APPENDIX C

GROUNDWATER SAMPLING LOGS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-01000
Purge Date:
Sampling Date: 3/17/2006
Samplers: Paul A. Kies/Mike Tavakolian of Parsons/Somerset, NJ

SAMPLE ID: MW-7
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 7.82
Depth to Well Bottom (TOC): 11.55

CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	3.73	x 0.16 =	0.60	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor : PID = 0.0 ppm; Hydrocarbon like odor
Other : Color = yellow

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	9:05	9:10	9:15	9:20	9:25	9:30	9:35	9:40
Depth To Water (TOC) (ft)	7.82	8.40	8.64	8.61	9.10	9.57	9.72	10.15
Depth To Pump (TOC) (ft)	~11	~11	~11	~11	~11	~11	~11	~11
Flow Rate (ml/min)	NA	~100	~100	~100	~100	~100	~100	~100
Volume of Water Purged	NA	0.20	0.40	0.60	0.80	1.00	1.20	1.40
pH (s.u.)	NA	11.17	11.24	11.23	11.40	11.62	11.63	11.52
Conductivity (umhos)	NA	7.6	7.25	7.33	7.59	7.69	7.76	7.76
Turbidity (NTUs)	NA	105.00	95.80	97.00	61.00	63.00	43.00	46.00
Dissolved Oxygen (mg/L)	NA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Temperatrue (Degrees C)	NA	8.97	9.8	9.88	10.37	10.67	10.74	10.92
ORP (eV)	NA	-282	-292	-287	-326	-317	-313	-315
Salinity (%)	NA	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TDS (g/L)	NA	4.6	4.6	4.6	4.8	4.8	4.8	4.8

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory Chemtech and STL Pittsburg

Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-01000
Purge Date:
Sampling Date: 3/17/2006
Samplers: Paul A. Kies/Mike Tavakolian of Parsons/Somerset, NJ

SAMPLE ID: MW-7 (cont)
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 7.82
Depth to Well Bottom (TOC): 11.55

CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	3.73	x 0.16 =	0.60	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor : PID = 0.0 ppm; Hydrocarbon like odor
Other : Color = yellow

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	9:45							
Depth To Water (TOC) (ft)	10.89							
Depth To Pump (TOC) (ft)	~11							
Flow Rate (ml/min)	~100							
Volume of Water Purged	1.60							
pH (s.u.)	11.60							
Conductivity (umhos)	7.02							
Turbidity (NTUs)	46.10							
Dissolved Oxygen (mg/L)	0.00							
Temperatrue (Degrees C)	11.01							
ORP (eV)	-318.00							
Salinity (%)	-							
TDS (g/L)	4.80							

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory Chemtech and STL Pittsburg

Other Notes: Sample @ 1000; ~2 gallons purged

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-01000
Purge Date:
Sampling Date: 3/17/2006
Samplers: Paul A. Kies/Mike Tavakolian of Parsons/Somerset, NJ

SAMPLE ID: MW-8
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 8.83
Depth to Well Bottom (TOC): 30.60

CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	21.77	x 0.16 =	3.48	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor : PID = 15.5
Other :

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	1:30	1:35	1:40	1:45	1:50	1:55	2:00	2:05
Depth To Water (TOC) (ft)	8.83	8.86	8.86	8.86	8.86	8.86	8.86	8.86
Depth To Pump (TOC) (ft)	~25	~25	~25	~25	~25	~25	~25	~25
Flow Rate (ml/min)	NA	~300	~300	~300	~300	~300	~300	~300
Volume of Water Purged	NA	~.75	~2.25	~2.25	~3	~3.75	~4.5	~5.25
pH (s.u.)	NA	7.12	7.08	7.08	7.09	7.11	7.11	7.16
Conductivity (umhos)	NA	4.72	4.86	4.86	4.83	4.83	4.83	4.85
Turbidity (NTUs)	NA	82.40	49.10	49.10	41.80	10.80	10.80	52.20
Dissolved Oxygen (mg/L)	NA	6.57	3.79	3.79	2.38	1.62	1.62	3.09
Temperatrue (Degrees C)	NA	10.62	11.31	11.31	10.96	10.67	10.67	11.1
ORP (eV)	NA	-169	-162	-162	-159	-164	-164	-163
Salinity (%)	NA	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TDS (g/L)	NA	3	3.1	3.1	3.1	3.1	3.1	3.1

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory Chemtech and STL Pittsburg

Other Notes: MS/MD collected @ MW-8

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-01000
Purge Date:
Sampling Date: 3/17/2006
Samplers: Paul A. Kies/Mike Tavakolian of Parsons/Somerset, NJ

SAMPLE ID: MW-8 (cont)
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 8.83
Depth to Well Bottom (TOC): 30.60

CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	21.77	x 0.16 =	3.48	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor : PID = 15.5; hydrocarbon like odor
Other :

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	2:10	2:15	2:20	2:25	2:30	2:35	2:40	3:00
Depth To Water (TOC) (ft)	8.86	8.86	8.86	8.86	8.86	8.86	8.86	NA
Depth To Pump (TOC) (ft)	~25	~25	~25	~25	~25	~25	~25	NA
Flow Rate (ml/min)	~300	~300	~300	~300	~300	~300	~300	NA
Volume of Water Purged	~6.0	~6.75	~7.5	~8.25	~9	~9.75	~10.5	NA
pH (s.u.)	7.14	7.12	7.13	7.18	7.16	7.18	7.15	NA
Conductivity (umhos)	4.69	4.65	4.64	4.85	4.62	4.71	4.66	NA
Turbidity (NTUs)	47.90	47.30	0.00	7.10	13.90	31.20	14.70	NA
Dissolved Oxygen (mg/L)	4.06	5.08	11.17	4.23	6.35	4.73	6.95	NA
Temperatrue (Degrees C)	11.16	11.3	11.28	11.22	11.15	11.16	11.2	NA
ORP (eV)	-159.00	-153	-155	-155	-152	-153	-155	NA
Salinity (%)	0.20	0.2	0.2	0.2	0.2	0.2	0.2	NA
TDS (g/L)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	NA

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory Chemtech and STL Pittsburg

Other Notes: MS/MD collected @ MW-8
~10.5 gallons purged

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-01000
Purge Date:
Sampling Date: 3/17/2006
Samplers: Paul A. Kies/Mike Tavakolian of Parsons/Somerset, NJ

SAMPLE ID: MW-9
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 11.16
Depth to Well Bottom (TOC): 24.90 (NAPL on purge)

CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	13.74	x 0.16 =	2.20	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor : Hydrocarbon like odor; Rainbow sheen on water sample
Other : Color = clear; NAPL on probe at bottom

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	11:30	11:35	11:40	11:45	11:50	11:55	12:00	12:05
Depth To Water (TOC) (ft)	11.16	13.35	13.55	13.75	13.80	13.84	13.90	13.94
Depth To Pump (TOC) (ft)	~20	~20	~20	~20	~20	~20	~20	~20
Flow Rate (ml/min)	NA	~250	~200	~200	~200	~200	~200	~200
Volume of Water Purged	NA	~.5	~1.0	~1.5	~2	~2.5	~3	~3.5
pH (s.u.)	NA	7.62	7.45	7.29	7.27	7.25	7.2	7.19
Conductivity (umhos)	NA	3.02	2.98	2.85	2.71	2.85	2.65	2.82
Turbidity (NTUs)	NA	133.00	114.00	82.00	58.40	46.50	11.40	6.40
Dissolved Oxygen (mg/L)	NA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Temperatrue (Degrees C)	NA	13.36	13.2	13.85	13.36	13.35	13.77	13.35
ORP (eV)	NA	-179	-181	-184	-184	-184	-185	-184
Salinity (%)	NA	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TDS (g/L)	NA	1.9	1.9	1.9	1.8	1.8	1.7	1.9

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory Chemtech and STL Pittsburg

Other Notes: Duplicate sample collected = MW-900
Sample collected @ 12:50

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-01000
Purge Date:
Sampling Date: 3/17/2006
Samplers: Paul A. Kies/Mike Tavakolian of Parsons/Somerset, NJ

SAMPLE ID: MW-9 (cont)
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 11.16
Depth to Well Bottom (TOC): 24.90 (NAPL on purge)

CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	13.74	x 0.16 =	2.20	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor : Hydrocarbon like odor; Rainbow sheen on water sample
Other : Color = clear; NAPL on probe at bottom

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	12:10	12:15	12:20	12:25	12:30	12:35	12:40	12:50
Depth To Water (TOC) (ft)	13.92	14.00	14.08	14.08	14.08	14.08	14.08	NA
Depth To Pump (TOC) (ft)	~20	~20	~20	~20	~20	~20	~20	NA
Flow Rate (ml/min)	~200	~200	~200	~200	~200	~200	~200	NA
Volume of Water Purged	~4	~4.5	~5.0	~5.5	~6	~6.5	~7	NA
pH (s.u.)	7.16	7.12	7.12	7.11	7.11	7.11	7.11	NA
Conductivity (umhos)	2.85	2.84	2.8	2.8	2.81	2.88	2.87	NA
Turbidity (NTUs)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
Dissolved Oxygen (mg/L)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
Temperatrue (Degrees C)	13.48	13.93	13.79	13.82	14.03	13.84	13.9	NA
ORP (eV)	-184.00	-184	-183	-184	-182	-180	-181	NA
Salinity (%)	0.10	0.1	0.1	0.1	0.1	0.1	0.1	NA
TDS (g/L)	1.80	1.8	1.8	1.8	1.8	1.8	1.8	NA

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory Chemtech and STL Pittsburg

Other Notes: ~7 gallons purged

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-01000
Purge Date:
Sampling Date: 3/31/2006
Samplers: Paul A. Kies of Parsons/Somerset, NJ

SAMPLE ID: MW-10
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 9.20
Depth to Well Bottom (TOC): 14.65

CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	5.45	x 0.16 =	0.87	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor : PID = 40.3 - Odor = Slight hydrocarbon like odor
Other : Color = clear

FIELD TESTS

	BEGIN	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	0755	0800	0805	0810	0815	0820	0825	0830
Depth To Water (TOC) (ft)	9.20	9.90	10.10	10.15	10.15	10.15	10.15	10.15
Depth To Pump (TOC) (ft)	~13	~13	~13	~13	~13	~13	~13	~13
Flow Rate (ml/min)	NA	~250	~250	~250	~250	~250	~250	~250
Volume of Water Purged	NA	~.4	~.8	~1.20	~1.60	~2.0	~2.4	~2.8
pH (s.u.)	NA	7.20	7.16	7.16	7.14	7.14	7.14	7.13
Conductivity (umhos)	NA	2.5	2.4	2.4	2.4	2.41	2.4	2.4
Turbidity (NTUs)	NA	66.00	15.00	0.00	0.00	0.00	0.00	0.00
Dissolved Oxygen (mg/L)	NA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Temperatrue (Degrees C)	NA	15.60	16.10	16.00	16.10	16.10	16.10	16.10
ORP (eV)	NA	-130	-135	-130	-129	-131	-132	-134
Salinity (%)	NA	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TDS (g/L)	NA	1.6	1.6	1.6	1.6	1.6	1.6	1.6

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory Chemtech and STL Pittsburg

Other Notes: 0845 Parsons collected sample
~3.6 gallons purged

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-01000
Purge Date:
Sampling Date: 3/31/2006
Samplers: Paul A. Kies of Parsons/Somerset, NJ

SAMPLE ID: MW-10 (cont)
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 9.20
Depth to Well Bottom (TOC): 14.65

CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	5.45	x 0.16 =	0.87	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor : PID = 40.3 - Odor = Slight hydrocarbon like odor
Other : Color = clear

FIELD TESTS

	PURGE	PURGE	SAMPLE					
Time	0835	0840	0845					
Depth To Water (TOC) (ft)	10.15	10.15						
Depth To Pump (TOC) (ft)	~13	~13						
Flow Rate (ml/min)	~250	~250						
Volume of Water Purged	~3.2	~3.6						
pH (s.u.)	7.12	7.12						
Conductivity (umhos)	2.40	2.4						
Turbidity (NTUs)	0.00	0.00						
Dissolved Oxygen (mg/L)	0.00	0.00						
Temperatrue (Degrees C)	16.10	16.10						
ORP (eV)	-133	-132						
Salinity (%)	0.10	0.1						
TDS (g/L)	1.60	1.6						

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory Chemtech and STL Pittsburg

Other Notes: 0845 Parsons collected sample
~3.6 gallons purged

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-05000
Purge Date:
Sampling Date: 5/22/2007
Samplers: Paul A. Kies/Coley Campbell of Parsons/Somerset, NJ

SAMPLE ID: MW-2
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 8.29
Depth to Well Bottom (TOC): 15.10

CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	6.81	x 0.16 =	1.09	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor : PID = 0.0 ppm; Hydrocarbon like odor
Other : Color = Light grey

FIELD TESTS

	Begin	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	9:10	9:15	9:20	9:25	9:30	9:35	9:40	9:45
Depth To Water (TOC) (ft)	8.29	9.57	10.60	11.05	11.90	12.80	12.95	
Depth To Pump (TOC) (ft)	~11	~11	~11	~12	~13	~13	~13	
Flow Rate (ml/min)		~200	~175	~175	~175	~175	~175	
Volume of Water Purged		~.25	~.50	~.75	~1.0	~1.25	~1.50	
pH (s.u.)		7.06	7.02	6.86	7.07	6.77	6.68	
Conductivity (umhos)		0.742	0.733	0.734	0.747	0.754	0.749	DRY
Turbidity (NTUs)		77.20	65.90	60.60	93.90	85.10	105.00	
Dissolved Oxygen (mg/L)		0.44	0.27	0.39	0.00	0.37	0.32	
Temperatrue (Degrees C)		17.07	16.81	16.96	15.85	16.4	17.04	
ORP (eV)		-77	-83	-77	-96	-77	-93	
Salinity (%)		0	0	0	0	0	0	
TDS (g/L)		0.48	0.47	0.47	0.47	0.48	0.48	

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory: Chemtech and STL Pittsburg

Other Notes: GW Level in sump @ 9:45- below screen
Sample @ 1300

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-05000
Purge Date:
Sampling Date: 5/22/2007
Samplers: Paul A. Kies/Coley Campbell of Parsons/Somerset, NJ

SAMPLE ID: MW-2 (cont.)
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 8.29
Depth to Well Bottom (TOC): 15.10

CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	6.81	x 0.16 =	1.09	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor : PID = 15.5
Other :

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	11:35	11:40	11:45	11:50				13:00
Depth To Water (TOC) (ft)	9.25	10.85	12.80					9.50
Depth To Pump (TOC) (ft)	~13	~13	~13					
Flow Rate (ml/min)	~175	~175	~175					
Volume of Water Purged		~1.75	~2.0					
pH (s.u.)		6.61	6.58					
Conductivity (umhos)		0.751	0.746	DRY				
Turbidity (NTUs)		203.00	145.00					
Dissolved Oxygen (mg/L)		1.90	1.38					
Temperatrue (Degrees C)		16.54	16.03					
ORP (eV)		-44	-56					
Salinity (%)		0	0					
TDS (g/L)		0.48	0.48					

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory: Chemtech and STL Pittsburg

Other Notes: Recharge @ 11:35/ resume purging
11:50 GW level below Screen

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-05000
Purge Date:
Sampling Date: 5/22/2007
Samplers: Paul A. Kies/John Scurek of Parsons/Somerset, NJ

SAMPLE ID: MW-5
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 1.64
Depth to Well Bottom (TOC): 14.20

CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	12.56	x 0.16 =	2.01	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor :
Other :

FIELD TESTS

	BEGIN	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	7:46	7:53	8:08	8:15	8:23	8:30	8:38	8:44
Depth To Water (TOC) (ft)	1.64	2.03	2.46	2.64	2.77	2.83	2.92	2.93
Depth To Pump (TOC) (ft)	~10	~10	~10	~10	~10	~10	~10	~10
Flow Rate (ml/min)		300	300	300	300	300	300	300
Volume of Water Purged		0.50	1.50	2.00	2.50	3.00	3.50	4.00
pH (s.u.)		12.02	11.97	11.95	11.92	11.90	11.84	11.83
Conductivity (umhos)		2.06	1.95	1.92	1.89	1.84	1.77	1.74
Turbidity (NTUs)		91.90	42.00	26.50	25.90	23.10	16.20	17.80
Dissolved Oxygen (mg/L)		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Temperatrue (Degrees C)		14.45	15.23	15.12	14.93	14.89	14.72	14.78
ORP (eV)		-122	-145	-162	-179	-190	-210	-216
Salinity (%)		0.1	0.1	0.1	0.1	0.1	0.1	0.1
TDS (g/L)		1.3	1.2	1.2	1.2	1.2	1.1	1.1

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory: Chemtech and STL Pittsburg

Other Notes:
Sampled Collected @ 9:20

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-05000
Purge Date:
Sampling Date: 5/22/2007
Samplers: Paul A. Kies/John Scurek of Parsons/Somerset, NJ

SAMPLE ID: MW-5(cont)
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 1.64
Depth to Well Bottom (TOC): 14.20

CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	12.56	x 0.16 =	2.01	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor :
Other :

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE	PURGE	PURGE
Time	8:47	8:54	9:00	9:07	9:15	9:20		
Depth To Water (TOC) (ft)	2.94	2.95	2.95	2.95	2.95	2.95		
Depth To Pump (TOC) (ft)	~10	~10	~10	~10	~10	~10		
Flow Rate (ml/min)	250.00	250.00	250.00	250.00	250.00	250.00		
Volume of Water Purged	4.50	5.00	5.50	6.00	6.50	7.00		
pH (s.u.)	11.79	11.71	11.65	11.63	11.59	11.57		
Conductivity (umhos)	1.69	1.6	1.53	1.5	1.47	1.46		
Turbidity (NTUs)	20.70	21.00	12.80	12.60	12.60	12.50		
Dissolved Oxygen (mg/L)	0.00	0.00	0.00	0.00	0.00	0.00		
Temperatrue (Degrees C)	14.59	14.34	14.35	14.35	14.34	14.32		
ORP (eV)	-224.00	-230	-231	-233	-233	-234		
Salinity (%)	0.10	0.1	0.1	0.1	0.1	0.1		
TDS (g/L)	1.10	1	1	0.9	0.9	0.9		

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory: Chemtech and STL Pittsburg

Other Notes: 0920 Parsons collected sample

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-05000
Purge Date:
Sampling Date: 5/10/2007
Samplers: Paul A. Kies/Scott Dillman of Parsons/Somerset, NJ

SAMPLE ID: MW-7
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 7.65
Depth to Well Bottom (TOC): 11.55

CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	3.90	x 0.16 =	0.62	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor : PID= 0.0ppm Hydrocarbon like odor
Other : Color:Yellowish stain in water

FIELD TESTS

	BEGIN	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	13:30	13:35	13:40	13:45	13:50	13:55	14:00	14:05
Depth To Water (TOC) (ft)	7.65	8.18	8.40	8.53	8.71	9.05	9.44	9.56
Depth To Pump (TOC) (ft)	~11	~11	~11	~11	~11	~11	~11	~11
Flow Rate (ml/min)		230	190	180	180	180	180	180
Volume of Water Purged								2.00
pH (s.u.)		8.22	8.21	8.61	8.91	9.40	9.42	9.45
Conductivity (umhos)		6.26	6.2	6.24	6.26	6.31	6.27	6.25
Turbidity (NTUs)		117.00	63.30	54.00	38.50	30.20	26.70	26.90
Dissolved Oxygen (mg/L)		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Temperatrue (Degrees C)		15.27	15.41	15.89	15.96	15.57	15.39	15.36
ORP (eV)		-132	-146	-145	-149	-161	-160	-161
Salinity (%)		0.33	0.33	0.33	0.33	0.34	0.33	0.33
TDS (g/L)		3.94	3.9	3.93	3.94	3.98	3.95	3.93

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory: Chemtech and STL Pittsburg

Other Notes: Purged 2 gallons
Sampled Collected @ 14:20

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-05000
Purge Date:
Sampling Date: 5/22/2007
Samplers: Paul A. Kies/John Scien of Parsons/Somerset, NJ

SAMPLE ID: MW-8
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 8.70
Depth to Well Bottom (TOC): 30.65

CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	21.95	x 0.16 =	3.51	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor : PID = 0.0 ppm; Strong Hydrocarbon like odor
Other :

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	14:10	14:15	14:20	14:25	14:30	14:35	14:40	14:45
Depth To Water (TOC) (ft)	8.72	8.72	8.72	8.72	8.72	8.72	8.72	
Depth To Pump (TOC) (ft)	~25	~25	~25	~25	~25	~25	~25	
Flow Rate (ml/min)	~352	~350	~350	~350	~350	~350	~350	
Volume of Water Purged	~6.0	~7.0	~7.75	~8.75	~9.5	~10.25	~11	
pH (s.u.)	7.21	7.21	7.21	7.21	7.21	7.21	7.21	
Conductivity (umhos)	3.87	3.91	4.2	4.18	4.17	4.16	4.16	
Turbidity (NTUs)	23.50	12.70	9.84	10.20	12.20	12.70	16.20	
Dissolved Oxygen (mg/L)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Temperatrue (Degrees C)	12.66	12.71	12.75	12.5	12.58	12.59	12.65	
ORP (eV)	-183	-182	-181	-181	-181	-181	-181	
Salinity (%)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
TDS (g/L)	2.80	2.7	2.7	2.7	2.7	2.7	2.7	

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory: Chemtech and STL Pittsburg

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-05000
Purge Date:
Sampling Date: 5/10/2007
Samplers: Paul A. Kies/Scott Dillman of Parsons/Somerset, NJ

SAMPLE ID: MW-10
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING
Static Water Level (TOC): 9.10
Depth to Well Bottom (TOC): 14.80
CALCULATIONS: Ft. of Water in Well X (GAL / FT) = Gallons
2-inch Casing: Ft. of Water 5.70 x 0.16 = 0.91 Gallons
3-inch Casing: Ft. of Water in Well x 0.32 = Gallons
4-inch Casing: Ft. of Water in Well x 0.64 = Gallons
Method: Low Flow Pump

SAMPLE DESCRIPTION
Odor : PID= 0.0ppm
Other :
FIELD TESTS

	BEGIN	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	8:00	8:10	8:15	8:20	8:25	8:30	8:35	8:40
Depth To Water (TOC) (ft)	9.10	9.58	9.62	9.62	9.62	9.62	9.62	9.62
Depth To Pump (TOC) (ft)	~13	~13	~13	~13	~13	~13	~13	~13
Flow Rate (ml/min)		~200	~200	~200	~200	~200	~200	~200
Volume of Water Purged		~.25	~.5	~.75	~1	~1.25	~1.50	~1.75
pH (s.u.)		7.21	7.18	7.17	7.15	7.15	7.14	7.14
Conductivity (umhos)		2.83	2.83	2.82	2.82	2.82	2.82	2.81
Turbidity (NTUs)		101.00	93.70	87.10	81.80	77.00	73.30	70.30
Dissolved Oxygen (mg/L)		0.76	0.98	0.96	0.82	0.60	0.33	0.10
Temperatrue (Degrees C)		15.00	14.97	14.94	14.90	14.89	14.88	14.88
ORP (eV)		-146.00	-148.00	-149.00	-150.00	-151.00	-151.00	-152.00
Salinity (%)		0.14	0.14	0.14	0.14	0.14	0.14	0.14
TDS (g/L)		1.81	1.81	1.81	1.81	1.8	1.8	1.8

SAMPLE ANALYSIS / LABORATORY
Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory: Chemtech and STL Pittsburg

Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-05000
Purge Date:
Sampling Date: 5/10/2007
Samplers: Paul A. Kies/Scott Dillman of Parsons/Somerset, NJ
SAMPLE ID: MW-10(cont)
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 9.10
Depth to Well Bottom (TOC): 14.80

CALCULATIONS: Ft. of Water in Well X (GAL / FT) = Gallons
2-inch Casing: Ft. of Water 5.70 x 0.16 = 0.91 Gallons
3-inch Casing: Ft. of Water in Well x 0.32 = Gallons
4-inch Casing: Ft. of Water in Well x 0.64 = Gallons
Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor : PID= 0.0ppm
Other :

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	8:45	8:50	8:55	9:00	9:05	9:10	9:15	9:20
Depth To Water (TOC) (ft)	9.75	9.75	9.75	9.71	9.74	9.75	9.75	9.75
Depth To Pump (TOC) (ft)	~13	~13	~13	~13	~13	~13	~13	~13
Flow Rate (ml/min)	~200	~200	~200	~200	~200	~200	~200	~200
Volume of Water Purged	~2.0	~2.25	~2.5	~2.75	~3.0	~3.25	~3.50	~3.75
pH (s.u.)	7.14	7.14	7.15	7.16	7.17	7.19	7.2	7.2
Conductivity (umhos)	2.79	2.78	2.77	2.75	2.73	2.73	2.72	2.73
Turbidity (NTUs)	80.30	72.20	79.80	62.20	55.30	45.50	41.00	40.80
Dissolved Oxygen (mg/L)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Temperatrue (Degrees C)	14.83	14.81	14.80	14.79	14.82	14.80	14.80	14.77
ORP (eV)	-157	-160.00	-161.00	-164.00	-171.00	-173.00	-176.00	-175.00
Salinity (%)	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13
TDS (g/L)	1.78	1.78	1.77	1.76	1.75	1.75	1.74	1.74

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory: Chemtech and STL Pittsburg

Other Notes: ~3.75-4 Gallons purged
Duplicate sample collected (MW-100)

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-05000
Purge Date:
Sampling Date: 5/10/2007
Samplers: Paul A. Kies/Scott Dillman of Parsons/Somerset, NJ

SAMPLE ID: MW-11
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 6.15
Depth to Well Bottom (TOC): 12.76

CALCULATIONS: Ft. of Water in Well X (GAL / FT) = Gallons
2-inch Casing: Ft. of Water 6.61 x 0.16 = 1.06 Gallons
3-inch Casing: Ft. of Water in Well x 0.32 = Gallons
4-inch Casing: Ft. of Water in Well x 0.64 = Gallons
Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor : PID= 0.0ppm Slight Hydrocarbon like odor
Other : Color: Clear

FIELD TESTS

	BEGIN	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	10:10	10:20	10:25	10:30	10:35	10:40	10:45	10:50
Depth To Water (TOC) (ft)	6.15	8.91	10.45	11.60	13.10	13.92	14.35	15.12
Depth To Pump (TOC) (ft)		~16	~16	~16	~16	~16	~16	~16
Flow Rate (ml/min)		~200	~200	~200	~200	~200	~200	~200
Volume of Water Purged		~.25	~.50	~.75	~1.0	~1.25	~1.5	~1.75
pH (s.u.)		7.08	7.00	7.03	7.09	7.10	7.1	7.09
Conductivity (umhos)		1.13	1.1	1.1	1.09	1.1	1.1	1.11
Turbidity (NTUs)		162.00	147.00	134.00	124.00	122.00	120.00	116.00
Dissolved Oxygen (mg/L)		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Temperatrue (Degrees C)		13.21	14.30	14.54	15.10	14.93	15.15	15.25
ORP (eV)		-153.00	-153.00	-156.00	-158.00	-153.00	-149.00	-141.00
Salinity (%)		0.05	0.05	0.05	0.05	0.05	0.05	0.05
TDS (g/L)		0.72	0.71	0.7	0.7	0.71	0.7	0.71

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory Chemtech and STL Pittsburg

Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-05000
Purge Date:
Sampling Date: 5/10/2007
Samplers: Paul A. Kies/Scott Dillman of Parsons/Sommerset, NJ

SAMPLE ID: MW-11 (cont)
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 6.15
Depth to Well Bottom (TOC): 12.76

CALCULATIONS:					
	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	6.61	x 0.16 =	1.06	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons
Method:	Low Flow Pump				

SAMPLE DESCRIPTION

Odor : PID= 0.0ppm Slight Hydrocarbon like odor
Other : Color: Clear

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	10:58	11:00	11:05	11:10	11:15	11:20	11:25	12:00
Depth To Water (TOC) (ft)	15.78	16.00	16.95	17.71	18.16	18.58	18.60	16.58
Depth To Pump (TOC) (ft)	~16	~16	~18.2	~18.2	~18.2	~18.6	~18.6	~18.6
Flow Rate (ml/min)	~200	~200	~200	~200	~200	~200	~200	~200
Volume of Water Purged	~2.0	~2.25	~2.50	~2.75	~3.0	~3.25	~3.5	~3.75
pH (s.u.)	7.09	7.09	7.11	7.12	7.13	7.15	7.19	7.28
Conductivity (umhos)	1.12	1.12	1.12	1.12	1.12	1.15	0.923	0.932
Turbidity (NTUs)	128.00	126.00	591.00	450.00	403.00	502.00	416.00	324.00
Dissolved Oxygen (mg/L)	0.00	0.00	0.00	0.00	0.67	5.30	7.84	9.48
Temperatrue (Degrees C)	14.97	15.29	15.00	15.23	14.46	15.46	17.66	26.31
ORP (eV)	-137	-138.00	-138.00	-134.00	-123.00	-108.00	-97.00	-66.00
Salinity (%)	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.06
TDS (g/L)	0.71	0.72	0.72	0.72	0.72	0.59	0.593	0.82

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory Chemtech and STL Pittsburg

Other Notes: 11:25 well dry/ 12:00 resume purging
Air in water at 11:20 and 11:25

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-05000
Purge Date:
Sampling Date: 5/10/2007
Samplers: Paul A. Kies/Scott Dillman of Parsons/Sommerset, NJ
SAMPLE ID: MW-11 (cont)
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 6.15
Depth to Well Bottom (TOC): 12.76

CALCULATIONS: Ft. of Water in Well X (GAL / FT) = Gallons
2-inch Casing: Ft. of Water 6.61 x 0.16 = 1.06 Gallons
3-inch Casing: Ft. of Water in Well x 0.32 = Gallons
4-inch Casing: Ft. of Water in Well x 0.64 = Gallons
Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor : PID= 0.0ppm Slight Hydrocarbon like odor
Other : Color: Clear

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	12:05	12:10						1300
Depth To Water (TOC) (ft)	17.98	18.60						
Depth To Pump (TOC) (ft)	~18.6	~18.6						
Flow Rate (ml/min)	~200	~200						
Volume of Water Purged	~4.0	~4.25						
pH (s.u.)	7.20	7.13						
Conductivity (umhos)	1.22	1.21						
Turbidity (NTUs)	33.00	29.70						
Dissolved Oxygen (mg/L)	7.21	6.46						
Temperatrue (Degrees C)	15.03	15.01						
ORP (eV)	-69	-68.00						
Salinity (%)	0.05	0.05						
TDS (g/L)	0.78	0.78						
		DRY						

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory Chemtech and STL Pittsburg

Other Notes: 12:10=well dry/sample at 13:00/~4.25 gallons purged

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-01000
Purge Date:
Sampling Date: 5/8/2007
Samplers: Paul A. Kies/Scott Dillman of Parsons/Somerset, NJ
SAMPLE ID: MW-16
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 9.10
Depth to Well Bottom (TOC): 14.80

CALCULATIONS:					
	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	5.70	x 0.16 =	0.91	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor : No odor
Other : Color: Clear, no sheen or stain

FIELD TESTS

	START	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	13:48	13:50	13:56	14:04	14:09	14:14	14::20	14:28
Depth To Water (TOC) (ft)		7.48	7.83	7.99	8.11	8.15	8.28	8.37
Depth To Pump (TOC) (ft)		15.75	15.75	15.75	15.75	15.75	15.75	15.75
Flow Rate (ml/min)		300	230	230	230	230	230	230
Volume of Water Purged								
pH (s.u.)		9.31	9.46	9.50	9.54	9.53	9.45	9.44
Conductivity (umhos)		19.1	18.2	18.3	18.1	17.8	17.3	17.2
Turbidity (NTUs)		75.20	74.80	55.70	48.60	47.60	32.20	27.00
Dissolved Oxygen (mg/L)		0.86	2.19	2.03	1.90	1.74	1.55	1.38
Temperatrue (Degrees C)		11.05	11.21	11.25	11.32	11.30	11.04	11.38
ORP (eV)		117.00	86.00	61.00	36.00	26.00	14.00	5.00
Salinity (%)		1.09	1.06	1.07	1.05	1.03	1	0.99
TDS (g/L)		11.6	11.3	11.4	11.2	11	10.7	10.6

E ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory Chemtech and STL Pittsburg

Other Notes: No odor, No LNAPL or DNAPL observed

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-01000
Purge Date:
Sampling Date: 5/8/2007
Samplers: Paul A. Kies/Scott Dillman of Parsons/Somerset, NJ
SAMPLE ID: MW-16(cont)
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 9.10
Depth to Well Bottom (TOC): 14.80

CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well 5.70 x 0.16 = 0.91 Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor : No odor
Other : Color: Clear, no sheen or stain

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	14:38	14:47	14:52	15:00				
Depth To Water (TOC) (ft)	8.37	8.39	8.40	8.41				
Depth To Pump (TOC) (ft)	15.75	15.75	15.75	15.75				
Flow Rate (ml/min)	210.00	210	210	210				
Volume of Water Purged				5 gallons				
pH (s.u.)	9.44	9.43	9.44	9.43				
Conductivity (umhos)	17.30	17.1	17.4	17.4				
Turbidity (NTUs)	21.20	19.30	16.60	15.50				
Dissolved Oxygen (mg/L)	1.23	1.15	1.12	1.10				
Temperatrue (Degrees C)	11.58	12.28	12.00	12.00				
ORP (eV)	1	-2.00	-2.00	-2.00				
Salinity (%)	1.00	0.99	1.01	1.01				
TDS (g/L)	10.70	10.6	10.8	10.8				

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory Chemtech and STL Pittsburg

Other Notes: No odor, No LNAPL or DNAPL observed
Total purged 5 gallons

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-05000
Purge Date:
Sampling Date: 5/22/2007
Samplers: Paul A. Kies/Scott Dillman of Parsons/Sommerset, NJ

SAMPLE ID: MW-19
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 6.22
Depth to Well Bottom (TOC): 13.70 (NAPL on purge)

CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	7.48	x 0.16 =	1.20	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor :
Other :

FIELD TESTS

	BEGIN	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	9:47	9:53	9:59	10:08	10:17	10:24	10:30	10:40
Depth To Water (TOC) (ft)	6.25	6.50	6.70	6.93	7.06	7.15	7.38	7.57
Depth To Pump (TOC) (ft)	~10'	~10'	~10'	~10'	~10'	~10'	~10'	~10'
Flow Rate (ml/min)	250	250	250	250	250	250	250	250
Volume of Water Purged		0.25	1.00	1.50	2.00	2.50	3.00	3.50
pH (s.u.)		7.31	7.04	6.93	6.90	6.89	6.88	6.88
Conductivity (umhos)		4.01	3.67	3.63	3.67	3.72	3.75	3.73
Turbidity (NTUs)		26.20	29.00	24.50	21.80	30.50	36.30	47.50
Dissolved Oxygen (mg/L)		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Temperatrue (Degrees C)		14.02	14.06	14.25	14.3	14.29	13.96	13.94
ORP (eV)		-180	-173	-173	-169	-169	-169	-168.00
Salinity (%)		0.2	0.2	0.2	0.2	0.2	0.2	0.20
TDS (g/L)		2.3	2.3	2.3	2.3	2.4	2.4	2.40

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory Chemtech and STL Pittsburg

Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-01000
Purge Date:
Sampling Date: 5/22/2007
Samplers: Paul A. Kies/Scott Dillman of Parsons/Somerset, NJ

SAMPLE ID: MW-20
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 10.80
Depth to Well Bottom (TOC): 22.50

CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	11.70	x 0.16 =	1.87	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor :
Other :

FIELD TESTS

	Begin	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	11:30	11:35	11:43	11:49	11:55	12:05	12:12	12:20
Depth To Water (TOC) (ft)	10.77	11.02	11.11	11.16	11.19	11.21	11.24	11.25
Depth To Pump (TOC) (ft)	~20	~20	~20	~20	~20	~20	~20	~20
Flow Rate (ml/min)	~350	~350	~350	~350	~350	~350	~350	~350
Volume of Water Purged		0.25	1.00	1.75	2.50	3.00	4.00	5.00
pH (s.u.)		6.58	6.58	6.60	6.61	6.61	6.62	6.62
Conductivity (umhos)		8.95	8.89	8.87	8.86	8.84	8.84	8.83
Turbidity (NTUs)		14.40	13.30	11.00	38.20	24.80	37.10	46.30
Dissolved Oxygen (mg/L)		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Temperatrue (Degrees C)		14.6	14.59	14.54	14.65	14.69	14.72	14.75
ORP (eV)		-144	-144	-147	-150	-150	-151	-151.00
Salinity (%)		0.5	0.5	0.5	0.5	0.5	0.5	0.50
TDS (g/L)		5.60	5.60	5.60	5.60	5.60	5.60	5.60

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory Chemtech and STL Pittsburg

Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-01000
Purge Date:
Sampling Date: 5/22/2007
Samplers: Paul A. Kies/Scott Dillman of Parsons/Somerset, NJ

SAMPLE ID: MW-20 (conti)
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 10.80
Depth to Well Bottom (TOC): 22.50 (NAPL on purge)

CALCULATIONS:

	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	11.70	x 0.16 =	1.87	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor :
Other :

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	12:27							12:35
Depth To Water (TOC) (ft)	11.26							11.27
Depth To Pump (TOC) (ft)	~20							~20
Flow Rate (ml/min)	~350							-
Volume of Water Purged	5.50							6.00
pH (s.u.)	6.62							6.62
Conductivity (umhos)	8.67							8.71
Turbidity (NTUs)	68.00							65.10
Dissolved Oxygen (mg/L)	0.00							0.00
Temperatrue (Degrees C)	14.74							14.6
ORP (eV)	-151.00							-151
Salinity (%)	0.50							0.5
TDS (g/L)	5.50							5.5

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory Chemtech and STL Pittsburg

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con-Edison (W. 45th Street)
PROJECT NUMBER: 442145-01000
Purge Date:
Sampling Date: 5/8/2007
Samplers: Paul A. Kies/Milk Wilkins(of Parsons/Somerset, NJ
SAMPLE ID: MW-55
Sampling Method: Low flow pump (Peristaltic Pump)

WELL PURGING

Static Water Level (TOC): 9.93
Depth to Well Bottom (TOC): 10.76

CALCULATIONS: Ft. of Water in Well X (GAL / FT) = Gallons
2-inch Casing: Ft. of Water 0.83 x 0.16 = 0.13 Gallons
3-inch Casing: Ft. of Water in Well x 0.32 = Gallons
4-inch Casing: Ft. of Water in Well x 0.64 = Gallons
Method: Low Flow Pump

SAMPLE DESCRIPTION

Odor : PID= 0.0ppm No odor
Other : clear, no stain, no sheen

FIELD TESTS

	BEGIN	PURGE	PURGE	PURGE	SAMPLE	PURGE	PURGE	SAMPLE
Time	9:37	10:37	11:10	11:20	11:27			
Depth To Water (TOC) (ft)	10.76	10.67	9.18	8.66	8.31			
Depth To Pump (TOC) (ft)	10.76	10.76	10.76	10.76	10.76			
Flow Rate (ml/min)	~500	~500	~200	~200	~200			
Volume of Water Purged	350.00	800.00			1 gal			
pH (s.u.)	6.68	7.64	7.69	7.67	7.66			
Conductivity (umhos)	14.90	14.1	14.8	15	15.1			
Turbidity (NTUs)	52.20	80.10	24.10	27.40	45.00			
Dissolved Oxygen (mg/L)	10.86	10.26	12.52	11.38	11.29			
Temperatrue (Degrees C)	14.16	12.99	12.33	12.40	12.50			
ORP (eV)	147	140.00	148.00	143.00	142.00			
Salinity (%)	0.86	0.8	0.85	0.86	0.88			
TDS (g/L)	9.20	8.7	9.2	9.3	9.5			

SAMPLE ANALYSIS / LABORATORY

Analyze For: TCL VOCs, TAL Metals, CN (Total and Available)
Shipped Via:
Laboratory Chemtech and STL Pittsburg

Other Notes: PID 0.0 Head space in well, No LNAPL or DNAPL on interface probe, no odor.
Collected MS/MSD