Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

January 02, 2009

Mr. Jeff Keys
Keys Well Drilling Company
1156 Homer Street
Saint Paul, MN 55116

RE: Project: PINE CITY WELL #4
Pace Project No.: 1084376

Dear Mr. Keys:
Enclosed are the analytical results for sample(s) received by the laboratory on November 13, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Paul Kirchberg

paul.kirchberg@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: PINE CITY WELL #4
Pace Project No.: 1084376

Minnesota Certification IDs

Tennessee Certification #: 02818
Wisconsin Certification #: 999407970
Washington Certification #: C754
Pennsylvania Certification #: 68-00563
Oregon Certification #: MN200001
North Dakota Certification #: R-036
North Carolina Certification #: 530
New York Certification #: 11647
New Jersey Certification #: MN-002
Montana Certification #: MT CERT0092
Minnesota Certification #: 027-053-137
Maine Certification #: 2007029
Louisiana Certification #: LA080009
Louisiana Certification #: 03086
Kansas Certification #: E-10167
Iowa Certification #: 368
Illinois Certification #: 200011
Florida/NELAP Certification #: E87605
California Certification #: 01155CA
Arizona Certification #: AZ-0014
Alaska Certification #: UST-078

Green Bay Certification IDs

Wisconsin DATCP Certification #: 105-444
Wisconsin DATCP Certification #: 105-444
Wisconsin Certification #: 405132750
Wisconsin Certification #: 405132750
South Carolina Certification #: 83006001
South Carolina Certification #: 83006001
North Dakota Certification #: R-200
North Dakota Certification #: R-150
North Carolina Certification #: 503
North Carolina Certification #: 503
New York Certification #: 11888
New York Certification #: 11887
Minnesota Certification #: 055-999-334
Minnesota Certification #: 055-999-334
Louisiana Certification #: 04169
Louisiana Certification #: 04168
Kentucky Certification #: 83
Kentucky Certification #: 82
Illinois Certification #: 200051
Illinois Certification #: 200050
Florida/NELAP Certification #: E87951
Florida/NELAP Certification #: E87948

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SAMPLE SUMMARY

Project: PINE CITY WELL #4
Pace Project No.: 1084376

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1084376001	**WELL #4**	Water	11/13/08 09:00	11/13/08 10:44
1084376002	**TRIP BLANK**	Water		11/13/08 10:44

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SAMPLE ANALYTE COUNT

Project: PINE CITY WELL #4
Pace Project No.: 1084376

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
1084376001	**WELL #4**	EPA 180.1	NMH	1	PASI-M
		EPA 200.8	CJR	18	PASI-M
		EPA 245.1	TEM	1	PASI-M
		EPA 310.1	JDL	1	PASI-M
		EPA 350.1	NMH	1	PASI-M
		EPA 524.2	DJT	76	PASI-M
		SM 2540C	JDL	1	PASI-M
		SM 4500-CN-E	NMH	1	PASI-M
		SM 4500-Cl E	NMH	1	PASI-M
		SM 4500-NO2 B	NMH	1	PASI-M
		SM 4500-NO3 H	NMH	1	PASI-M
		SM 4500-SO4 E	NMH	1	PASI-M
		SM 4500F/C	LE1	1	PASI-M
		SM 5310C	MY	1	PASI-G
		SM 9223	PAO	1	PASI-M
1084376002	**TRIP BLANK**	EPA 524.2	DJT	76	PASI-M

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ANALYTICAL RESULTS

Project: PINE CITY WELL #4
Pace Project No.: 1084376

Sample: WELL #4 **Lab ID: 1084376001** Collected: 11/13/08 09:00 Received: 11/13/08 10:44 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Antimony	**0.12**	ug/L	0.10	1	11/17/08 12:43	11/18/08 15:40	7440-36-0	
Arsenic	**1.8**	ug/L	0.50	1	11/17/08 12:43	11/18/08 15:40	7440-38-2	
Barium	**109**	ug/L	0.30	1	11/17/08 12:43	11/18/08 15:40	7440-39-3	
Beryllium	ND	ug/L	0.20	1	11/17/08 12:43	11/18/08 15:40	7440-41-7	
Cadmium	ND	ug/L	0.10	1	11/17/08 12:43	11/18/08 15:40	7440-43-9	
Calcium	**61200**	ug/L	1000	50	11/17/08 12:43	11/18/08 15:49	7440-70-2	P6
Chromium	ND	ug/L	0.50	1	11/17/08 12:43	11/18/08 15:40	7440-47-3	
Copper	**0.79**	ug/L	0.50	1	11/17/08 12:43	11/18/08 15:40	7440-50-8	
Iron	**1500**	ug/L	50.0	1	11/17/08 12:43	11/18/08 15:40	7439-89-6	
Lead	ND	ug/L	0.10	1	11/17/08 12:43	11/18/08 15:40	7439-92-1	
Magnesium	**30700**	ug/L	250	50	11/17/08 12:43	11/18/08 15:49	7439-95-4	P6
Manganese	**154**	ug/L	0.50	1	11/17/08 12:43	11/18/08 15:40	7439-96-5	
Nickel	**4.2**	ug/L	0.50	1	11/17/08 12:43	11/18/08 15:40	7440-02-0	
Potassium	**1650**	ug/L	20.0	1	11/17/08 12:43	11/18/08 15:40	7440-09-7	
Selenium	ND	ug/L	0.50	1	11/17/08 12:43	11/18/08 15:40	7782-49-2	
Sodium	**7410**	ug/L	250	5	11/17/08 12:43	11/18/08 15:45	7440-23-5	P6
Thallium	ND	ug/L	0.10	1	11/17/08 12:43	11/18/08 15:40	7440-28-0	
Total Hardness by 2340B	**279000**	ug/L	3550	50	11/17/08 12:43	11/18/08 15:49		
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	11/19/08 00:00	11/21/08 07:49	7439-97-6	
524.2 MSV	Analytical Method: EPA 524.2							
Acetone	ND	ug/L	10.0	1		11/21/08 14:34	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		11/21/08 14:34	107-13-1	
Benzene	ND	ug/L	1.0	1		11/21/08 14:34	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/21/08 14:34	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/21/08 14:34	74-97-5	
Bromodichloromethane	ND	ug/L	4.0	1		11/21/08 14:34	75-27-4	
Bromoform	ND	ug/L	8.0	1		11/21/08 14:34	75-25-2	
Bromomethane	ND	ug/L	4.0	1		11/21/08 14:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		11/21/08 14:34	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		11/21/08 14:34	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/21/08 14:34	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/21/08 14:34	98-06-6	
Carbon disulfide	ND	ug/L	1.0	1		11/21/08 14:34	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		11/21/08 14:34	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/21/08 14:34	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/21/08 14:34	75-00-3	
Chloroform	ND	ug/L	1.0	1		11/21/08 14:34	67-66-3	
Chloromethane	ND	ug/L	1.0	1		11/21/08 14:34	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/21/08 14:34	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/21/08 14:34	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		11/21/08 14:34	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/21/08 14:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/21/08 14:34	106-93-4	

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ANALYTICAL RESULTS

Project: PINE CITY WELL #4
Pace Project No.: 1084376

Sample: WELL #4 **Lab ID: 1084376001** Collected: 11/13/08 09:00 Received: 11/13/08 10:44 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2							
Dibromomethane	ND	ug/L	4.0	1		11/21/08 14:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/21/08 14:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/21/08 14:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/21/08 14:34	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		11/21/08 14:34	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/21/08 14:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/21/08 14:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/21/08 14:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/21/08 14:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/21/08 14:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		11/21/08 14:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		11/21/08 14:34	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/21/08 14:34	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		11/21/08 14:34	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/21/08 14:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		11/21/08 14:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		11/21/08 14:34	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		11/21/08 14:34	100-41-4	
Ethyl methacrylate	ND	ug/L	4.0	1		11/21/08 14:34	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		11/21/08 14:34	87-68-3	
2-Hexanone	ND	ug/L	4.0	1		11/21/08 14:34	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/21/08 14:34	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/21/08 14:34	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		11/21/08 14:34	75-09-2	
Methyl methacrylate	ND	ug/L	1.0	1		11/21/08 14:34	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		11/21/08 14:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		11/21/08 14:34	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		11/21/08 14:34	91-20-3	
2-Nitropropane	ND	ug/L	10.0	1		11/21/08 14:34	79-46-9	
n-Propylbenzene	ND	ug/L	1.0	1		11/21/08 14:34	103-65-1	
Styrene	ND	ug/L	1.0	1		11/21/08 14:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/21/08 14:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/21/08 14:34	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		11/21/08 14:34	127-18-4	
Toluene	ND	ug/L	1.0	1		11/21/08 14:34	108-88-3	
Total Trihalomethanes (Calc.)	ND	ug/L	14.0	1		11/21/08 14:34		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/21/08 14:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/21/08 14:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/21/08 14:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	4.0	1		11/21/08 14:34	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/21/08 14:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	4.0	1		11/21/08 14:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		11/21/08 14:34	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/21/08 14:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/21/08 14:34	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		11/21/08 14:34	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/21/08 14:34	1330-20-7	

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ANALYTICAL RESULTS

Project: PINE CITY WELL #4
Pace Project No.: 1084376

Sample: WELL #4 **Lab ID: 1084376001** Collected: 11/13/08 09:00 Received: 11/13/08 10:44 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2							
m&p-Xylene	ND	ug/L	2.0	1		11/21/08 14:34	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		11/21/08 14:34	95-47-6	
4-Bromofluorobenzene (S)	95	%	70-130	1		11/21/08 14:34	460-00-4	H1,HS, pH
Dibromofluoromethane (S)	103	%	70-130	1		11/21/08 14:34	1868-53-7	
Toluene-d8 (S)	101	%	70-130	1		11/21/08 14:34	2037-26-5	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		11/21/08 14:34	17060-07-0	
180.1 Turbidity	Analytical Method: EPA 180.1							
Turbidity	**17.7**	NTU	0.10	1		11/13/08 12:25		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**287**	mg/L	10.0	1		11/14/08 15:52		
310.1 Alkalinity	Analytical Method: EPA 310.1							
Alkalinity, Total as CaCO3	**289**	mg/L	5.0	1		11/18/08 00:00		
MBIO Total Coliform	Analytical Method: SM 9223 Preparation Method: SM 9223							
Total Coliforms	**ABSENT**		1.0	1	11/13/08 12:26	11/14/08 12:27		
SM4500F-C Fluoride, Soluble	Analytical Method: SM 4500F/C							
Fluoride	**0.27**	mg/L	0.10	1		11/17/08 08:55	16984-48-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.50	1		11/19/08 14:24	7664-41-7	
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**2.5**	mg/L	2.0	1		11/20/08 08:48	7440-44-0	
SM4500Cl-E Chloride	Analytical Method: SM 4500-Cl E							
Chloride	ND	mg/L	2.0	1		11/18/08 09:50	16887-00-6	
SM4500CN-E Cyanide	Analytical Method: SM 4500-CN-E							
Cyanide	ND	mg/L	0.010	1		11/25/08 11:15	57-12-5	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.10	1		11/14/08 14:26	14797-65-0	
SM4500NO3-H, Nitrate, unpres	Analytical Method: SM 4500-NO3 H							
Nitrate as N	ND	mg/L	0.10	1		11/14/08 14:17	14797-55-8	
SM4500SO4-E, Sulfate	Analytical Method: SM 4500-SO4 E							
Sulfate	**5.5**	mg/L	2.5	1		11/18/08 10:04	14808-79-8	

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ANALYTICAL RESULTS

Project: PINE CITY WELL #4
Pace Project No.: 1084376

Sample: TRIP BLANK **Lab ID: 1084376002** Collected: Received: 11/13/08 10:44 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2							
Acetone	**107**	ug/L	10.0	1		11/20/08 21:10	67-64-1	L1
Acrylonitrile	ND	ug/L	10.0	1		11/20/08 21:10	107-13-1	
Benzene	ND	ug/L	1.0	1		11/20/08 21:10	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/20/08 21:10	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/20/08 21:10	74-97-5	
Bromodichloromethane	ND	ug/L	4.0	1		11/20/08 21:10	75-27-4	
Bromoform	ND	ug/L	8.0	1		11/20/08 21:10	75-25-2	
Bromomethane	ND	ug/L	4.0	1		11/20/08 21:10	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		11/20/08 21:10	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		11/20/08 21:10	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/20/08 21:10	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/20/08 21:10	98-06-6	
Carbon disulfide	ND	ug/L	1.0	1		11/20/08 21:10	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		11/20/08 21:10	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/20/08 21:10	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/20/08 21:10	75-00-3	
Chloroform	ND	ug/L	1.0	1		11/20/08 21:10	67-66-3	
Chloromethane	ND	ug/L	1.0	1		11/20/08 21:10	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/20/08 21:10	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/20/08 21:10	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		11/20/08 21:10	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/20/08 21:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/20/08 21:10	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		11/20/08 21:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/20/08 21:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/20/08 21:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/20/08 21:10	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	10.0	1		11/20/08 21:10	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/20/08 21:10	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/20/08 21:10	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/20/08 21:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/20/08 21:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/20/08 21:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		11/20/08 21:10	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		11/20/08 21:10	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/20/08 21:10	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		11/20/08 21:10	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/20/08 21:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		11/20/08 21:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		11/20/08 21:10	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		11/20/08 21:10	100-41-4	
Ethyl methacrylate	ND	ug/L	4.0	1		11/20/08 21:10	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		11/20/08 21:10	87-68-3	
2-Hexanone	ND	ug/L	4.0	1		11/20/08 21:10	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/20/08 21:10	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/20/08 21:10	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		11/20/08 21:10	75-09-2	

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ANALYTICAL RESULTS

Project: PINE CITY WELL #4
Pace Project No.: 1084376

Sample: TRIP BLANK **Lab ID: 1084376002** Collected: Received: 11/13/08 10:44 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2							
Methyl methacrylate	ND	ug/L	1.0	1		11/20/08 21:10	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		11/20/08 21:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		11/20/08 21:10	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		11/20/08 21:10	91-20-3	
2-Nitropropane	ND	ug/L	10.0	1		11/20/08 21:10	79-46-9	
n-Propylbenzene	ND	ug/L	1.0	1		11/20/08 21:10	103-65-1	
Styrene	ND	ug/L	1.0	1		11/20/08 21:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/20/08 21:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/20/08 21:10	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		11/20/08 21:10	127-18-4	
Toluene	ND	ug/L	1.0	1		11/20/08 21:10	108-88-3	
Total Trihalomethanes (Calc.)	ND	ug/L	14.0	1		11/20/08 21:10		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/20/08 21:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/20/08 21:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/20/08 21:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	4.0	1		11/20/08 21:10	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/20/08 21:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	4.0	1		11/20/08 21:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		11/20/08 21:10	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/20/08 21:10	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/20/08 21:10	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		11/20/08 21:10	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/20/08 21:10	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/20/08 21:10	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		11/20/08 21:10	95-47-6	
4-Bromofluorobenzene (S)	92	%	70-130	1		11/20/08 21:10	460-00-4	
Dibromofluoromethane (S)	101	%	70-130	1		11/20/08 21:10	1868-53-7	
Toluene-d8 (S)	98	%	70-130	1		11/20/08 21:10	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%	70-130	1		11/20/08 21:10	17060-07-0	

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QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

QC Batch: WETA/2789 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 1084376001

METHOD BLANK: 103130 | Matrix: Water
Associated Lab Samples: 1084376001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	2.0	11/19/08 12:57	

LABORATORY CONTROL SAMPLE: 103131

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	100	106	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 103132 103133

Parameter	Units	1084528001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	10.2	100	100	115	114	104	104	80-120	.6	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 103134 103135

Parameter	Units	1084439002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	ND	100	100	107	105	107	105	80-120	1	20	

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QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

QC Batch: WET/14600 | Analysis Method: EPA 180.1
QC Batch Method: EPA 180.1 | Analysis Description: 180.1 Turbidity
Associated Lab Samples: 1084376001

METHOD BLANK: 551168 | Matrix: Water
Associated Lab Samples: 1084376001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Turbidity	NTU	ND	0.10	11/13/08 12:25	

LABORATORY CONTROL SAMPLE: 551169

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Turbidity	NTU	1	0.98	98	90-110	

SAMPLE DUPLICATE: 551170

Parameter	Units	1084376001 Result	Dup Result	RPD	Max RPD	Qualifiers
Turbidity	NTU	17.7	17.9	1	20	

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QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

QC Batch: WETA/7445
QC Batch Method: SM 4500-NO2 B
Analysis Method: SM 4500-NO2 B
Analysis Description: SM4500NO2-B, Nitrite, unpres
Associated Lab Samples: 1084376001

METHOD BLANK: 551455
Matrix: Water
Associated Lab Samples: 1084376001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.10	11/14/08 14:26	

LABORATORY CONTROL SAMPLE: 551456

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	.3	0.28	93	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 551457 551458

Parameter	Units	1084376001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrite as N	mg/L	ND	1	1	0.92	0.91	92	91	80-120	1	30	

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QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

QC Batch: WETA/7446
QC Batch Method: SM 4500-NO3 H
Analysis Method: SM 4500-NO3 H
Analysis Description: SM4500NO3-H, Nitrate, unpres
Associated Lab Samples: 1084376001

METHOD BLANK: 551459
Matrix: Water
Associated Lab Samples: 1084376001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	ND	0.10	11/14/08 14:17	

LABORATORY CONTROL SAMPLE: 551460

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	1	0.94	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 551461 551462

Parameter	Units	1084376001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	ND	1	1	0.92	0.95	90	93	80-120	3	30	

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QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

QC Batch: WET/14605 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 1084376001

METHOD BLANK: 551490 | Matrix: Water
Associated Lab Samples: 1084376001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	11/14/08 16:08	

LABORATORY CONTROL SAMPLE: 551491

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	192	161	84	80-120	

SAMPLE DUPLICATE: 551492

Parameter	Units	1084427001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	761	761	0	20	

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QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

QC Batch: WET/14618
QC Batch Method: SM 4500F/C
Analysis Method: SM 4500F/C
Analysis Description: SM4500F-C Fluoride, Soluble
Associated Lab Samples: 1084376001

METHOD BLANK: 552235
Matrix: Water
Associated Lab Samples: 1084376001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	ND	0.10	11/17/08 08:55	

LABORATORY CONTROL SAMPLE: 552236

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	1	1.1	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 552237 552238

Parameter	Units	1084323001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Fluoride	mg/L	1.2	10	10	10.5	10.8	92	96	80-120	3	20	1M

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QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

QC Batch: MPRP/13895 | Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 | Analysis Description: 200.8 MET
Associated Lab Samples: 1084376001

METHOD BLANK: 552248 | Matrix: Water
Associated Lab Samples: 1084376001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	0.10	11/18/08 15:02	
Arsenic	ug/L	ND	0.50	11/18/08 15:02	
Barium	ug/L	ND	0.30	11/18/08 15:02	
Beryllium	ug/L	ND	0.20	11/18/08 15:02	
Cadmium	ug/L	ND	0.10	11/18/08 15:02	
Calcium	ug/L	ND	20.0	11/18/08 15:02	
Chromium	ug/L	ND	0.50	11/18/08 15:02	
Copper	ug/L	ND	0.50	11/19/08 11:08	
Iron	ug/L	ND	50.0	11/18/08 15:02	
Lead	ug/L	ND	0.10	11/18/08 15:02	
Magnesium	ug/L	ND	5.0	11/18/08 15:02	
Manganese	ug/L	ND	0.50	11/18/08 15:02	
Nickel	ug/L	ND	0.50	11/18/08 15:02	
Potassium	ug/L	ND	20.0	11/18/08 15:02	
Selenium	ug/L	ND	0.50	11/18/08 15:02	
Sodium	ug/L	ND	50.0	11/18/08 15:02	
Thallium	ug/L	ND	0.10	11/18/08 15:02	
Total Hardness by 2340B	ug/L	ND	71.0	11/18/08 15:02	

LABORATORY CONTROL SAMPLE: 552249

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	80	73.7	92	85-115	
Arsenic	ug/L	80	74.0	92	85-115	
Barium	ug/L	80	72.5	91	85-115	
Beryllium	ug/L	80	74.8	94	85-115	
Cadmium	ug/L	80	71.1	89	85-115	
Calcium	ug/L	1000	955	95	85-115	
Chromium	ug/L	80	72.3	90	85-115	
Copper	ug/L	80	73.9	92	85-115	
Iron	ug/L	1000	927	93	85-115	
Lead	ug/L	80	74.3	93	85-115	
Magnesium	ug/L	1000	960	96	85-115	
Manganese	ug/L	80	74.1	93	85-115	
Nickel	ug/L	80	73.5	92	85-115	
Potassium	ug/L	1000	999	100	85-115	
Selenium	ug/L	160	143	89	85-115	
Sodium	ug/L	1000	1070	107	85-115	
Thallium	ug/L	80	75.0	94	85-115	
Total Hardness by 2340B	ug/L		6340			

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QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 552250 552251

Parameter	Units	1084376001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.12	80	80	79.7	74.0	99	92	70-130	7	20	
Arsenic	ug/L	1.8	80	80	81.4	73.4	100	90	70-130	10	20	
Barium	ug/L	109	80	80	185	171	95	78	70-130	8	20	
Beryllium	ug/L	ND	80	80	83.4	74.4	104	93	70-130	11	20	
Cadmium	ug/L	ND	80	80	78.5	70.6	98	88	70-130	11	20	
Calcium	ug/L	61200	1000	1000	60500	54100	-74	-710	70-130	11	20	E,P6
Chromium	ug/L	ND	80	80	79.3	72.1	99	90	70-130	9	20	
Copper	ug/L	0.79	80	80	78.5	70.8	97	88	70-130	10	20	
Iron	ug/L	1500	1000	1000	2670	2380	117	88	70-130	11	20	
Lead	ug/L	ND	80	80	80.9	72.3	101	90	70-130	11	20	
Magnesium	ug/L	30700	1000	1000	31200	28300	43	-242	70-130	10	20	E,P6
Manganese	ug/L	154	80	80	242	214	111	76	70-130	12	20	
Nickel	ug/L	4.2	80	80	82.4	75.3	98	89	70-130	9	20	
Potassium	ug/L	1650	1000	1000	2750	2520	110	87	70-130	9	20	
Selenium	ug/L	ND	160	160	158	146	99	91	70-130	8	20	
Sodium	ug/L	7410	1000	1000	8420	7720	102	31	70-130	9	20	P6
Thallium	ug/L	ND	80	80	81.8	73.8	102	92	70-130	10	20	
Total Hardness by 2340B	ug/L	279000			279000	252000				10	20	

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QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

QC Batch: WETA/7456
QC Batch Method: SM 4500-Cl E
Analysis Method: SM 4500-Cl E
Analysis Description: SM4500Cl-E Chloride
Associated Lab Samples: 1084376001

METHOD BLANK: 552706
Matrix: Water
Associated Lab Samples: 1084376001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	2.0	11/18/08 09:50	

LABORATORY CONTROL SAMPLE: 552707

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	30	31.7	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 552708 552709

Parameter	Units	1084376001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	30	30	33.2	33.2	106	106	80-120	.2	30	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 552710 552711

Parameter	Units	1084504001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	27.0	30	30	53.1	53.0	87	87	80-120	.2	30	

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QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

QC Batch: WETA/7458
QC Batch Method: SM 4500-SO4 E
Analysis Method: SM 4500-SO4 E
Analysis Description: SM4500SO4-E, Sulfate
Associated Lab Samples: 1084376001

METHOD BLANK: 552732
Matrix: Water
Associated Lab Samples: 1084376001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	2.5	11/18/08 10:45	

LABORATORY CONTROL SAMPLE: 552733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	7.5	7.4	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 552734 552735

Parameter	Units	1084376001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	5.5	20	20	25.5	25.6	100	100	80-120	.2	30	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 552736 552737

Parameter	Units	1084393001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L		20	20	32.3	32.3	84	84	80-120	.008	30	

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QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

QC Batch: WET/14626
QC Batch Method: EPA 310.1
Analysis Method: EPA 310.1
Analysis Description: 310.1 Alkalinity
Associated Lab Samples: 1084376001

METHOD BLANK: 552799
Matrix: Water
Associated Lab Samples: 1084376001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	11/18/08 00:00	

LABORATORY CONTROL SAMPLE & LCSD: 552800 552801

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	40.0	40.9	100	102	80-120	2	30	

MATRIX SPIKE SAMPLE: 552802

Parameter	Units	1084516005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	204	40	243	98	80-120	

MATRIX SPIKE SAMPLE: 552804

Parameter	Units	1084504003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	211	40	249	96	80-120	

SAMPLE DUPLICATE: 552803

Parameter	Units	1084516006 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	204	206	.9	30	

SAMPLE DUPLICATE: 552805

Parameter	Units	1084504004 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	128	129	.7	30	

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QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

QC Batch: WETA/7468 | Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 | Analysis Description: 350.1 Ammonia
Associated Lab Samples: 1084376001

METHOD BLANK: 553508 | Matrix: Water
Associated Lab Samples: 1084376001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.50	11/19/08 14:23	

LABORATORY CONTROL SAMPLE: 553509

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 553510 553511

Parameter	Units	4011334002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	<0.25	2	2	2.3	2.3	113	114	80-120	2	30	

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

QC Batch: MERP/3051 | Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 | Analysis Description: 245.1 Mercury
Associated Lab Samples: 1084376001

METHOD BLANK: 553858 | Matrix: Water
Associated Lab Samples: 1084376001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	11/21/08 07:42	

LABORATORY CONTROL SAMPLE: 553859

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	95	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 554359 554360

Parameter	Units	1084685001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.2	5.3	100	102	85-115	2	30	

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QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

QC Batch: MSV/11374 | Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 | Analysis Description: 524.2 MSV
Associated Lab Samples: 1084376002

METHOD BLANK: 554452 | Matrix: Water
Associated Lab Samples: 1084376002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	11/20/08 20:44	
1,1,1-Trichloroethane	ug/L	ND	1.0	11/20/08 20:44	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	11/20/08 20:44	
1,1,2-Trichloroethane	ug/L	ND	4.0	11/20/08 20:44	
1,1-Dichloroethane	ug/L	ND	1.0	11/20/08 20:44	
1,1-Dichloroethene	ug/L	ND	1.0	11/20/08 20:44	
1,1-Dichloropropene	ug/L	ND	1.0	11/20/08 20:44	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	11/20/08 20:44	
1,2,3-Trichloropropane	ug/L	ND	1.0	11/20/08 20:44	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	11/20/08 20:44	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	11/20/08 20:44	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	11/20/08 20:44	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	11/20/08 20:44	
1,2-Dichlorobenzene	ug/L	ND	1.0	11/20/08 20:44	
1,2-Dichloroethane	ug/L	ND	1.0	11/20/08 20:44	
1,2-Dichloropropane	ug/L	ND	1.0	11/20/08 20:44	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	11/20/08 20:44	
1,3-Dichlorobenzene	ug/L	ND	1.0	11/20/08 20:44	
1,3-Dichloropropane	ug/L	ND	1.0	11/20/08 20:44	
1,4-Dichlorobenzene	ug/L	ND	1.0	11/20/08 20:44	
2,2-Dichloropropane	ug/L	ND	1.0	11/20/08 20:44	
2-Butanone (MEK)	ug/L	ND	4.0	11/20/08 20:44	
2-Chlorotoluene	ug/L	ND	1.0	11/20/08 20:44	
2-Hexanone	ug/L	ND	4.0	11/20/08 20:44	
2-Nitropropane	ug/L	ND	10.0	11/20/08 20:44	
4-Chlorotoluene	ug/L	ND	1.0	11/20/08 20:44	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	11/20/08 20:44	
Acetone	ug/L	ND	10.0	11/20/08 20:44	
Acrylonitrile	ug/L	ND	10.0	11/20/08 20:44	
Benzene	ug/L	ND	1.0	11/20/08 20:44	
Bromobenzene	ug/L	ND	1.0	11/20/08 20:44	
Bromochloromethane	ug/L	ND	1.0	11/20/08 20:44	
Bromodichloromethane	ug/L	ND	4.0	11/20/08 20:44	
Bromoform	ug/L	ND	8.0	11/20/08 20:44	
Bromomethane	ug/L	ND	4.0	11/20/08 20:44	
Carbon disulfide	ug/L	ND	1.0	11/20/08 20:44	
Carbon tetrachloride	ug/L	ND	1.0	11/20/08 20:44	
Chlorobenzene	ug/L	ND	1.0	11/20/08 20:44	
Chloroethane	ug/L	ND	1.0	11/20/08 20:44	
Chloroform	ug/L	ND	1.0	11/20/08 20:44	
Chloromethane	ug/L	ND	1.0	11/20/08 20:44	
cis-1,2-Dichloroethene	ug/L	ND	1.0	11/20/08 20:44	
cis-1,3-Dichloropropene	ug/L	ND	4.0	11/20/08 20:44	

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QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

METHOD BLANK: 554452 Matrix: Water

Associated Lab Samples: 1084376002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	1.0	11/20/08 20:44	
Dibromomethane	ug/L	ND	4.0	11/20/08 20:44	
Dichlorodifluoromethane	ug/L	ND	1.0	11/20/08 20:44	
Ethyl methacrylate	ug/L	ND	4.0	11/20/08 20:44	
Ethylbenzene	ug/L	ND	1.0	11/20/08 20:44	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	11/20/08 20:44	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	11/20/08 20:44	
m&p-Xylene	ug/L	ND	2.0	11/20/08 20:44	
Methyl methacrylate	ug/L	ND	1.0	11/20/08 20:44	
Methyl-tert-butyl ether	ug/L	ND	1.0	11/20/08 20:44	
Methylene Chloride	ug/L	ND	4.0	11/20/08 20:44	
n-Butylbenzene	ug/L	ND	1.0	11/20/08 20:44	
n-Propylbenzene	ug/L	ND	1.0	11/20/08 20:44	
Naphthalene	ug/L	ND	4.0	11/20/08 20:44	
o-Xylene	ug/L	ND	1.0	11/20/08 20:44	
p-Isopropyltoluene	ug/L	ND	1.0	11/20/08 20:44	
sec-Butylbenzene	ug/L	ND	1.0	11/20/08 20:44	
Styrene	ug/L	ND	1.0	11/20/08 20:44	
tert-Butylbenzene	ug/L	ND	1.0	11/20/08 20:44	
Tetrachloroethene	ug/L	ND	1.0	11/20/08 20:44	
Toluene	ug/L	ND	1.0	11/20/08 20:44	
Total Trihalomethanes (Calc.)	ug/L	ND	14.0	11/20/08 20:44	
trans-1,2-Dichloroethene	ug/L	ND	1.0	11/20/08 20:44	
trans-1,3-Dichloropropene	ug/L	ND	4.0	11/20/08 20:44	
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	11/20/08 20:44	
Trichloroethene	ug/L	ND	1.0	11/20/08 20:44	
Trichlorofluoromethane	ug/L	ND	4.0	11/20/08 20:44	
Vinyl chloride	ug/L	ND	0.40	11/20/08 20:44	
Xylene (Total)	ug/L	ND	3.0	11/20/08 20:44	
1,2-Dichloroethane-d4 (S)	%	99	70-130	11/20/08 20:44	
4-Bromofluorobenzene (S)	%	94	70-130	11/20/08 20:44	
Dibromofluoromethane (S)	%	99	70-130	11/20/08 20:44	
Toluene-d8 (S)	%	100	70-130	11/20/08 20:44	

LABORATORY CONTROL SAMPLE: 554453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.3	106	70-130	
1,1,1-Trichloroethane	ug/L	20	21.4	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.6	103	70-130	
1,1,2-Trichloroethane	ug/L	20	21.2	106	70-130	
1,1-Dichloroethane	ug/L	20	22.3	112	70-130	
1,1-Dichloroethene	ug/L	20	23.2	116	70-130	
1,1-Dichloropropene	ug/L	20	22.1	111	70-130	
1,2,3-Trichlorobenzene	ug/L	20	22.3	112	70-130	

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QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

LABORATORY CONTROL SAMPLE: 554453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/L	20	21.1	105	70-130	
1,2,4-Trichlorobenzene	ug/L	20	20.9	104	70-130	
1,2,4-Trimethylbenzene	ug/L	20	21.5	108	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	19.3	97	70-130	
1,2-Dibromoethane (EDB)	ug/L	20	20.9	104	70-130	
1,2-Dichlorobenzene	ug/L	20	20.6	103	70-130	
1,2-Dichloroethane	ug/L	20	20.7	103	70-130	
1,2-Dichloropropane	ug/L	20	21.7	109	70-130	
1,3,5-Trimethylbenzene	ug/L	20	21.3	107	70-130	
1,3-Dichlorobenzene	ug/L	20	20.6	103	70-130	
1,3-Dichloropropane	ug/L	20	21.6	108	70-130	
1,4-Dichlorobenzene	ug/L	20	20.5	102	70-130	
2,2-Dichloropropane	ug/L	20	22.3	112	70-130	
2-Butanone (MEK)	ug/L	20	24.5	122	70-130	
2-Chlorotoluene	ug/L	20	20.4	102	70-130	
2-Hexanone	ug/L	20	23.4	117	70-130	
2-Nitropropane	ug/L	50	52.9	106	70-130	
4-Chlorotoluene	ug/L	20	21.4	107	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	21.6	108	70-130	
Acetone	ug/L	50	68.9	138	70-130	L0
Acrylonitrile	ug/L	200	214	107	70-130	
Benzene	ug/L	20	20.3	101	70-130	
Bromobenzene	ug/L	20	21.3	107	70-130	
Bromochloromethane	ug/L	20	20.5	102	70-130	
Bromodichloromethane	ug/L	20	20.6	103	70-130	
Bromoform	ug/L	40	40.8	102	70-130	
Bromomethane	ug/L	20	22.6	113	70-130	
Carbon disulfide	ug/L	20	21.6	108	70-130	
Carbon tetrachloride	ug/L	20	22.0	110	70-130	
Chlorobenzene	ug/L	20	21.2	106	70-130	
Chloroethane	ug/L	20	22.2	111	70-130	
Chloroform	ug/L	20	20.9	104	70-130	
Chloromethane	ug/L	20	20.1	100	70-130	
cis-1,2-Dichloroethene	ug/L	20	22.2	111	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.2	106	70-130	
Dibromochloromethane	ug/L	20	20.9	104	70-130	
Dibromomethane	ug/L	20	22.6	113	70-130	
Dichlorodifluoromethane	ug/L	20	24.6	123	70-130	
Ethyl methacrylate	ug/L	20	22.0	110	70-130	
Ethylbenzene	ug/L	20	21.5	108	70-130	
Hexachloro-1,3-butadiene	ug/L	20	20.5	103	70-130	
Isopropylbenzene (Cumene)	ug/L	20	21.9	109	70-130	
m&p-Xylene	ug/L	40	44.2	111	70-130	
Methyl methacrylate	ug/L	20	22.0	110	70-130	
Methyl-tert-butyl ether	ug/L	20	21.2	106	70-130	
Methylene Chloride	ug/L	20	21.1	105	70-130	
n-Butylbenzene	ug/L	20	21.3	107	70-130	
n-Propylbenzene	ug/L	20	21.1	105	70-130	

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QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

LABORATORY CONTROL SAMPLE: 554453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	20	22.3	112	70-130	
o-Xylene	ug/L	20	21.9	109	70-130	
p-Isopropyltoluene	ug/L	20	20.5	103	70-130	
sec-Butylbenzene	ug/L	20	21.3	107	70-130	
Styrene	ug/L	20	21.9	109	70-130	
tert-Butylbenzene	ug/L	20	21.7	109	70-130	
Tetrachloroethene	ug/L	20	22.8	114	70-130	
Toluene	ug/L	20	20.3	101	70-130	
Total Trihalomethanes (Calc.)	ug/L	100	103	103	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.2	106	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.1	105	70-130	
trans-1,4-Dichloro-2-butene	ug/L	50	51.8	104	70-130	
Trichloroethene	ug/L	20	22.5	113	70-130	
Trichlorofluoromethane	ug/L	20	23.1	116	70-130	
Vinyl chloride	ug/L	20	22.1	111	70-130	
Xylene (Total)	ug/L	60	66.1	110	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			98	70-130	
Toluene-d8 (S)	%			100	70-130	

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QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

QC Batch: MSV/11379
QC Batch Method: EPA 524.2
Analysis Method: EPA 524.2
Analysis Description: 524.2 MSV
Associated Lab Samples: 1084376001

METHOD BLANK: 554877
Matrix: Water
Associated Lab Samples: 1084376001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	11/21/08 14:09	
1,1,1-Trichloroethane	ug/L	ND	1.0	11/21/08 14:09	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	11/21/08 14:09	
1,1,2-Trichloroethane	ug/L	ND	4.0	11/21/08 14:09	
1,1-Dichloroethane	ug/L	ND	1.0	11/21/08 14:09	
1,1-Dichloroethene	ug/L	ND	1.0	11/21/08 14:09	
1,1-Dichloropropene	ug/L	ND	1.0	11/21/08 14:09	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	11/21/08 14:09	
1,2,3-Trichloropropane	ug/L	ND	1.0	11/21/08 14:09	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	11/21/08 14:09	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	11/21/08 14:09	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	11/21/08 14:09	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	11/21/08 14:09	
1,2-Dichlorobenzene	ug/L	ND	1.0	11/21/08 14:09	
1,2-Dichloroethane	ug/L	ND	1.0	11/21/08 14:09	
1,2-Dichloropropane	ug/L	ND	1.0	11/21/08 14:09	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	11/21/08 14:09	
1,3-Dichlorobenzene	ug/L	ND	1.0	11/21/08 14:09	
1,3-Dichloropropane	ug/L	ND	1.0	11/21/08 14:09	
1,4-Dichlorobenzene	ug/L	ND	1.0	11/21/08 14:09	
2,2-Dichloropropane	ug/L	ND	1.0	11/21/08 14:09	
2-Butanone (MEK)	ug/L	ND	4.0	11/21/08 14:09	
2-Chlorotoluene	ug/L	ND	1.0	11/21/08 14:09	
2-Hexanone	ug/L	ND	4.0	11/21/08 14:09	
2-Nitropropane	ug/L	ND	10.0	11/21/08 14:09	
4-Chlorotoluene	ug/L	ND	1.0	11/21/08 14:09	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	11/21/08 14:09	
Acetone	ug/L	ND	10.0	11/21/08 14:09	
Acrylonitrile	ug/L	ND	10.0	11/21/08 14:09	
Benzene	ug/L	ND	1.0	11/21/08 14:09	
Bromobenzene	ug/L	ND	1.0	11/21/08 14:09	
Bromochloromethane	ug/L	ND	1.0	11/21/08 14:09	
Bromodichloromethane	ug/L	ND	4.0	11/21/08 14:09	
Bromoform	ug/L	ND	8.0	11/21/08 14:09	
Bromomethane	ug/L	ND	4.0	11/21/08 14:09	
Carbon disulfide	ug/L	ND	1.0	11/21/08 14:09	
Carbon tetrachloride	ug/L	ND	1.0	11/21/08 14:09	
Chlorobenzene	ug/L	ND	1.0	11/21/08 14:09	
Chloroethane	ug/L	ND	1.0	11/21/08 14:09	
Chloroform	ug/L	ND	1.0	11/21/08 14:09	
Chloromethane	ug/L	ND	1.0	11/21/08 14:09	
cis-1,2-Dichloroethene	ug/L	ND	1.0	11/21/08 14:09	
cis-1,3-Dichloropropene	ug/L	ND	4.0	11/21/08 14:09	

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QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

METHOD BLANK: 554877 Matrix: Water

Associated Lab Samples: 1084376001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	1.0	11/21/08 14:09	
Dibromomethane	ug/L	ND	4.0	11/21/08 14:09	
Dichlorodifluoromethane	ug/L	ND	1.0	11/21/08 14:09	
Ethyl methacrylate	ug/L	ND	4.0	11/21/08 14:09	
Ethylbenzene	ug/L	ND	1.0	11/21/08 14:09	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	11/21/08 14:09	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	11/21/08 14:09	
m&p-Xylene	ug/L	ND	2.0	11/21/08 14:09	
Methyl methacrylate	ug/L	ND	1.0	11/21/08 14:09	
Methyl-tert-butyl ether	ug/L	ND	1.0	11/21/08 14:09	
Methylene Chloride	ug/L	ND	4.0	11/21/08 14:09	
n-Butylbenzene	ug/L	ND	1.0	11/21/08 14:09	
n-Propylbenzene	ug/L	ND	1.0	11/21/08 14:09	
Naphthalene	ug/L	ND	4.0	11/21/08 14:09	
o-Xylene	ug/L	ND	1.0	11/21/08 14:09	
p-Isopropyltoluene	ug/L	ND	1.0	11/21/08 14:09	
sec-Butylbenzene	ug/L	ND	1.0	11/21/08 14:09	
Styrene	ug/L	ND	1.0	11/21/08 14:09	
tert-Butylbenzene	ug/L	ND	1.0	11/21/08 14:09	
Tetrachloroethene	ug/L	ND	1.0	11/21/08 14:09	
Toluene	ug/L	ND	1.0	11/21/08 14:09	
Total Trihalomethanes (Calc.)	ug/L	ND	14.0	11/21/08 14:09	
trans-1,2-Dichloroethene	ug/L	ND	1.0	11/21/08 14:09	
trans-1,3-Dichloropropene	ug/L	ND	4.0	11/21/08 14:09	
trans-1,4-Dichloro-2-butene	ug/L	ND	10.0	11/21/08 14:09	
Trichloroethene	ug/L	ND	1.0	11/21/08 14:09	
Trichlorofluoromethane	ug/L	ND	4.0	11/21/08 14:09	
Vinyl chloride	ug/L	ND	0.40	11/21/08 14:09	
Xylene (Total)	ug/L	ND	3.0	11/21/08 14:09	
1,2-Dichloroethane-d4 (S)	%	100	70-130	11/21/08 14:09	
4-Bromofluorobenzene (S)	%	94	70-130	11/21/08 14:09	
Dibromofluoromethane (S)	%	100	70-130	11/21/08 14:09	
Toluene-d8 (S)	%	97	70-130	11/21/08 14:09	

LABORATORY CONTROL SAMPLE & LCSD: 554878 554879

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.2	20.4	96	102	70-130	6	20	
1,1,1-Trichloroethane	ug/L	20	18.3	18.7	92	93	70-130	2	20	
1,1,2,2-Tetrachloroethane	ug/L	20	20.8	22.0	104	110	70-130	6	20	
1,1,2-Trichloroethane	ug/L	20	20.1	21.2	101	106	70-130	5	20	
1,1-Dichloroethane	ug/L	20	20.8	20.0	104	100	70-130	4	20	
1,1-Dichloroethene	ug/L	20	20.2	20.5	101	103	70-130	2	20	
1,1-Dichloropropene	ug/L	20	19.6	19.4	98	97	70-130	1	20	
1,2,3-Trichlorobenzene	ug/L	20	20.1	22.1	101	111	70-130	10	20	

PRELIMINARY

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

LABORATORY CONTROL SAMPLE & LCSD: 554878 554879

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,3-Trichloropropane	ug/L	20	20.0	21.6	100	108	70-130	8	20	
1,2,4-Trichlorobenzene	ug/L	20	19.7	20.7	99	104	70-130	5	20	
1,2,4-Trimethylbenzene	ug/L	20	19.8	19.6	99	98	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	20	18.5	20.6	93	103	70-130	11	20	
1,2-Dibromoethane (EDB)	ug/L	20	19.8	20.4	99	102	70-130	3	20	
1,2-Dichlorobenzene	ug/L	20	19.9	19.7	100	98	70-130	1	20	
1,2-Dichloroethane	ug/L	20	20.1	19.9	101	99	70-130	1	20	
1,2-Dichloropropane	ug/L	20	20.4	20.5	102	102	70-130	.7	20	
1,3,5-Trimethylbenzene	ug/L	20	19.8	19.0	99	95	70-130	4	20	
1,3-Dichlorobenzene	ug/L	20	19.9	19.5	100	98	70-130	2	20	
1,3-Dichloropropane	ug/L	20	20.9	20.8	104	104	70-130	.2	20	
1,4-Dichlorobenzene	ug/L	20	19.4	19.3	97	97	70-130	.5	20	
2,2-Dichloropropane	ug/L	20	20.3	17.4	102	87	70-130	15	20	
2-Butanone (MEK)	ug/L	20	21.7	19.9	108	99	70-130	9	20	
2-Chlorotoluene	ug/L	20	19.3	19.4	96	97	70-130	.6	20	
2-Hexanone	ug/L	20	21.4	20.8	107	104	70-130	3	20	
2-Nitropropane	ug/L	50	52.4	52.9	105	106	70-130	.8	20	
4-Chlorotoluene	ug/L	20	20.1	19.4	100	97	70-130	3	20	
4-Methyl-2-pentanone (MIBK)	ug/L	20	20.4	21.8	102	109	70-130	7	20	
Acetone	ug/L	50	59.0	42.7	118	85	70-130	32	20	R1
Acrylonitrile	ug/L	200	210	208	105	104	70-130	.6	20	
Benzene	ug/L	20	18.7	19.0	94	95	70-130	1	20	
Bromobenzene	ug/L	20	20.4	21.0	102	105	70-130	3	20	
Bromochloromethane	ug/L	20	21.0	21.4	105	107	70-130	2	20	
Bromodichloromethane	ug/L	20	19.7	19.7	99	98	70-130	.3	20	
Bromoform	ug/L	40	40.6	42.4	101	106	70-130	4	20	
Bromomethane	ug/L	20	19.8	17.6	99	88	70-130	12	20	
Carbon disulfide	ug/L	20	19.2	19.5	96	98	70-130	1	20	
Carbon tetrachloride	ug/L	20	19.4	19.4	97	97	70-130	.3	20	
Chlorobenzene	ug/L	20	19.6	20.1	98	100	70-130	3	20	
Chloroethane	ug/L	20	21.1	18.8	105	94	70-130	12	20	
Chloroform	ug/L	20	19.8	19.8	99	99	70-130	.03	20	
Chloromethane	ug/L	20	18.6	17.4	93	87	70-130	6	20	
cis-1,2-Dichloroethene	ug/L	20	20.8	20.7	104	104	70-130	.5	20	
cis-1,3-Dichloropropene	ug/L	20	20.6	20.0	103	100	70-130	3	20	
Dibromochloromethane	ug/L	20	20.3	20.0	101	100	70-130	1	20	
Dibromomethane	ug/L	20	21.7	21.9	108	110	70-130	1	20	
Dichlorodifluoromethane	ug/L	20	19.7	19.4	98	97	70-130	1	20	
Ethyl methacrylate	ug/L	20	20.7	20.8	103	104	70-130	.4	20	
Ethylbenzene	ug/L	20	19.2	19.5	96	98	70-130	2	20	
Hexachloro-1,3-butadiene	ug/L	20	17.5	18.5	87	93	70-130	6	20	
Isopropylbenzene (Cumene)	ug/L	20	19.7	19.4	98	97	70-130	1	20	
m&p-Xylene	ug/L	40	40.5	39.9	101	100	70-130	2	20	
Methyl methacrylate	ug/L	20	21.8	22.3	109	112	70-130	2	20	
Methyl-tert-butyl ether	ug/L	20	20.4	19.3	102	96	70-130	6	20	
Methylene Chloride	ug/L	20	20.9	19.9	104	100	70-130	5	20	
n-Butylbenzene	ug/L	20	19.6	19.2	98	96	70-130	2	20	
n-Propylbenzene	ug/L	20	19.6	19.6	98	98	70-130	.4	20	

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

LABORATORY CONTROL SAMPLE & LCSD: 554878 554879

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Naphthalene	ug/L	20	20.9	22.5	105	113	70-130	7	20	
o-Xylene	ug/L	20	20.6	20.3	103	102	70-130	1	20	
p-Isopropyltoluene	ug/L	20	19.0	18.7	95	94	70-130	1	20	
sec-Butylbenzene	ug/L	20	19.3	19.0	96	95	70-130	1	20	
Styrene	ug/L	20	20.9	20.3	104	101	70-130	3	20	
tert-Butylbenzene	ug/L	20	19.1	19.6	95	98	70-130	3	20	
Tetrachloroethene	ug/L	20	19.4	20.7	97	103	70-130	6	20	
Toluene	ug/L	20	19.0	18.9	95	94	70-130	.4	20	
Total Trihalomethanes (Calc.)	ug/L	100	100	102	100	102	70-130	1	20	
trans-1,2-Dichloroethene	ug/L	20	19.3	19.3	97	97	70-130	.1	20	
trans-1,3-Dichloropropene	ug/L	20	20.4	19.2	102	96	70-130	6	20	
trans-1,4-Dichloro-2-butene	ug/L	50	50.5	50.9	101	102	70-130	.8	20	
Trichloroethene	ug/L	20	20.1	21.2	100	106	70-130	6	20	
Trichlorofluoromethane	ug/L	20	21.9	19.0	109	95	70-130	14	20	
Vinyl chloride	ug/L	20	19.7	18.2	98	91	70-130	8	20	
Xylene (Total)	ug/L	60	61.1	60.2	102	100	70-130	1	20	
1,2-Dichloroethane-d4 (S)	%				100	97	70-130			
4-Bromofluorobenzene (S)	%				95	97	70-130			
Dibromofluoromethane (S)	%				99	99	70-130			
Toluene-d8 (S)	%				101	97	70-130			

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: PINE CITY WELL #4
Pace Project No.: 1084376

QC Batch: WETA/7496 | Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E | Analysis Description: SM4500CN-E Cyanide
Associated Lab Samples: 1084376001

METHOD BLANK: 556045 | Matrix: Water
Associated Lab Samples: 1084376001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.010	11/25/08 11:15	

LABORATORY CONTROL SAMPLE: 556046

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.04	0.043	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 556047 556048

Parameter	Units	1084376001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	.04	.04	0.040	0.036	93	84	80-120	10	30	

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: PINE CITY WELL #4
Pace Project No.: 1084376

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay
PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

1M	Sample diluted per client request
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H1	Analysis conducted outside the recognized method holding time.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
pH	Post-analysis pH measurement indicates insufficient VOA sample preservation.

PRELIMINARY

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Instrumental Research, Inc.
7800 Main Street NE
Fridley, MN 55432.
Ph. 763-571-3698 Fax. 763-571-3372

LABORATORY ANALYSIS REPORT 731-08 Thursday, December 18, 2008

MDH CERTIFIED LABORATORY 027-003-130 EPA LAB CODE MN 00076

Attn: Paul Kirchberg
Pace Analytical
1700 Elm Street, Suite 200
Minneapolis, MN 55414

Date Collected: 11/13/2008
Date Received: 11/17/2008
Collected By: Client

Parameter/Method	Sample ID	Results	MDL	IRI Reporting Limit	Analysis Date
Iron Bacteria - ID SM 19th 9240 B.	Well #4 (731-001)	Leptothrix/Crenothrix	N/A	N/A	11/17/2008

MDL = Method detection level

All analyses were performed using Minnesota Department of Health approved methodologies.

Report submitted by,

Suzanne M. Melchior

SUZANNE MELCHIOR, LABORATORY MANAGER
SM/kg

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This report must be reproduced in its entirety.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

Section A
Required Client Information:

Company:	Pace Analytical
Address:	1700 Elm Street SE
	Minneapolis, MN 55414
Email To:	paul.kirchberg@pacelabs.com
Phone: (612) 607-6323	Fax: (612) 607-6444
Requested Due Date/TAT:	standard

Section B
Required Project Information:

Report To:	Paul Kirchberg
Copy To:	
Purchase Order No.:	
Project Name:	Pine City Well #4
Project Number:	1084376

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: MN

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW WT
WATER	WW
WASTE WATER	P
PRODUCT	SL
SOIL/SOLID	OL
OIL	WP
WIPE	AR
AIR	OT
OTHER	TS
TISSUE	

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: Fe Bacteria	Pace Project No./ Lab I.D.
1	Well #4	DW	G	11/13/08	0900				1	1								x	
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
subbed to Inst. Research		11/14/08	12:00		11-17	1211
	Paul Kirchberg (PASI-MN)	11/14/08	1200			
		11-17	1315		11-17-08	1315

SAMPLE CONDITIONS: Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: | DATE Signed (MM/DD/YY):

McCall and Spero
Environmental, Inc.
Specialists in Microanalysis

1831 Williamson Court • Suite 100 • Louisville, KY 40223
Phone (502) 244-7135 • (800) 841-0180 • FAX (502) 244-7136
E-mail: customerservice@mselabs.com • Website: www.mselabs.com

Date: November 25, 2008

Attention: Paul Kirchberg
Pace Analytical

Subject: Analysis of Water Samples for Asbestos Mineral Fibers by Transmission Electron Microscopy (TEM)

RE: MSE-N188PAMW
Pine City Well #4 Project
PAM#1084376

Dear Mr. Kirchberg:

McCall and Spero Environmental, Inc. has completed the analysis of the water sample we received from your office on November 18, 2008. This sample represents the Pine City Well #4 Project PAM#1084376.

The water sample was prepared using the procedures described in: "Determination of Asbestos Structures over 10μm in Length in Drinking Water", Brackett, K.A., Clark, P.J., and Milette, J.R. EPA 600/ R-94/ 134, Method 100.2. Analytical results are expressed in asbestos concentration in million fibers per liter (MFL) greater than 10 micrometers in length.

The results for the one (1) water sample are summarized in Table I. A TEM sample analysis printout is also attached.

Thank you for consulting McCall & Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

S. Dewayne Lear

S. Dewayne Lear, B.S.
TEM Laboratory Director

SUMMARY OF TEM RESULTS

TABLE I

Water Sample Analysis

Project Name: Pine City Well #4 Project PAM#1084376

McCall and Spero Project No: MSE-N188PAMW

MSE Lab ID	Client ID	# of Asb. Fibers >10µm	Asb. Type	Aliquot Filtered (l)	Calculated Analytical Sensitivity (MFL >10µm)		Conc. (MFL >10µm)
W04	4	NFD	NA	0.1000	0.102	<	0.102

Filter Type: MCE
Filter diameter: 47mm
Effective Filter Area: 962mm²
Pore Size: 0.22µm

Mean Grid Square Area: 0.00940mm²
Grid Openings Analyzed Per Sample: 10
Area Analyzed Per Sample: 0.0940mm²
Non-Asbestos Debris: Non-Fibrous Debris

Notes:
NFD = No Fibers Detected
BDL = Below Detectable Limit
NA = Not Applicable
CH = Chrysotile
A = Amosite
MFL >10µm = Millions of asbestos fibers >10µm per liter.
Analytical results have been rounded for reporting purposes.
Results apply only to the items listed.

The analysis was performed according to the TEM Method (EPA # 600/ 4-83-043, 100.2).
This laboratory is in compliance with the specified method.
Analytical results may not be used by any party to claim product endorsement by NVLAP or any agency of the U.S. Government.

TEM Laboratory Director: S. Dewayne Lea Date: 11/25/08

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

Section A Required Client Information:

Company:	Pace Analytical
Address:	1700 Elm Street SE
	Minneapolis, MN 55414
Email To:	paul.kirchberg@pacelabs.com
Phone: (612) 607-6323	Fax: (612) 607-6444
Requested Due Date/TAT:	standard

Section B Required Project Information:

Report To:	Paul Kirchberg
Copy To:	
Purchase Order No.:	
Project Name:	Pine City Well #4
Project Number:	1084376

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: MN

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW WT
WATER	WW
WASTE WATER	P
PRODUCT	SL
SOIL/SOLID	OL
OIL	WP
WIPE	AR
AIR	OT
OTHER	TS
TISSUE	

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: Asbestos	Pace Project No./ Lab I.D.
1	Well #4	DW	G	11/13/08	0900				1	1								x	
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
subbed to M&S		11/14/08	1200		11/14/08	1200	
	Paul Kirchberg (PASI-MN)	11/14/08	1200				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

the standard in safety

Underwriters Laboratories

Laboratory Report

Client: Pace Analytical Services

Attn: Paul Kirchberg
1700 Elm Street
Suite 200
Minneapolis, MN 55414

Copies to: None

Report: 216068
Priority: Standard Written
Status: Final
PWS ID: Not Supplied
MN Lab ID: 018-999-338

Sample Information

UL ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
1976202	Well #4	531.1	11/13/08 09:00	Client	11/15/08 10:20
1976203	Well #4	505	11/13/08 09:00	Client	11/15/08 10:20
1976204	Well #4	515.3	11/13/08 09:00	Client	11/15/08 10:20
1976205	Well #4	504.1	11/13/08 09:00	Client	11/15/08 10:20
1976206	Well #4	8316	11/13/08 09:00	Client	11/15/08 10:20
1976207	Well #4	547	11/13/08 09:00	Client	11/15/08 10:20
1976208	Well #4	548.1	11/13/08 09:00	Client	11/15/08 10:20
1976209	Well #4	549.2	11/13/08 09:00	Client	11/15/08 10:20
1976210	Well #4	7110 B	11/13/08 09:00	Client	11/15/08 10:20
1976211	Well #4	7500-Ra B	11/13/08 09:00	Client	11/15/08 10:20
1976211	Well #4	7500-Ra D	11/13/08 09:00	Client	11/15/08 10:20
1976212	Well #4	200.8	11/13/08 09:00	Client	11/15/08 10:20
1976213	Well #4	7500-Rn B	11/13/08 09:00	Client	11/15/08 10:20
1976214	Well #4	525.2	11/13/08 09:00	Client	11/15/08 10:20

Report Summary

Note: Sample containers were provided by the client.

Note: The sample submitted for method 525.2 analysis was received improperly preserved as demonstrated by the pH. The sample was preserved by UL-SBN prior to analysis.

Note: The sample submitted for method 531.1 analysis was received improperly preserved as demonstrated by the pH. The sample was preserved by UL-SBN prior to analysis.

Detailed quantitative results are presented on the following pages.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call Jessie Varab at (574) 233-4777.

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Authorized Signature | Title: C.E. Manager | Date: 12/31/08

Client Name: Pace Analytical Services
Report #: 216068

Underwriters Laboratories Inc.
110 S. Hill Street, South Bend, IN 46617-2702 USA
T:: 800.332.4345 / F:: 574.233.8207 / W:: ul.com

Client Name: Pace Analytical Services

Report #: 216068

Sampling Point: Well #4

PWS ID: Not Supplied

Metals

Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
7440-61-1	Uranium	200.8	30 *	1.0	**1.8**	ug/L	11/19/08 11:23	11/25/08 15:04	1976212

Radionuclides

Analyte ID #	Analyte	Method	Reg Limit	DL**	Result	Units	Preparation Date	Analyzed	UL ID #
---	Gross Alpha	7110 B	15 *	2.8	**7.7 ± 2.7**	pCi/L	11/24/08 10:45	12/03/08 15:01	1976210
---	Gross Beta	7110 B	50 *	2.8	**8.8 ± 2.8**	pCi/L	11/24/08 10:45	12/03/08 15:01	1976210
13982-63-3	Radium-226	7500-Ra B	---	0.2	**2.2 ± 0.4**	pCi/L	12/01/08 09:50	12/26/08 08:41	1976211
15262-20-1	Radium-228	7500-Ra D	---	0.7	**3.7 ± 0.6**	pCi/L	12/01/08 09:50	12/03/08 12:42	1976211
---	Combined Radium	calc.	5 *	---	**5.9 ± 0.7**	pCi/L	12/01/08 09:50	12/26/08 08:41	1976211
10043-92-2	Radon-222	7500-Rn B	---	25.0	**49.7 ± 16.9**	pCi/L	11/17/08 13:20	11/17/08 20:05	1976213

** Detection Limit (DL) shall be that concentration which can be counted with a precision of plus or minus 100% at the 95 % confidence level.

Semi-volatile Organic Chemicals

Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed	UL ID #
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	504.1	0.2 *	0.01	< 0.01	ug/L	11/19/08 13:22	11/20/08 01:58	1976205
106-93-4	1,2-Dibromoethane (EDB)	504.1	0.05 *	0.01	< 0.01	ug/L	11/19/08 13:22	11/20/08 01:58	1976205
12674-11-2	Aroclor 1016	505	---	0.08	< 0.08	ug/L	11/19/08 10:07	11/19/08 21:01	1976203
11104-28-2	Aroclor 1221	505	---	0.19	< 0.19	ug/L	11/19/08 10:07	11/19/08 21:01	1976203
11141-16-5	Aroclor 1232	505	---	0.23	< 0.23	ug/L	11/19/08 10:07	11/19/08 21:01	1976203
53469-21-9	Aroclor 1242	505	---	0.26	< 0.26	ug/L	11/19/08 10:07	11/19/08 21:01	1976203
12672-29-6	Aroclor 1248	505	---	0.1	< 0.1	ug/L	11/19/08 10:07	11/19/08 21:01	1976203
11097-69-1	Aroclor 1254	505	---	0.1	< 0.1	ug/L	11/19/08 10:07	11/19/08 21:01	1976203
11096-82-5	Aroclor 1260	505	---	0.2	< 0.2	ug/L	11/19/08 10:07	11/19/08 21:01	1976203
57-74-9	Chlordane	505	2 *	0.1	< 0.1	ug/L	11/19/08 10:07	11/19/08 21:01	1976203
8001-35-2	Toxaphene	505	3 *	1.0	< 1.0	ug/L	11/19/08 10:07	11/19/08 21:01	1976203
94-75-7	2,4-D	515.3	70 *	0.1	< 0.1	ug/L	11/19/08 09:25	11/23/08 01:25	1976204
75-99-0	Dalapon	515.3	200 *	1.0	< 1.0	ug/L	11/19/08 09:25	11/23/08 01:25	1976204
88-85-7	Dinoseb	515.3	7 *	0.1	< 0.1	ug/L	11/19/08 09:25	12/01/08 15:22	1976204
1918-02-1	Picloram	515.3	500 *	0.1	< 0.1	ug/L	11/19/08 09:25	12/01/08 15:22	1976204
93-72-1	2,4,5-TP (Silvex)	515.3	50 *	0.1	< 0.1	ug/L	11/19/08 09:25	11/23/08 01:25	1976204
15972-60-8	Alachlor	525.2	2 *	0.1	< 0.1	ug/L	11/20/08 07:30	11/21/08 10:06	1976214
1912-24-9	Atrazine	525.2	3 *	0.1	< 0.1	ug/L	11/20/08 07:30	11/21/08 10:06	1976214
50-32-8	Benzo[a]pyrene	525.2	0.2 *	0.02	< 0.02	ug/L	11/20/08 07:30	11/21/08 10:06	1976214
58-89-9	gamma-BHC (Lindane)	525.2	0.2 *	0.02	< 0.02	ug/L	11/20/08 07:30	11/21/08 10:06	1976214
103-23-1	Di(2-ethylhexyl)adipate	525.2	400 *	0.6	< 0.6	ug/L	11/20/08 07:30	11/21/08 10:06	1976214
117-81-7	Di(2-ethylhexyl)phthalate	525.2	6 *	0.6	< 0.6	ug/L	11/20/08 07:30	11/21/08 10:06	1976214
72-20-8	Endrin	525.2	2 *	0.01	< 0.01	ug/L	11/20/08 07:30	11/21/08 10:06	1976214
76-44-8	Heptachlor	525.2	0.4 *	0.04	< 0.04	ug/L	11/20/08 07:30	11/21/08 10:06	1976214
1024-57-3	Heptachlor epoxide	525.2	0.2 *	0.02	< 0.02	ug/L	11/20/08 07:30	11/21/08 10:06	1976214
118-74-1	Hexachlorobenzene	525.2	1 *	0.1	< 0.1	ug/L	11/20/08 07:30	11/21/08 10:06	1976214
77-47-4	Hexachlorocyclopentadiene	525.2	50 *	0.1	< 0.1	ug/L	11/20/08 07:30	11/21/08 10:06	1976214

72-43-5	Methoxychlor	525.2	40 *	0.1	< 0.1	ug/L	11/20/08 07:30	11/21/08 10:06	1976214
122-34-9	Simazine	525.2	4 *	0.07	< 0.07	ug/L	11/20/08 07:30	11/21/08 10:06	1976214
116-06-3	Aldicarb	531.1	---	0.5	< 0.5	ug/L	12/01/08 10:00	12/03/08 09:53	1976202
1646-88-4	Aldicarb sulfone	531.1	---	0.7	< 0.7	ug/L	12/01/08 10:00	12/03/08 09:53	1976202
1646-87-3	Aldicarb sulfoxide	531.1	---	0.5	< 0.5	ug/L	12/01/08 10:00	12/03/08 09:53	1976202
1563-66-2	Carbofuran	531.1	40 *	0.9	< 0.9	ug/L	12/01/08 10:00	12/03/08 09:53	1976202
23135-22-0	Oxamyl	531.1	200 *	1.0	< 1.0	ug/L	12/01/08 10:00	12/03/08 09:53	1976202
1071-83-6	Glyphosate	547	700 *	6.0	< 6.0	ug/L	11/20/08 08:45	11/21/08 20:36	1976207
145-73-3	Endothall	548.1	100 *	9.0	< 9.0	ug/L	11/18/08 07:30	11/19/08 17:46	1976208
85-00-7	Diquat	549.2	20 *	0.4	< 0.4	ug/L	11/19/08 07:30	11/19/08 16:03	1976209
79-06-1	Acrylamide	8316	---	5.0	< 5.0	ug/L	11/18/08 12:10	11/18/08 19:15	1976206

Any positive Aroclor result would require analysis for total PCB as decachlorobiphenyl by method 508A (MCL = 0.5 ug/L)

† UL has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

Reg Limit Type:	MCL	SMCL	AL
Symbol:	*	^	!

Pace Analytical
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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Batch 216068

170060

Page: 1 of 1

Section A Required Client Information:

Company:	Pace Analytical
Address:	1700 Elm Street SE
	Minneapolis, MN 55414
Email To:	paul.kirchberg@pacelabs.com
Phone: (612) 607-6323	Fax: (612) 607-6444
Requested Due Date/TAT:	standard

Section B Required Project Information:

Report To:	Paul Kirchberg
Copy To:	
Purchase Order No.:	
Project Name:	Pine City Well #4
Project Number:	1084376

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

NPDES, GROUND WATER, DRINKING WATER, UST, RCRA, OTHER

Site Location STATE: MN

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW WT
WATER	WW
WASTE WATER	P
PRODUCT	SL
SOIL/SOLID	OL
OIL	WP
WIPE	AR
AIR	OT
OTHER	TS
TISSUE	

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Carbamates (531.1)	PCBs/Chlordane/Toxaphene (505)	Herbicides (515.3)	EDB & DBCP (504.1)	Acrylamide (8316)	Glyphosate (547)	Endothall (548.1)	Diquat (549.2)	Gross Alpha/Beta	Radium 226/228	Uranium	Radon	SVOCs (525.2)	Pace Project No./ Lab I.D.
1	Well #4	DW	G	11/13/08	0900				29	5	1	4			19				x	x	x	x	x	x	x	x	x	x	x	x		
2																				X												
3	531.1 - Aldicarb, Aldicarbsulfoxide, Oxamyl, Aldicarb sulfone, Carbofuran																				X											
4	515.3 - 2,4-D, Dinoseb, Picloram, Dalapon, PCP, 2,4,5-T,P																					X										
5																							X									
6	525.2 - Atrazine, Simazine, Alachlor, Endrin, Lindane, Heptachlor, Heptachlor epoxide, Hexachlorobenzene, Hexachloropentadiene, Methoxychlor, Benzo(a)pyrene, Di(2-ethylhexyl)adipate, Di(2-ethylhexyl)phthalate																							X								
7																									X							
8																										X						
9																											X					PHL255
10																												X				↓
11																													X			↓
12																														X		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	X SAMPLE CONDITIONS		
	Paul Kirchberg (PASI-MN)	11/14/08	1200	Patti Wright	11/15/08	10:20	.8	Y	Y	Y
		11/14/08	1200						

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

531 is not preserved w/ McAA buffer SS 11-17-08

Emailed Paul Kirchberg 11/18/08 @ 7:34AM - KH

Preserve + proceed per Paul 11/18/08 @ 9:37AM - KH

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www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1084376

Section A Required Client Information:

Company:	Keys Well Drilling
Address:	1156 Homer Street
	St. Paul, MN 55116
Email To:	jkeys@keyswell.com
Phone: (651) 646-7871	Fax: (651) 641-0216
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Jeff Keys
Copy To:	
Purchase Order No.:	
Project Name:	Pine City Well #4
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	19994

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: MN

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW WT
WATER	WW
WASTE WATER	P
PRODUCT	SL
SOIL/SOLID	OL
OIL	WP
WIPE	AR
AIR	OT
OTHER	TS
TISSUE	

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOC (624)	Alkalinity/TDS/Turbidity	Anions (Cl/Fl/Nitrate/Nitrite/Sulfate)	Metals & Hardness (200.8/245.1)*	Ammonia	Cyanide	Iron Bacteria	Asbestos	TOC	Total Coliform	Dioxin	Carbon Dioxide calc. **	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Well #4	DW	G	11/13	0900			50	42	7	3	5		1	26				x	x	x	x	x	x	x	x	x	x	x			001
2	Trip Blank	DW	G						2										x													002
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
*Metals - Sb, As, Ba, Be, Cd, Ca, Cr, Fe, Pb, Mg, Mn, Cu, Ni, K, Na, Se, Tl, Hg, Hardness	Jeff Keys	11/13	1046	Pace	11/13	1049
**sample temp at time of collection is needed to calculate CO_2 content						

SAMPLE CONDITIONS	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	8.4	N	N	Y
	6.2	N	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jeff Keys

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 11/13/08

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1084376

Section A Required Client Information:

Company:	Keys Well Drilling
Address:	1156 Homer Street
	St. Paul, MN 55116
Email To:	jkeys@keyswell.com
Phone: (651) 646-7871	Fax: (651) 641-0216
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Jeff Keys
Copy To:	
Purchase Order No.:	Pine City Well #4
Project Name:	~~Stillwater #12 Test Well~~
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	19994

REGULATORY AGENCY

NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location STATE: MN

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW WT
WATER	WW
WASTE WATER	P
PRODUCT	SL
SOIL/SOLID	OL
OIL	WP
WIPE	AR
AIR	OT
OTHER	TS
TISSUE	

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Carbamates (531.1)	PCBs/Chlordane/Toxaphene (505)	Herbicides (515.3)	EDB & DBCP (504.1)	Acrylamide (8316)	Glyphosate (547)	Endothall (548.1)	Diquat (549.2)	Gross Alpha/Beta	Radium 226/228	Uranium	Radon	SVOCs (625.2)	Pace Project No./ Lab I.D.
1	Well #4	DW	G	11/13	0900			5C											x	x	x	x	x	x	x	x	x	x	x	x	x	001
2																																002
3	531.1 - Aldicarb, Aldicarbsulfoxide, Oxamyl, Aldicarb sulfone, Carbofuran																															
4																																
5	515.3 - 2,4-D, Dinoseb, Picloram, Dalapon, PCP, 2,4,5-T,P																															
6	525.2 - Atrazine, Simazine, Alachlor, Endrin, Lindane, Heptachlor, Heptachlor epoxide, Hexachlorobenzene, Hexachloropentadiene, Methoxychlor, Benzo(a)pyrene, Di(2-ethylhexyl)adipate, Di(2-ethylhexyl)phthalate																															
7																																
8																																
9																																
10																																
11																																
12																																

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Jeff Keys	11/13	1046	RACE	11/13	1044	8.4	N	N	Y
							6.2	N	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jeff Keys

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11/13/08

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Sample Condition Upon Receipt

Pace Analytical

Client Name: KEYSWELL DRILLING Project # 1084376

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____ Temp Blank: Yes X No _____

Thermometer Used ~~80344842~~, 179425 Type of Ice: Wet Blue (None) ☐ Samples on ice, cooling process has begun

Cooler Temperature 8.4/6.2°C Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: _____

		Comments:
Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☒Yes ☐No ☐N/A	6. TURBIDITY/T.COLIFORM/NITRATE/NITRITE
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☐Yes ☒No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		NO LABELS ON SAMPLE
All containers needing acid/base preservation have been checked. Noncompliance are noted in 13.	☒Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☒Yes ☐No ☐N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☒Yes ☐No	Initial when completed: P Lot # of added preservative:
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	15.
Trip Blank Present:	☒Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 100608-3		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** _____

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)