 U	0.5 U

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
TF-5

Field Sample ID		TF-05-0-0-04272000-W	TF-05-0-0-06152000-W	TF-05-0-0-04302001-W	TF-5-032004	TF-5-072004	TF-5	TF-105	TF-5-111506
Location		TF-5	TF-5	TF-5	TF-5	TF-5	TF-5	TF-5	TF-5
Sample Date		4/27/2000	6/15/2000	4/30/2001	3/1/2004	7/1/2004	6/6/2006	11/15/2006	11/15/2006
Sample Purpose		Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
Parameter Name	Units								
Methylene chloride (Dichloromethane)	ug/l	NA	0 U	NA	0 U	0 U	2 U	2 U	2 U
n-Butylbenzene	ug/l	0 U	NA	1 U	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/l	0 U	NA	NA	NA	NA	1 U	1 U	1 U
N-Nitrosodiphenylamine (Diphenylamine)	ug/l	0 U	NA	NA	NA	NA	2 U	2 U	2 U
n-Propylbenzene	ug/l	0 U	NA	1 U	NA	NA	NA	NA	NA
Naphthalene	ug/l	0 U	NA	10 U	NA	NA	1 U	1 U	1 U
Nitrobenzene	ug/l	0 U	NA	NA	NA	NA	1 U	1 U	1 U
o-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloro-m-cresol	ug/l	NA	NA	NA	NA	NA	1 U	1 U	1 U
p-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
p-Cresol	ug/l	NA	NA	NA	NA	NA	2 U	2 U	2 U
Pentachlorophenol	ug/l	NA	NA	NA	NA	NA	3 U	3 U	3 U
Phenanthrene	ug/l	0 U	NA	10 U	NA	NA	1 U	1 U	1 U
Phenol	ug/l	NA	NA	NA	NA	NA	1 U	1 U	1 U
Pyrene	ug/l	0 U	NA	10 U	NA	NA	1 U	1 U	1 U
sec-Butylbenzene	ug/l	0 U	NA	1 U	NA	NA	NA	NA	NA
Styrene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
t-Butylbenzene	ug/l	0 U	NA	1 U	NA	NA	NA	NA	NA
Tetrachloroethene	ug/l	NA	0 U	NA	0 U	0 U	0.8 U	0.8 U	0.8 U
Toluene	ug/l	0 U	0 U	1.2	0 U	0 U	0.7 U	0.7 U	0.7 U
trans-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/l	NA	0 U	NA	0 U	0 U	1 U	1 U	1 U
Trichloroethene (Trichloroethylene)	ug/l	NA	0 U	NA	0 U	0 U	1 U	1 U	1 U
Trichlorofluoromethane (Freon 11)	ug/l	NA	0 U	NA	0 U	0 U	2 U	2 U	2 U
Trihalomethanes, Total	ug/l	NA	0 U	NA	0 U	0 U	NA	NA	NA
Vinyl chloride (Chloroethene)	ug/l	NA	0 U	NA	0 U	0 U	1 U	1 U	1 U
Xylenes, Total	ug/l	0 U	0 U	1.1	0 U	0 U	0.8 U	0.8 U	0.8 U

Notes: NA - Not Analyzed
U - The analyte was analyzed, but not detected. The associated numerical value is at or below the method detection limit.
J - The analyte was positively identified, but the quantitation is an estimation.
(1) - Results reported as zero are historical values that did not have documented detection limits.

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
TF-5

Field Sample ID		TF-5-082107	TF-5-112807	TF-5-061008	TF-5(11-18-08)	TF-5(7-14-09)	TF-5(7-15-09)	TF-5(11-10-09)
Location		TF-5	TF-5	TF-5	TF-5	TF-5	TF-5	TF-5
Sample Date		8/21/2007	11/28/2007	6/10/2008	11/18/2008	07/14/2009	07/15/2009	11/10/2009
Sample Purpose		Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
Parameter Name	Units							
1,1,1,2-Tetrachloroethane	ug/l	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	0.8 U
1,1,2,2-Tetrachloroethane	ug/l	1 U	1 U	1 U	1 U	1 U	NA	1 U
1,1,2-Trichloroethane	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	0.8 U
1,1-Dichloroethane	ug/l	1 U	1 U	1 U	1 U	1 U	NA	1 U
1,1-Dichloroethene (Dichloroethylene)	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	0.8 U
1,1-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
1,2,4-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/l	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene (o-Dichlorobenzene)	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
1,2-Dichloroethane	ug/l	1 U	1 U	1 U	1 U	1 U	NA	1 U
1,2-Dichloroethene	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	0.8 U
1,2-Dichloropropane	ug/l	1 U	1 U	1 U	1 U	1 U	NA	1 U
1,3,5-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
1,3-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
2,2 Oxybis(2-chloropropane)	ug/l	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
2,4,6-Trichlorophenol	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
2,4-Dichlorophenol	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
2,4-Dimethylphenol	ug/l	3 U	3 U	3 U	3 U	3 UJ	NA	3 U
2,4-Dinitrophenol	ug/l	20 U	21 U	20 U	20 U	20 UJ	NA	19 U
2,4-Dinitrotoluene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
2,6-Dinitrotoluene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
2-Butanone (Methyl ethyl ketone)	ug/l	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	ug/l	2 U	2 U	2 U	2 UJ	2 UJ	NA	2 U
2-Chloronaphthalene	ug/l	2 U	2 U	2 U	2 U	2 UJ	NA	2 U
2-Chlorophenol (o-Chlorophenol)	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
2-Hexanone	ug/l	NA	NA	NA	NA	NA	NA	NA
2-Methyl-naphthlalene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
2-Methylphenol (o-Cresol)	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
2-Nitroaniline (o-Nitroaniline)	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
2-Nitrophenol (o-Nitrophenol)	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
3,3'-Dichlorobenzidine	ug/l	2 U	2 U	2 U	2 U	2 UJ	NA	2 U
3-Nitroaniline	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ug/l	5 U	5 U	5 U	5 U	5 UJ	NA	5 U
4-Bromophenylphenylether	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
4-Chloroaniline	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
4-Chlorophenyl phenyl ether	ug/l	2 U	2 U	2 U	2 U	2 UJ	NA	2 U
4-Isopropyltoluene	ug/l	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	ug/l	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
4-Nitrophenol	ug/l	10 U	11 U	10 U	10 U	10 UJ	NA	10 U
Acenaphthene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Acenaphthylene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
TF-5

Field Sample ID		TF-5-082107	TF-5-112807	TF-5-061008	TF-5(11-18-08)	TF-5(7-14-09)	TF-5(7-15-09)	TF-5(11-10-09)
Location		TF-5	TF-5	TF-5	TF-5	TF-5	TF-5	TF-5
Sample Date		8/21/2007	11/28/2007	6/10/2008	11/18/2008	07/14/2009	07/15/2009	11/10/2009
Sample Purpose		Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
Parameter Name	Units							
Acetone	ug/l	NA	NA	NA	NA	NA	NA	NA
Acrolein	ug/l	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	ug/l	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Benzene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
Benzidine	ug/l	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Benzo(a)Pyrene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Benzo(b)Fluoranthene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Benzo(g,h,i)perylene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Benzo(k)Fluoranthene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Bis(2-Chloroethoxy)methane	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Bis(2-Chloroethyl) ether	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Bis(2-chloroisopropyl) ether	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Bis(2-Ethylhexyl)phthalate	ug/l	2 U	2 U	2 U	2 U	2 UJ	NA	2 U
Bromobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/l	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/l	1 U	1 U	1 U	1 U	1 U	NA	1 U
Bromoform	ug/l	1 U	1 U	1 U	1 U	1 U	NA	1 U
Bromomethane (Methyl bromide)	ug/l	1 U	1 U	1 U	1 U	1 U	NA	1 U
Butylbenzylphthalate	ug/l	2 U	2 U	2 U	2 U	2 UJ	NA	2 U
Carbazole	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Carbon Disulfide	ug/l	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/l	1 U	1 U	1 U	1 U	1 U	NA	1 U
Chlorobenzene	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	0.8 U
Chloroethane	ug/l	1 U	1 U	1 U	1 U	1 U	NA	1 U
Chloroform	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	0.8 U
Chloromethane (Methyl chloride)	ug/l	1 U	1 UJ	1 U	1 U	1 U	NA	1 U
Chrysene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Cis-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA
Cis-1,3-Dichloropropene	ug/l	1 U	1 U	1 U	1 U	1 U	NA	1 U
Di-n-butylphthalate	ug/l	2 U	2 U	2 U	2 U	2 UJ	NA	2 U
Di-n-octylphthalate	ug/l	2 U	2 U	2 U	2 U	2 UJ	NA	2 U
Dibenz(a,h)anthracene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Dibenzofuran	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Dibromochloromethane	ug/l	1 U	1 U	1 U	1 U	1 U	NA	1 U
Dichlorodifluoromethane (Freon 12)	ug/l	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	ug/l	2 U	2 U	2 U	2 U	2 UJ	NA	2 U
Dimethylphthalate	ug/l	2 U	2 U	2 U	2 U	2 UJ	NA	2 U
Ethylbenzene	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	0.8 U
Fluoranthene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Fluorene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Hexachlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Hexachlorobutadiene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Hexachlorocyclopentadiene	ug/l	5 U	5 U	5 U	5 U	5 UJ	NA	5 U
Hexachloroethane	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Indeno(1,2,3-cd)pyrene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Iodomethane (Methyl iodide)	ug/l	NA	NA	NA	NA	NA	NA	NA
Isophorone	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Isopropylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA
Lead	ug/l	0.0069 U	0.0076 J	0.0069 U	0.0192	NA	0.0069 U	0.0069 U
Methyl-t-butyl ether	ug/l		0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
TF-5

Field Sample ID		TF-5-082107	TF-5-112807	TF-5-061008	TF-5(11-18-08)	TF-5(7-14-09)	TF-5(7-15-09)	TF-5(11-10-09)
Location		TF-5	TF-5	TF-5	TF-5	TF-5	TF-5	TF-5
Sample Date		8/21/2007	11/28/2007	6/10/2008	11/18/2008	07/14/2009	07/15/2009	11/10/2009
Sample Purpose		Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
Parameter Name	Units							
Methylene chloride (Dichloromethane)	ug/l	2 U	2 U	2 U	2 U	2 U	NA	2 U
n-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
N-Nitrosodiphenylamine (Diphenylamine)	ug/l	2 U	2 U	2 U	2 U	2 UJ	NA	2 UJ
n-Propylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Nitrobenzene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
o-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA
p-Chloro-m-cresol	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
p-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA
p-Cresol	ug/l	2 U	2 U	2 U	2 U	2 UJ	NA	2 U
Pentachlorophenol	ug/l	3 U	3 U	3 U	3 U	3 UJ	NA	3 U
Phenanthrene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Phenol	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
Pyrene	ug/l	1 U	1 U	1 U	1 U	1 UJ	NA	1 U
sec-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA
Styrene	ug/l	NA	NA	NA	NA	NA	NA	NA
t-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	0.8 U
Toluene	ug/l	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	NA	0.7 U
trans-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/l	1 U	1 U	1 U	1 U	1 U	NA	1 U
Trichloroethene (Trichloroethylene)	ug/l	1 U	1 U	1 U	1 U	1 U	NA	1 U
Trichlorofluoromethane (Freon 11)	ug/l	2 U	2 U	2 U	2 U	2 U	NA	2 U
Trihalomethanes, Total	ug/l	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride (Chloroethene)	ug/l	1 U	1 U	1 U	1 U	1 U	NA	1 U
Xylenes, Total	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	0.8 U

Notes: NA - Not Analyzed

U - The analyte was analyzed, but not detected. The associated numerical value is at or below the method detection limit

J - The analyte was positively identified, but the quantitation is an estimation.
(1) - Results reported as zero are historical values that did not have documented detection limits.

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
TF-23

	Field Sample ID	TF-23-0-0-04272000-W	TF-23-0-0-06152000-W	TF-23-032004	TF-23-072004	TF-23	TF-23-111506	TF-123-082107	TF-23-082107	TF-123-112807	TF-23-112807
	Location	TF-23	TF-23	TF-23	TF-23	TF-23	TF-23	TF-23	TF-23	TF-23	TF-23
	Sample Date	4/27/2000	6/15/2000	3/1/2004	7/1/2004	6/6/2006	11/15/2006	8/21/2007	8/21/2007	11/28/2007	11/28/2007
	Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Field Duplicate	Regular sample	Field Duplicate	Regular sample
Parameter Name	Units										
1,1,1,2-Tetrachloroethane	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/l	0 U	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1,2,2-Tetrachloroethane	ug/l	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	ug/l	0 U	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloroethane	ug/l	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene (Dichloroethylene)	ug/l	0 U	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,1-Dichloropropane	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene (o-Dichlorobenzene)	ug/l	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	ug/l	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene	ug/l	NA	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
1,2-Dichloropropane	ug/l	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/l	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/l	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U
2,2 Oxybis(2-chloropropane)	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/l	NA	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
2,4,6-Trichlorophenol	ug/l	NA	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
2,4-Dichlorophenol	ug/l	NA	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
2,4-Dimethylphenol	ug/l	NA	NA	NA	NA	3 U	3 U	3 U	3 U	3 U	3 U
2,4-Dinitrophenol	ug/l	NA	NA	NA	NA	20 U	20 U	20 U	20 U	19 U	19 U
2,4-Dinitrotoluene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
2,6-Dinitrotoluene	ug/l	NA	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (Methyl ethyl ketone)	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	ug/l	NA	0 U	0 U	0 U	2 U		2 U	2 U	2 U	2 U
2-Chloronaphthalene	ug/l	0 U	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U
2-Chlorophenol (o-Chlorophenol)	ug/l	NA	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-naphthlalene	ug/l	NA	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
2-Methylphenol (o-Cresol)	ug/l	NA	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
2-Nitroaniline (o-Nitroaniline)	ug/l	NA	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
2-Nitrophenol (o-Nitrophenol)	ug/l	NA	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
3,3'-Dichlorobenzidine	ug/l	0 U	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U
3-Nitroaniline	ug/l	NA	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ug/l	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U
4-Bromophenylphenylether	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
4-Chloroaniline	ug/l	NA	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
4-Chlorophenyl phenyl ether	ug/l	0 U	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U
4-Isopropyltoluene	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/l	NA	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
4-Nitrophenol	ug/l	NA	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Acenaphthylene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
TF-23

	Field Sample ID	TF-23-0-0-04272000-W	TF-23-0-0-06152000-W	TF-23-032004	TF-23-072004	TF-23	TF-23-111506	TF-123-082107	TF-23-082107	TF-123-112807	TF-23-112807
	Location	TF-23	TF-23	TF-23	TF-23	TF-23	TF-23	TF-23	TF-23	TF-23	TF-23
	Sample Date	4/27/2000	6/15/2000	3/1/2004	7/1/2004	6/6/2006	11/15/2006	8/21/2007	8/21/2007	11/28/2007	11/28/2007
	Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Field Duplicate	Regular sample	Field Duplicate	Regular sample
Parameter Name	Units										
Acetone	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrolein	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	ug/l	0 U	0 U	0 U	0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzidine	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(a)Pyrene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)Fluoranthene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(k)Fluoranthene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Bis(2-Chloroethoxy)methane	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Bis(2-Chloroethyl) ether	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Bis(2-chloroisopropyl) ether	ug/l	NA	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Bis(2-Ethylhexyl)phthalate	ug/l	0 U	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U
Bromobenzene	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/l	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	ug/l	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	ug/l	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U
Butylbenzylphthalate	ug/l	0 U	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U
Carbazole	ug/l	NA	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/l	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	ug/l	0 U	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloroethane	ug/l	0 U	0 U	0 U	0 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Chloroform	ug/l	0 U	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloromethane (Methyl chloride)	ug/l	0 U	0 U	0 U	0 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Chrysene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethene	ug/l	0 U	NA	NA	NA	NA	NA	0.8 U	NA	NA	NA
Cis-1,3-Dichloropropene	ug/l	0 U	0 U	0 U	0 U	1 U	1 U	NA	1 U	1 U	1 U
Di-n-butylphthalate	ug/l	2.8	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U
Di-n-octylphthalate	ug/l	0 U	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Dibenzofuran	ug/l	NA	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	ug/l	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane (Freon 12)	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	ug/l	0 U	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U
Dimethylphthalate	ug/l	0 U	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U
Ethylbenzene	ug/l	0 U	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Fluoranthene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Fluorene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorocyclopentadiene	ug/l	0 U	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U
Hexachloroethane	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Indeno(1,2,3-cd)pyrene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Iodomethane (Methyl iodide)	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	ug/l	NA	0.131	0.0375	0.005	0.0069 U	0.0069 U	0.0177	0.0147 J	0.025	0.0211
Methyl-t-butyl ether	ug/l	0 U	NA	NA	NA	0.5 U	0.5 U	NA		0.5 U	0.5 U

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
TF-23

Field Sample ID		TF-23-0-0-04272000-W	TF-23-0-0-06152000-W	TF-23-032004	TF-23-072004	TF-23	TF-23-111506	TF-123-082107	TF-23-082107	TF-123-112807	TF-23-112807
Location		TF-23	TF-23	TF-23	TF-23	TF-23	TF-23	TF-23	TF-23	TF-23	TF-23
Sample Date		4/27/2000	6/15/2000	3/1/2004	7/1/2004	6/6/2006	11/15/2006	8/21/2007	8/21/2007	11/28/2007	11/28/2007
Sample Purpose		Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Field Duplicate	Regular sample	Field Duplicate	Regular sample
Parameter Name	Units										
Methylene chloride (Dichloromethane)	ug/l	0 U	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U	2 U
n-Butylbenzene	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine (Diphenylamine)	ug/l	0 U	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U
n-Propylbenzene	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Nitrobenzene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
o-chlorotoluene	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloro-m-cresol	ug/l	NA	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
p-chlorotoluene	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Cresol	ug/l	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U
Pentachlorophenol	ug/l		NA	NA	NA	3 U	3 U	3 U	3 U	3 U	3 U
Phenanthrene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Phenol	ug/l	NA	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
Pyrene	ug/l	0 U	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
t-Butylbenzene	ug/l	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/l	0 U	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Toluene	ug/l	0 U	0 U	0 U	0 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
trans-1,2-Dichloroethene	ug/l	0 U	NA	NA	NA	NA	NA	0.8 U	NA	NA	NA
trans-1,3-Dichloropropene	ug/l	0 U	0 U	0 U	0 U	1 U	1 U	NA	1 U	1 U	1 U
Trichloroethene (Trichloroethylene)	ug/l	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane (Freon 11)	ug/l	0 U	0 U	0 U	0 U	2 U	2 U	2 U	2 U	2 U	2 U
Trihalomethanes, Total	ug/l	NA	0 U	0 U	0 U	NA	NA	NA	NA	NA	NA
Vinyl chloride (Chloroethene)	ug/l	0 U	0 U	0 U	0 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	ug/l	0 U	0 U	0 U	0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U

Notes: NA - Not Analyzed
U - The analyte was analyzed, but not detected. The associated numerical value is at or below the method detection limit.
J - The analyte was positively identified, but the quantitation is an estimation.
(1) - Results reported as zero are historical values that did not have documented detection limits.

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
TF-23

Field Sample ID Location Sample Date Sample Purpose		TF-123-061008 TF-23 6/10/2008 Field Duplicate	TF-23-061008 TF-23 6/10/2008 Regular sample	TF-23(11-18-08) TF-23 11/18/2008 Regular sample	TF-123(7-14-09) TF-23 07/14/2009 Field Duplicate	TF-23(7-14-09) TF-23 07/14/2009 Regular sample	TF-123(7-15-09) TF-23 07/15/2009 Field Duplicate	TF-23(7-15-09) TF-23 07/15/2009 Regular sample	TF-23(11-10-09) TF-23 11/10/2009 Regular sample
Parameter Name	Units								
1,1,1,2-Tetrachloroethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	NA	0.8 U
1,1,2,2-Tetrachloroethane	ug/l	1 U	1 U	1 U	1 U	1 U	NA	NA	1 U
1,1,2-Trichloroethane	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	NA	0.8 U
1,1-Dichloroethane	ug/l	1 U	1 U	1 U	1 U	1 U	NA	NA	1 U
1,1-Dichloroethene (Dichloroethylene)	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	NA	0.8 U
1,1-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
1,2,4-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene (o-Dichlorobenzene)	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
1,2-Dichloroethane	ug/l	1 U	1 U	1 U	1 U	1 U	NA	NA	1 U
1,2-Dichloroethene	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	NA	0.8 U
1,2-Dichloropropane	ug/l	1 U	1 U	1 U	1 U	1 U	NA	NA	1 U
1,3,5-Trimethylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
1,3-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
2,2 Oxybis(2-chloropropane)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
2,4,6-Trichlorophenol	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
2,4-Dichlorophenol	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
2,4-Dimethylphenol	ug/l	3 U	3 U	3 U	3 UJ	3 UJ	NA	NA	3 U
2,4-Dinitrophenol	ug/l	19 U	19 U	20 U	20 UJ	20 UJ	NA	NA	20 U
2,4-Dinitrotoluene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
2,6-Dinitrotoluene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
2-Butanone (Methyl ethyl ketone)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	ug/l	2 U	2 U	2 UJ	2 UJ	2 UJ	NA	NA	2 U
2-Chloronaphthalene	ug/l	2 U	2 U	2 U	2 UJ	2 UJ	NA	NA	2 U
2-Chlorophenol (o-Chlorophenol)	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
2-Hexanone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-naphthlalene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
2-Methylphenol (o-Cresol)	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
2-Nitroaniline (o-Nitroaniline)	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
2-Nitrophenol (o-Nitrophenol)	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
3,3'-Dichlorobenzidine	ug/l	2 U	2 U	2 U	2 UJ	2 UJ	NA	NA	2 U
3-Nitroaniline	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ug/l	5 U	5 U	5 U	5 UJ	5 UJ	NA	NA	5 U
4-Bromophenylphenylether	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
4-Chloroaniline	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
4-Chlorophenyl phenyl ether	ug/l	2 U	2 U	2 U	2 UJ	2 UJ	NA	NA	2 U
4-Isopropyltoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
4-Nitrophenol	ug/l	10 U	10 U	10 U	10 UJ	10 UJ	NA	NA	10 U
Acenaphthene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Acenaphthylene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
TF-23

Field Sample ID Location Sample Date Sample Purpose		TF-123-061008 TF-23 6/10/2008 Field Duplicate	TF-23-061008 TF-23 6/10/2008 Regular sample	TF-23(11-18-08) TF-23 11/18/2008 Regular sample	TF-123(7-14-09) TF-23 07/14/2009 Field Duplicate	TF-23(7-14-09) TF-23 07/14/2009 Regular sample	TF-123(7-15-09) TF-23 07/15/2009 Field Duplicate	TF-23(7-15-09) TF-23 07/15/2009 Regular sample	TF-23(11-10-09) TF-23 11/10/2009 Regular sample
Parameter Name	Units								
Acetone	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Acrolein	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Benzene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
Benzidine	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Benzo(a)Pyrene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Benzo(b)Fluoranthene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Benzo(g,h,i)perylene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Benzo(k)Fluoranthene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Bis(2-Chloroethoxy)methane	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Bis(2-Chloroethyl) ether	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Bis(2-chloroisopropyl) ether	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Bis(2-Ethylhexyl)phthalate	ug/l	2 U	2 U	2 U	2 UJ	2 UJ	NA	NA	2 U
Bromobenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/l	1 U	1 U	1 U	1 U	1 U	NA	NA	1 U
Bromoform	ug/l	1 U	1 U	1 U	1 U	1 U	NA	NA	1 U
Bromomethane (Methyl bromide)	ug/l	1 U	1 U	1 U	1 U	1 U	NA	NA	1 U
Butylbenzylphthalate	ug/l	2 U	2 U	2 U	2 UJ	2 UJ	NA	NA	2 U
Carbazole	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Carbon Disulfide	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/l	1 U	1 U	1 U	1 U	1 U	NA	NA	1 U
Chlorobenzene	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	NA	0.8 U
Chloroethane	ug/l	1 U	1 U	1 U	1 U	1 U	NA	NA	1 U
Chloroform	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	NA	0.8 U
Chloromethane (Methyl chloride)	ug/l	1 U	1 U	1 U	1 U	1 U	NA	NA	1 U
Chrysene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Cis-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Cis-1,3-Dichloropropene	ug/l	1 U	1 U	1 U	1 U	1 U	NA	NA	1 U
Di-n-butylphthalate	ug/l	2 U	2 U	2 U	2 UJ	2 UJ	NA	NA	2 U
Di-n-octylphthalate	ug/l	2 U	2 U	2 U	2 UJ	2 UJ	NA	NA	2 U
Dibenz(a,h)anthracene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Dibenzofuran	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Dibromochloromethane	ug/l	1 U	1 U	1 U	1 U	1 U	NA	NA	1 U
Dichlorodifluoromethane (Freon 12)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	ug/l	2 U	2 U	2 U	2 UJ	2 UJ	NA	NA	2 U
Dimethylphthalate	ug/l	2 U	2 U	2 U	2 UJ	2 UJ	NA	NA	2 U
Ethylbenzene	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	NA	0.8 U
Fluoranthene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Fluorene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Hexachlorobenzene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Hexachlorobutadiene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Hexachlorocyclopentadiene	ug/l	5 U	5 U	5 U	5 UJ	5 UJ	NA	NA	5 U
Hexachloroethane	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Indeno(1,2,3-cd)pyrene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Iodomethane (Methyl iodide)	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Isopropylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Lead	ug/l	0.0128 J	0.0131 J	0.0314	NA	NA	0.0069 U	0.0069 U	0.0069 U
Methyl-t-butyl ether	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U

Historical Groundwater Analytical Table
Recreation Area and Tank Farm Monitoring Wells
Former Texaco Research Center
Beacon, New York
TF-23

Field Sample ID		TF-123-061008	TF-23-061008	TF-23(11-18-08)	TF-123(7-14-09)	TF-23(7-14-09)	TF-123(7-15-09)	TF-23(7-15-09)	TF-23(11-10-09)
Location		TF-23	TF-23	TF-23	TF-23	TF-23	TF-23	TF-23	TF-23
Sample Date		6/10/2008	6/10/2008	11/18/2008	07/14/2009	07/14/2009	07/15/2009	07/15/2009	11/10/2009
Sample Purpose		Field Duplicate	Regular sample	Regular sample	Field Duplicate	Regular sample	Field Duplicate	Regular sample	Regular sample
Parameter Name	Units								
Methylene chloride (Dichloromethane)	ug/l	2 U	2 U	2 U	2 U	2 U	NA	NA	2 U
n-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
N-Nitrosodiphenylamine (Diphenylamine)	ug/l	2 U	2 U	2 U	2 UJ	2 UJ	NA	NA	2 UJ
n-Propylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Nitrobenzene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
o-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloro-m-cresol	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
p-chlorotoluene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
p-Cresol	ug/l	2 U	2 U	2 U	2 UJ	2 UJ	NA	NA	2 U
Pentachlorophenol	ug/l	3 U	3 U	3 U	3 UJ	3 UJ	NA	NA	3 U
Phenanthrene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Phenol	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
Pyrene	ug/l	1 U	1 U	1 U	1 UJ	1 UJ	NA	NA	1 U
sec-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
t-Butylbenzene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	NA	0.8 U
Toluene	ug/l	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	NA	NA	0.7 U
trans-1,2-Dichloroethene	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/l	1 U	1 U	1 U	1 U	1 U	NA	NA	1 U
Trichloroethene (Trichloroethylene)	ug/l	1 U	1 U	1 U	1 U	1 U	NA	NA	1 U
Trichlorofluoromethane (Freon 11)	ug/l	2 U	2 U	2 U	2 U	2 U	NA	NA	2 U
Trihalomethanes, Total	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride (Chloroethene)	ug/l	1 U	1 U	1 U	1 U	1 U	NA	NA	1 U
Xylenes, Total	ug/l	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	NA	0.8 U

Notes:

Notes: NA - Not Analyzed
U - The analyte was analyzed, but not detected. The associated numerical value is at or below the method detection limit.
J - The analyte was positively identified, but the quantitation is an estimation.
(1) - Results reported as zero are historical values that did not have documented detection limits.