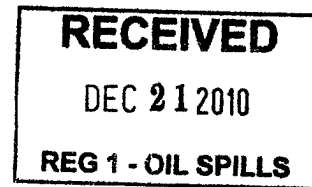


December 15, 2010

Mr. Nick Acampora  
Environmental Program Specialist I  
NYDEC – Region 1  
Circle Rd. 50, Stony Brook University  
Stony Brook, NY 11790-2356



Subject: TBG Cogen Partners Semiannual Testing of Monitoring Wells

Reference: (a) TBG Cogen Partners Major Petroleum Facility License #01-3280

Dear Mr. Acampora:

The purpose of this letter is to transmit the attached groundwater monitoring well analysis report. Reference (a), Special Condition 2.b, requires submission of this data to your office on a semiannual basis.

The results of the analysis indicate that there is no evidence of leakage from our fuel tank into the surrounding groundwater.

Please do not hesitate to contact me should you have any questions on this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "Igor Borisov". The signature is fluid and cursive.

Igor Borisov  
Plant Engineer  
TBG Cogen Partners

Attachment: As Stated  
Cc: File 7314.6  
TBG Letterbook



# ANALYTICAL CHEMISTS

59-01 Central Ave.  
Farmingdale, NY 11735

Tel: (631) 414-7685  
Fax: (631) 414-7688

## Analytical Results

December 02, 2010

Calpine Corp.  
939 South Broadway  
Hicksville, NY 11801-5032

Att: Mr. Igor Borisov

Sample Description: Wastewater - Monitoring Wells, Monitoring Well #1 - 11/09/10 16:25

Sample Collected By: Edward Domaradzki  
Purchase Order: Number: Verbal  
Date Samples Received: 11/09/10 17:00  
Lab ID Number: 1011119-01

Sample Qualifier(s):

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
Bromobenzene	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B
Bromochloromethane	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
Bromodichloromethane	<2.50		ug/L	2.50	11/18/10 16:55	VNS	SW 8260B
Bromoform	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
Bromomethane	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B
sec-Butylbenzene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
n-Butylbenzene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
tert-Butylbenzene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
Carbon Tetrachloride	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B
Chlorobenzene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
Chloroethane	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B
Chloroform	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
Chloromethane	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B
2-Chlorotoluene	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B
4-Chlorotoluene	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B
1,2-Dibromo-3-chloropropane	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B
Dibromochloromethane	<2.50		ug/L	2.50	11/18/10 16:55	VNS	SW 8260B
1,2-Dibromoethane	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B
Dibromomethane	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
1,2-Dichlorobenzene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
1,3-Dichlorobenzene	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B
1,4-Dichlorobenzene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
Dichlorodifluoromethane	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
1,1-Dichloroethane	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B
1,2-Dichloroethane	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
1,1-Dichloroethene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B



# ANALYTICAL CHEMISTS

59-01 Central Ave.  
Farmingdale, NY 11735  
Tel: (631) 414-7685  
Fax: (631) 414-7688

Lab ID Number: 1011119-01

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
cis-1,2-Dichloroethene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
trans-1,2-Dichloroethene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
1,3-Dichloropropane	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
2,2-Dichloropropane	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B
1,2-Dichloropropane	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B
trans-1,3-Dichloropropene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
1,1-Dichloropropene	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B
cis-1,3-Dichloropropene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
Ethylbenzene	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B
Hexachlorobutadiene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
Isopropylbenzene	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B
4-Isopropyltoluene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
Methyl-tert-Butyl Ether	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
Methylene Chloride	<5.00		ug/L	5.00	11/18/10 16:55	VNS	SW 8260B
n-Propylbenzene	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B
Styrene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B
1,1,1,2-Tetrachloroethane	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
Tetrachloroethene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
Toluene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
1,2,4-Trichlorobenzene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
1,2,3-Trichlorobenzene	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B
1,1,1-Trichloroethane	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
1,1,2-Trichloroethane	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B
* Trichloroethene	<b>0.570</b>		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
Trichlorofluoromethane	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
1,2,3-Trichloropropane	<2.50		ug/L	2.50	11/18/10 16:55	VNS	SW 8260B
1,2,4-Trimethylbenzene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
1,3,5-Trimethylbenzene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
Vinyl chloride	<2.50		ug/L	2.50	11/18/10 16:55	VNS	SW 8260B
o-Xylene	<0.500		ug/L	0.500	11/18/10 16:55	VNS	SW 8260B
m,p-Xylene	<1.00		ug/L	1.00	11/18/10 16:55	VNS	SW 8260B



Lab ID Number: 1011119-01

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
<b>Extracted 11/12/10 by Separatory Funnel Extraction for SW 8270C.</b>							
Acenaphthene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Acenaphthylene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Anthracene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Benzo (a) anthracene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Benzo (a) pyrene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Benzo (b) fluoranthene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Benzo (g,h,i) perylene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Benzo (k) fluoranthene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
4-Bromophenyl phenyl ether	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Butyl benzyl phthalate	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
4-Chloro-3-methylphenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
4-Chloroaniline	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Bis(2-chloroethoxy)methane	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
Bis(2-chloroethyl)ether	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
2-Chloronaphthalene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2-Chlorophenol	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
4-Chlorophenyl phenyl ether	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Chrysene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Dibenz (a,h) anthracene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Dibenzofuran	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Di-n-butyl phthalate	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
1,4-Dichlorobenzene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
1,2-Dichlorobenzene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
1,3-Dichlorobenzene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,4-Dichlorophenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Diethyl phthalate	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,4-Dimethylphenol	<10.0		ug/L	10.0	11/23/10 11:00	AR	SW 8270C
Dimethyl phthalate	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
3,3'-Dichlorobenzidine	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,4-Dinitrophenol	<6.00		ug/L	6.00	11/23/10 11:00	AR	SW 8270C
2,4-Dinitrotoluene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,6-Dinitrotoluene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Di-n-octyl phthalate	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
<b>Bis(2-ethylhexyl)phthalate</b>	<b>22.0</b>		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
Fluoranthene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C

Lab ID Number: 1011119-01

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Fluorene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Hexachlorobenzene	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
Hexachlorobutadiene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Hexachlorocyclopentadiene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Hexachloroethane	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Isophorone	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2-Methylnaphthalene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2-Methylphenol	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
3 & 4-Methylphenol	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
Naphthalene	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
2-Nitroaniline	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
4-Nitroaniline	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
3-Nitroaniline	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Nitrobenzene	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
4-Nitrophenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2-Nitrophenol	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
N-Nitrosodiphenylamine	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
N-Nitrosodi-n-propylamine	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
Pentachlorophenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Phenanthrene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Phenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Pyrene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
1,2,4-Trichlorobenzene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,4,5-Trichlorophenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,4,6-Trichlorophenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C

**References & Qualifiers**

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004.

RL - Reporting Limit. The lowest level measured by the laboratory adjusted for dilution and/or dry weight correction. \* indicates reported to MDL.

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

All results are based on the sample "As Received" by the laboratory and no endorsement of the sample integrity prior to sample receipt is implied given unless collected by Analytical Chemists Laboratory employees. Report must be reproduced in its enti

 Laboratory Director: Joseph P. Shaulys  
 Joseph P. Shaulys




# ANALYTICAL CHEMISTS

59-01 Central Ave.  
Farmingdale, NY 11735

Tel: (631) 414-7685

Fax: (631) 414-7688

## Analytical Results

December 02, 2010

Calpine Corp.  
939 South Broadway  
Hicksville, NY 11801-5032

Att: Mr. Igor Borisov

Sample Description: Wastewater - Monitoring Wells, Monitoring Well #2 - 11/09/10 16:06

Sample Collected By: Edward Domaradzki  
Purchase Order: Number: Verbal  
Date Samples Received: 11/09/10 17:00  
Lab ID Number: 1011119-02

Sample Qualifier(s):

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
Bromobenzene	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B
Bromochloromethane	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
Bromodichloromethane	<2.50		ug/L	2.50	11/18/10 17:25	VNS	SW 8260B
Bromoform	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
Bromomethane	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B
sec-Butylbenzene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
n-Butylbenzene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
tert-Butylbenzene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
Carbon Tetrachloride	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B
Chlorobenzene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
Chloroethane	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B
Chloroform	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
Chloromethane	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B
2-Chlorotoluene	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B
4-Chlorotoluene	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B
1,2-Dibromo-3-chloropropane	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B
Dibromochloromethane	<2.50		ug/L	2.50	11/18/10 17:25	VNS	SW 8260B
1,2-Dibromoethane	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B
Dibromomethane	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
1,2-Dichlorobenzene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
1,3-Dichlorobenzene	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B
1,4-Dichlorobenzene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
Dichlorodifluoromethane	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
1,1-Dichloroethane	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B
1,2-Dichloroethane	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
1,1-Dichloroethene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B

Lab ID Number: 1011119-02

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
cis-1,2-Dichloroethene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
trans-1,2-Dichloroethene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
1,3-Dichloropropane	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
2,2-Dichloropropane	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B
1,2-Dichloropropane	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B
trans-1,3-Dichloropropene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
1,1-Dichloropropene	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B
cis-1,3-Dichloropropene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
Ethylbenzene	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B
Hexachlorobutadiene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
Isopropylbenzene	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B
4-Isopropyltoluene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
Methyl-tert-Butyl Ether	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
Methylene Chloride	<5.00		ug/L	5.00	11/18/10 17:25	VNS	SW 8260B
n-Propylbenzene	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B
Styrene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B
1,1,1,2-Tetrachloroethane	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
Tetrachloroethene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
Toluene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
1,2,4-Trichlorobenzene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
1,2,3-Trichlorobenzene	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B
1,1,1-Trichloroethane	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
1,1,2-Trichloroethane	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B
* Trichloroethene	<b>0.595</b>		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
Trichlorofluoromethane	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
1,2,3-Trichloropropane	<2.50		ug/L	2.50	11/18/10 17:25	VNS	SW 8260B
1,2,4-Trimethylbenzene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
1,3,5-Trimethylbenzene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
Vinyl chloride	<2.50		ug/L	2.50	11/18/10 17:25	VNS	SW 8260B
o-Xylene	<0.500		ug/L	0.500	11/18/10 17:25	VNS	SW 8260B
m,p-Xylene	<1.00		ug/L	1.00	11/18/10 17:25	VNS	SW 8260B

Lab ID Number: 1011119-02

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
<b>Extracted 11/12/10 by Separatory Funnel Extraction for SW 8270C.</b>							
Acenaphthene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Acenaphthylene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Anthracene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Benzo (a) anthracene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Benzo (a) pyrene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Benzo (b) fluoranthene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Benzo (g,h,i) perylene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Benzo (k) fluoranthene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
4-Bromophenyl phenyl ether	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Butyl benzyl phthalate	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
4-Chloro-3-methylphenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
4-Chloroaniline	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Bis(2-chloroethoxy)methane	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
Bis(2-chloroethyl)ether	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
2-Chloronaphthalene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2-Chlorophenol	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
4-Chlorophenyl phenyl ether	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Chrysene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Dibenz (a,h) anthracene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Dibenzofuran	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Di-n-butyl phthalate	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
1,4-Dichlorobenzene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
1,2-Dichlorobenzene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
1,3-Dichlorobenzene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,4-Dichlorophenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Diethyl phthalate	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,4-Dimethylphenol	<10.0		ug/L	10.0	11/23/10 11:00	AR	SW 8270C
Dimethyl phthalate	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
2,4-Dinitrophenol	<6.00		ug/L	6.00	11/23/10 11:00	AR	SW 8270C
3,3'-Dichlorobenzidine	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,4-Dinitrotoluene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,6-Dinitrotoluene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Di-n-octyl phthalate	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
<b>Bis(2-ethylhexyl)phthalate</b>	<b>24.9</b>		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
Fluoranthene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C



Lab ID Number: 1011119-02

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Fluorene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Hexachlorobenzene	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
Hexachlorobutadiene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Hexachlorocyclopentadiene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Hexachloroethane	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Isophorone	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2-Methylnaphthalene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2-Methylphenol	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
3 & 4-Methylphenol	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
Naphthalene	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
2-Nitroaniline	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
4-Nitroaniline	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
3-Nitroaniline	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Nitrobenzene	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
4-Nitrophenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2-Nitrophenol	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
N-Nitrosodiphenylamine	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
N-Nitrosodi-n-propylamine	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
Pentachlorophenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Phenanthrene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Phenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Pyrene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
1,2,4-Trichlorobenzene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,4,5-Trichlorophenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,4,6-Trichlorophenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C

## References &amp; Qualifiers

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

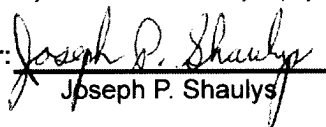
LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004.

RL - Reporting Limit. The lowest level measured by the laboratory adjusted for dilution and/or dry weight correction. \* indicates reported to MDL.

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

All results are based on the sample "As Received" by the laboratory and no endorsement of the sample integrity prior to sample receipt is implied given unless collected by Analytical Chemists Laboratory employees. Report must be reproduced in its enti

Laboratory Director:

  
 Joseph P. Shaulys


Analytical Results

December 02, 2010

 Calpine Corp.  
 939 South Broadway  
 Hicksville, NY 11801-5032

Att: Mr. Igor Borisov

Sample Description: Wastewater - Monitoring Wells, Monitoring Well #3 - 11/09/10 15:48

 Sample Collected By: Edward Domaradzki  
 Purchase Order: Number: Verbal  
 Date Samples Received: 11/09/10 17:00  
 Lab ID Number: 1011119-03

Sample Qualifier(s):

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
Bromobenzene	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
Bromochloromethane	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
Bromodichloromethane	<2.50		ug/L	2.50	11/18/10 17:55	VNS	SW 8260B
Bromoform	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
Bromomethane	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
sec-Butylbenzene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
n-Butylbenzene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
tert-Butylbenzene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
Carbon Tetrachloride	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
Chlorobenzene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
Chloroethane	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
Chloroform	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
Chloromethane	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
2-Chlorotoluene	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
4-Chlorotoluene	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
1,2-Dibromo-3-chloropropane	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
Dibromochloromethane	<2.50		ug/L	2.50	11/18/10 17:55	VNS	SW 8260B
1,2-Dibromoethane	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
Dibromomethane	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
1,2-Dichlorobenzene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
1,3-Dichlorobenzene	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
1,4-Dichlorobenzene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
Dichlorodifluoromethane	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
1,1-Dichloroethane	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
1,2-Dichloroethane	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
1,1-Dichloroethene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B

Lab ID Number: 1011119-03

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
cis-1,2-Dichloroethene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
trans-1,2-Dichloroethene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
1,3-Dichloropropane	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
2,2-Dichloropropane	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
1,2-Dichloropropane	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
trans-1,3-Dichloropropene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
1,1-Dichloropropene	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
cis-1,3-Dichloropropene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
Ethylbenzene	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
Hexachlorobutadiene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
Isopropylbenzene	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
4-Isopropyltoluene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
Methyl-tert-Butyl Ether	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
Methylene Chloride	<5.00		ug/L	5.00	11/18/10 17:55	VNS	SW 8260B
n-Propylbenzene	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
Styrene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
1,1,1,2-Tetrachloroethane	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
Tetrachloroethene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
Toluene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
1,2,4-Trichlorobenzene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
1,2,3-Trichlorobenzene	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
1,1,1-Trichloroethane	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
1,1,2-Trichloroethane	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
* <b>Trichloroethene</b>	<b>0.640</b>		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
Trichlorofluoromethane	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
1,2,3-Trichloropropane	<2.50		ug/L	2.50	11/18/10 17:55	VNS	SW 8260B
1,2,4-Trimethylbenzene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
1,3,5-Trimethylbenzene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B
Vinyl chloride	<2.50		ug/L	2.50	11/18/10 17:55	VNS	SW 8260B
m,p-Xylene	<1.00		ug/L	1.00	11/18/10 17:55	VNS	SW 8260B
o-Xylene	<0.500		ug/L	0.500	11/18/10 17:55	VNS	SW 8260B

Lab ID Number: 1011119-03

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
<b>Extracted 11/12/10 by Separatory Funnel Extraction for SW 8270C.</b>							
Acenaphthene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Acenaphthylene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Anthracene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Benzo (a) anthracene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Benzo (a) pyrene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Benzo (b) fluoranthene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Benzo (g,h,i) perylene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Benzo (k) fluoranthene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
4-Bromophenyl phenyl ether	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Butyl benzyl phthalate	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
4-Chloro-3-methylphenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
4-Chloroaniline	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Bis(2-chloroethoxy)methane	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
Bis(2-chloroethyl)ether	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
2-Chloronaphthalene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2-Chlorophenol	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
4-Chlorophenyl phenyl ether	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Chrysene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Dibenz (a,h) anthracene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Dibenzofuran	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Di-n-butyl phthalate	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
1,4-Dichlorobenzene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
1,2-Dichlorobenzene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
1,3-Dichlorobenzene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,4-Dichlorophenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Diethyl phthalate	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,4-Dimethylphenol	<10.0		ug/L	10.0	11/23/10 11:00	AR	SW 8270C
Dimethyl phthalate	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
3,3'-Dichlorobenzidine	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,4-Dinitrophenol	<6.00		ug/L	6.00	11/23/10 11:00	AR	SW 8270C
2,4-Dinitrotoluene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,6-Dinitrotoluene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Di-n-octyl phthalate	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
<b>Bis(2-ethylhexyl)phthalate</b>	<b>23.0</b>		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
Fluoranthene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C

Lab ID Number: 1011119-03

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Fluorene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Hexachlorobenzene	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
Hexachlorobutadiene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Hexachlorocyclopentadiene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Hexachloroethane	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Isophorone	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2-Methylnaphthalene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2-Methylphenol	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
3 & 4-Methylphenol	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
Naphthalene	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
2-Nitroaniline	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
4-Nitroaniline	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
3-Nitroaniline	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Nitrobenzene	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
4-Nitrophenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2-Nitrophenol	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
N-Nitrosodiphenylamine	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
N-Nitrosodi-n-propylamine	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
Pentachlorophenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Phenanthrene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Phenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Pyrene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
1,2,4-Trichlorobenzene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,4,5-Trichlorophenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,4,6-Trichlorophenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C

## References &amp; Qualifiers

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

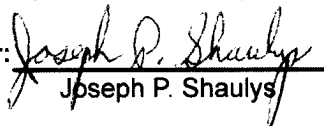
LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004.

RL - Reporting Limit. The lowest level measured by the laboratory adjusted for dilution and/or dry weight correction. \* indicates reported to MDL.

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

All results are based on the sample "As Received" by the laboratory and no endorsement of the sample integrity prior to sample receipt is implied given unless collected by Analytical Chemists Laboratory employees. Report must be reproduced in its enti

Laboratory Director:

  
 Joseph P. Shaulys


Analytical Results

December 02, 2010

 Calpine Corp.  
 939 South Broadway  
 Hicksville, NY 11801-5032

Att: Mr. Igor Borisov

Sample Description: Wastewater - Monitoring Wells, Monitoring Well #4 - 11/09/10 15:15

 Sample Collected By: Edward Domaradzki  
 Purchase Order: Number: Verbal  
 Date Samples Received: 11/09/10 17:00  
 Lab ID Number: 1011119-04

Sample Qualifier(s):

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<0.500		ug/L	0.500	11/18/10 18:25	VNS	SW 8260B
Bromobenzene	<1.00		ug/L	1.00	11/18/10 18:25	VNS	SW 8260B
Bromochloromethane	<0.500		ug/L	0.500	11/18/10 18:25	VNS	SW 8260B
Bromodichloromethane	<2.50		ug/L	2.50	11/18/10 18:25	VNS	SW 8260B
Bromoform	<0.500		ug/L	0.500	11/18/10 18:25	VNS	SW 8260B
Bromomethane	<1.00		ug/L	1.00	11/18/10 18:25	VNS	SW 8260B
sec-Butylbenzene	<0.500		ug/L	0.500	11/18/10 18:25	VNS	SW 8260B
n-Butylbenzene	<0.500		ug/L	0.500	11/18/10 18:25	VNS	SW 8260B
tert-Butylbenzene	<0.500		ug/L	0.500	11/18/10 18:25	VNS	SW 8260B
Carbon Tetrachloride	<1.00		ug/L	1.00	11/18/10 18:25	VNS	SW 8260B
Chlorobenzene	<0.500		ug/L	0.500	11/18/10 18:25	VNS	SW 8260B
Chloroethane	<1.00		ug/L	1.00	11/18/10 18:25	VNS	SW 8260B
Chloroform	<0.500		ug/L	0.500	11/18/10 18:25	VNS	SW 8260B
Chloromethane	<1.00		ug/L	1.00	11/18/10 18:25	VNS	SW 8260B
2-Chlorotoluene	<1.00		ug/L	1.00	11/18/10 18:25	VNS	SW 8260B
4-Chlorotoluene	<1.00		ug/L	1.00	11/18/10 18:25	VNS	SW 8260B
1,2-Dibromo-3-chloropropane	<1.00		ug/L	1.00	11/18/10 18:25	VNS	SW 8260B
Dibromochloromethane	<2.50		ug/L	2.50	11/18/10 18:25	VNS	SW 8260B
1,2-Dibromoethane	<1.00		ug/L	1.00	11/18/10 18:25	VNS	SW 8260B
Dibromomethane	<0.500		ug/L	0.500	11/18/10 18:25	VNS	SW 8260B
1,2-Dichlorobenzene	<0.500		ug/L	0.500	11/18/10 18:25	VNS	SW 8260B
1,3-Dichlorobenzene	<1.00		ug/L	1.00	11/18/10 18:25	VNS	SW 8260B
1,4-Dichlorobenzene	<0.500		ug/L	0.500	11/18/10 18:25	VNS	SW 8260B
Dichlorodifluoromethane	<0.500		ug/L	0.500	11/18/10 18:25	VNS	SW 8260B
1,1-Dichloroethane	<1.00		ug/L	1.00	11/18/10 18:25	VNS	SW 8260B
1,2-Dichloroethane	<0.500		ug/L	0.500	11/18/10 18:25	VNS	SW 8260B
1,1-Dichloroethene	<0.500		ug/L	0.500	11/18/10 18:25	VNS	SW 8260B

Lab ID Number: 1011119-04

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
cis-1,2-Dichloroethene	<0.500		ug/L	0.500	11/18/10 18:25 VNS		SW 8260B
trans-1,2-Dichloroethene	<0.500		ug/L	0.500	11/18/10 18:25 VNS		SW 8260B
1,3-Dichloropropane	<0.500		ug/L	0.500	11/18/10 18:25 VNS		SW 8260B
2,2-Dichloropropane	<1.00		ug/L	1.00	11/18/10 18:25 VNS		SW 8260B
1,2-Dichloropropane	<1.00		ug/L	1.00	11/18/10 18:25 VNS		SW 8260B
trans-1,3-Dichloropropane	<0.500		ug/L	0.500	11/18/10 18:25 VNS		SW 8260B
1,1-Dichloropropene	<1.00		ug/L	1.00	11/18/10 18:25 VNS		SW 8260B
cis-1,3-Dichloropropene	<0.500		ug/L	0.500	11/18/10 18:25 VNS		SW 8260B
Ethylbenzene	<1.00		ug/L	1.00	11/18/10 18:25 VNS		SW 8260B
Hexachlorobutadiene	<0.500		ug/L	0.500	11/18/10 18:25 VNS		SW 8260B
Isopropylbenzene	<1.00		ug/L	1.00	11/18/10 18:25 VNS		SW 8260B
4-Isopropyltoluene	<0.500		ug/L	0.500	11/18/10 18:25 VNS		SW 8260B
Methyl-tert-Butyl Ether	<0.500		ug/L	0.500	11/18/10 18:25 VNS		SW 8260B
Methylene Chloride	<5.00		ug/L	5.00	11/18/10 18:25 VNS		SW 8260B
n-Propylbenzene	<1.00		ug/L	1.00	11/18/10 18:25 VNS		SW 8260B
Styrene	<0.500		ug/L	0.500	11/18/10 18:25 VNS		SW 8260B
1,1,2,2-Tetrachloroethane	<1.00		ug/L	1.00	11/18/10 18:25 VNS		SW 8260B
1,1,1,2-Tetrachloroethane	<0.500		ug/L	0.500	11/18/10 18:25 VNS		SW 8260B
Tetrachloroethene	<0.500		ug/L	0.500	11/18/10 18:25 VNS		SW 8260B
Toluene	<0.500		ug/L	0.500	11/18/10 18:25 VNS		SW 8260B
1,2,4-Trichlorobenzene	<0.500		ug/L	0.500	11/18/10 18:25 VNS		SW 8260B
1,2,3-Trichlorobenzene	<1.00		ug/L	1.00	11/18/10 18:25 VNS		SW 8260B
1,1,1-Trichloroethane	<0.500		ug/L	0.500	11/18/10 18:25 VNS		SW 8260B
1,1,2-Trichloroethane	<1.00		ug/L	1.00	11/18/10 18:25 VNS		SW 8260B
Trichloroethene	<0.500		ug/L	0.500	11/18/10 18:25 VNS		SW 8260B
Trichlorofluoromethane	<0.500		ug/L	0.500	11/18/10 18:25 VNS		SW 8260B
1,2,3-Trichloropropane	<2.50		ug/L	2.50	11/18/10 18:25 VNS		SW 8260B
1,2,4-Trimethylbenzene	<0.500		ug/L	0.500	11/18/10 18:25 VNS		SW 8260B
1,3,5-Trimethylbenzene	<0.500		ug/L	0.500	11/18/10 18:25 VNS		SW 8260B
Vinyl chloride	<2.50		ug/L	2.50	11/18/10 18:25 VNS		SW 8260B
m,p-Xylene	<1.00		ug/L	1.00	11/18/10 18:25 VNS		SW 8260B
o-Xylene	<0.500		ug/L	0.500	11/18/10 18:25 VNS		SW 8260B

Lab ID Number: 1011119-04

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
<b>Extracted 11/12/10 by Separatory Funnel Extraction for SW 8270C.</b>							
Acenaphthene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Acenaphthylene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Anthracene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Benzo (a) anthracene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Benzo (a) pyrene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Benzo (b) fluoranthene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Benzo (g,h,i) perylene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Benzo (k) fluoranthene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
4-Bromophenyl phenyl ether	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Butyl benzyl phthalate	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
4-Chloro-3-methylphenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
4-Chloroaniline	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Bis(2-chloroethoxy)methane	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
Bis(2-chloroethyl)ether	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
2-Chloronaphthalene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2-Chlorophenol	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
4-Chlorophenyl phenyl ether	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Chrysene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Dibenz (a,h) anthracene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Dibenzofuran	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Di-n-butyl phthalate	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
1,4-Dichlorobenzene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
1,2-Dichlorobenzene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
1,3-Dichlorobenzene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,4-Dichlorophenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Diethyl phthalate	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,4-Dimethylphenol	<10.0		ug/L	10.0	11/23/10 11:00	AR	SW 8270C
Dimethyl phthalate	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
2,4-Dinitrophenol	<6.00		ug/L	6.00	11/23/10 11:00	AR	SW 8270C
3,3'-Dichlorobenzidine	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,4-Dinitrotoluene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,6-Dinitrotoluene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Di-n-octyl phthalate	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
<b>Bis(2-ethylhexyl)phthalate</b>	<b>24.6</b>		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
Fluoranthene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C



Lab ID Number: 1011119-04

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Fluorene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Hexachlorobenzene	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
Hexachlorobutadiene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Hexachlorocyclopentadiene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Hexachloroethane	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Isophorone	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2-Methylnaphthalene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2-Methylphenol	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
3 & 4-Methylphenol	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
Naphthalene	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
2-Nitroaniline	<4.00		ug/L	4.00	11/23/10 11:00	AR	SW 8270C
4-Nitroaniline	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
3-Nitroaniline	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Nitrobenzene	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
4-Nitrophenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2-Nitrophenol	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
N-Nitrosodiphenylamine	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
N-Nitrosodi-n-propylamine	<5.00		ug/L	5.00	11/23/10 11:00	AR	SW 8270C
Pentachlorophenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Phenanthrene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Phenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
Pyrene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
1,2,4-Trichlorobenzene	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,4,5-Trichlorophenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C
2,4,6-Trichlorophenol	<3.00		ug/L	3.00	11/23/10 11:00	AR	SW 8270C

## References &amp; Qualifiers

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

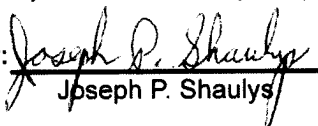
SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004.

RL - Reporting Limit. The lowest level measured by the laboratory adjusted for dilution and/or dry weight correction. \* indicates reported to MDL.

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

All results are based on the sample "As Received" by the laboratory and no endorsement of the sample integrity prior to sample receipt is implied given unless collected by Analytical Chemists Laboratory employees. Report must be reproduced in its entirety.

 Laboratory Director:   
 Joseph P. Shaulys




# ANALYTICAL CHEMISTS

59-01 Central Ave.  
Farmingdale, NY 11735

Tel: (631) 414-7685  
Fax: (631) 414-7688

## Analytical Results

December 02, 2010

Calpine Corp.  
939 South Broadway  
Hicksville, NY 11801-5032

Att: Mr. Igor Borisov

Sample Description: Wastewater - Monitoring Wells, Trip Blank - 11/09/10 16:25

Sample Collected By: Edward Domaradzki  
Purchase Order: Number: Verbal  
Date Samples Received: 11/09/10 17:00  
Lab ID Number: 1011119-05

Sample Qualifier(s):

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
Bromobenzene	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
Bromochloromethane	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
Bromodichloromethane	<2.50		ug/L	2.50	11/18/10 18:55	VNS	SW 8260B
Bromoform	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
Bromomethane	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
sec-Butylbenzene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
n-Butylbenzene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
tert-Butylbenzene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
Carbon Tetrachloride	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
Chlorobenzene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
Chloroethane	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
Chloroform	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
Chloromethane	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
2-Chlorotoluene	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
4-Chlorotoluene	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
1,2-Dibromo-3-chloropropane	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
Dibromochloromethane	<2.50		ug/L	2.50	11/18/10 18:55	VNS	SW 8260B
1,2-Dibromoethane	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
Dibromomethane	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
1,2-Dichlorobenzene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
1,3-Dichlorobenzene	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
1,4-Dichlorobenzene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
Dichlorodifluoromethane	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
1,1-Dichloroethane	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
1,2-Dichloroethane	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
1,1-Dichloroethene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B

Lab ID Number: 1011119-05

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
cis-1,2-Dichloroethene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
trans-1,2-Dichloroethene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
1,3-Dichloropropane	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
2,2-Dichloropropane	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
1,2-Dichloropropane	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
trans-1,3-Dichloropropene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
1,1-Dichloropropene	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
cis-1,3-Dichloropropene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
Ethylbenzene	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
Hexachlorobutadiene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
Isopropylbenzene	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
4-Isopropyltoluene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
Methyl-tert-Butyl Ether	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
Methylene Chloride	<5.00		ug/L	5.00	11/18/10 18:55	VNS	SW 8260B
n-Propylbenzene	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
Styrene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
1,1,1,2-Tetrachloroethane	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
Tetrachloroethene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
Toluene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
1,2,4-Trichlorobenzene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
1,2,3-Trichlorobenzene	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
1,1,1-Trichloroethane	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
1,1,2-Trichloroethane	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
* Trichloroethene	1.21		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
Trichlorofluoromethane	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
1,2,3-Trichloropropane	<2.50		ug/L	2.50	11/18/10 18:55	VNS	SW 8260B
1,2,4-Trimethylbenzene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
1,3,5-Trimethylbenzene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B
Vinyl chloride	<2.50		ug/L	2.50	11/18/10 18:55	VNS	SW 8260B
m,p-Xylene	<1.00		ug/L	1.00	11/18/10 18:55	VNS	SW 8260B
o-Xylene	<0.500		ug/L	0.500	11/18/10 18:55	VNS	SW 8260B

References & Qualifiers

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers" ,February 2004.

RL - Reporting Limit. The lowest level measured by the laboratory adjusted for dilution and/or dry weight correction. \* indicates reported to MDL.

