Form REP-703
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Water Analysis

Location: Mountaineer Plant ***Report Date: 10/14/2013***

CPS Influent

Sample Number: 133821-001 **Date Collected: 09/18/2013** **Date Received: 9/18/2013**

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Antimony, Sb	12.1	ug/L		0.050	0.010	DPC	09/24/2013 11:16	EPA 200.8
Arsenic, As	67.7	ug/L		0.10	0.030	DPC	09/24/2013 11:16	EPA 200.8
Barium, Ba	816	ug/L		0.10	0.020	DPC	09/24/2013 11:16	EPA 200.8
Beryllium, Be	< 15	ug/L	U	50	15	DAM	09/25/2013 12:32	EPA 200.7
Cadmium, Cd	251	ug/L		0.050	0.010	DPC	09/24/2013 11:16	EPA 200.8
Chromium, Cr	249	ug/L		0.20	0.040	DPC	09/24/2013 11:16	EPA 200.8
Cobalt, Co	274	ug/L		0.020	0.0040	DPC	09/24/2013 11:16	EPA 200.8
Copper, Cu	270	ug/L		0.050	0.010	DPC	09/24/2013 11:16	EPA 200.8
Lead, Pb	111	ug/L		0.010	0.0020	DPC	09/24/2013 11:16	EPA 200.8
Mercury, Hg	198000	ng/L		5000	2000	JAB	09/25/2013	EPA 1631E
Molybdenum, Mo	244	ug/L		0.050	0.010	DPC	09/24/2013 11:16	EPA 200.8
Nickel, Ni	1810	ug/L		0.20	0.050	DPC	09/24/2013 11:16	EPA 200.8
Selenium, Se	802	ug/L		0.50	0.20	DPC	09/24/2013 11:16	EPA 200.8
Silver, Ag	0.215	ug/L		0.010	0.0020	DPC	09/24/2013 11:16	EPA 200.8
Thallium, Tl	12.8	ug/L		0.050	0.0020	DPC	09/24/2013 11:16	EPA 200.8
Tin, Sn	< 150	ug/L	U	500	150	DAM	09/25/2013 12:33	EPA 200.7
Titanium, Ti	116	ug/L		100	15	DAM	09/25/2013 12:32	EPA 200.7
Zinc, Zn	3420	ug/L		0.50	0.10	DPC	09/24/2013 11:16	EPA 200.8
Aluminum, Al	8.96	mg/L		0.0010	0.0003	DPC	09/24/2013 11:16	EPA 200.8
Boron, B	396	mg/L		1.0	0.20	DAM	09/25/2013 12:32	EPA 200.7
Calcium, Ca	3100	mg/L		1.0	0.20	DAM	09/25/2013 12:32	EPA 200.7
Iron, Fe	70.5	mg/L		2.5	0.50	DAM	09/25/2013 12:32	EPA 200.7
Magnesium, Mg	3770	mg/L		0.50	0.10	DAM	09/25/2013 12:32	EPA 200.7
Manganese, Mn	73.8	mg/L		0.025	0.0050	DAM	09/25/2013 12:32	EPA 200.7
Potassium, K	63.8	mg/L		2.5	0.35	DAM	09/25/2013 12:31	EPA 200.7
Sodium, Na	345	mg/L		1.5	0.40	DAM	09/25/2013 12:31	EPA 200.7
Strontium, Sr	21.0	mg/L		0.050	0.015	DAM	09/25/2013 12:31	EPA 200.7
Ammonia, NH3, as N	2.11	mg/L		0.050	0.020	DMM	09/24/2013	EPA 350.1
Total Kjeldahl Nitrogen, TKN as N	1.75	mg/L		0.50	0.10	DMM	09/26/2013	EPA 351.2
Nitrate-Nitrite, NO3-NO2, as N	37.1	mg/L		0.10	0.020	DMM	09/21/2013	SM20 4500NO3 H

CPS Influent Dissolved

Sample Number: 133821-001A **Date Collected:** 09/18/2013 **Date Received:** 9/18/2013

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Antimony, Sb	2.34	ug/L		0.050	0.010	DPC	09/24/2013 11:21	EPA 200.8
Arsenic, As	2.38	ug/L		0.10	0.030	DPC	09/24/2013 11:21	EPA 200.8
Barium, Ba	47.4	ug/L		0.10	0.020	DPC	09/24/2013 11:21	EPA 200.8
Beryllium, Be	< 15	ug/L	U	50	15	DAM	09/25/2013 12:36	EPA 200.7
Cadmium, Cd	132	ug/L		0.050	0.010	DPC	09/24/2013 11:21	EPA 200.8
Chromium, Cr	1.6	ug/L		0.20	0.040	DPC	09/24/2013 11:21	EPA 200.8
Cobalt, Co	163	ug/L		0.020	0.0040	DPC	09/24/2013 11:21	EPA 200.8
Copper, Cu	4.16	ug/L		0.050	0.010	DPC	09/24/2013 11:21	EPA 200.8
Lead, Pb	0.125	ug/L		0.010	0.0020	DPC	09/24/2013 11:21	EPA 200.8
Mercury, Hg	56.8	ng/L		10	4.0	JAB	09/25/2013	EPA 1631E
Molybdenum, Mo	161	ug/L		0.050	0.010	DPC	09/24/2013 11:21	EPA 200.8
Nickel, Ni	1100	ug/L		0.20	0.050	DPC	09/24/2013 11:21	EPA 200.8
Selenium, Se	333	ug/L		0.50	0.20	DPC	09/24/2013 11:21	EPA 200.8
Selenite, Se+4 (Hydride)	364	ug/L		20	4.0	TLT	10/10/2013	AEP Method
Silver, Ag	0.010	ug/L		0.010	0.0020	DPC	09/24/2013 11:21	EPA 200.8
Thallium, Tl	5.95	ug/L		0.050	0.0020	DPC	09/24/2013 11:21	EPA 200.8
Tin, Sn	< 150	ug/L	U	500	150	DAM	09/25/2013 12:37	EPA 200.7
Titanium, Ti	< 15	ug/L	U	100	15	DAM	09/25/2013 12:36	EPA 200.7
Zinc, Zn	616	ug/L		0.50	0.10	DPC	09/24/2013 11:21	EPA 200.8
Aluminum, Al	0.0262	mg/L		0.0010	0.0003	DPC	09/24/2013 11:21	EPA 200.8
Boron, B	408	mg/L		1.0	0.20	DAM	09/25/2013 12:36	EPA 200.7
Calcium, Ca	666	mg/L		1.0	0.20	DAM	09/25/2013 12:36	EPA 200.7
Iron, Fe	< 0.50	mg/L	U	2.5	0.50	DAM	09/25/2013 12:37	EPA 200.7
Magnesium, Mg	3560	mg/L		0.50	0.10	DAM	09/25/2013 12:36	EPA 200.7
Manganese, Mn	72.1	mg/L		0.025	0.0050	DAM	09/25/2013 12:36	EPA 200.7
Potassium, K	65.5	mg/L		2.5	0.35	DAM	09/25/2013 12:35	EPA 200.7
Sodium, Na	344	mg/L		1.5	0.40	DAM	09/25/2013 12:35	EPA 200.7
Strontium, Sr	10.4	mg/L		0.050	0.015	DAM	09/25/2013 12:35	EPA 200.7

Primary Clarifier Effluent

Sample Number: 133821-002 **Date Collected:** 09/18/2013 **Date Received:** 9/18/2013

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Antimony, Sb	2.80	ug/L		0.050	0.010	DPC	09/24/2013 11:25	EPA 200.8
Arsenic, As	4.45	ug/L		0.10	0.030	DPC	09/24/2013 11:25	EPA 200.8
Barium, Ba	70.8	ug/L		0.10	0.020	DPC	09/24/2013 11:25	EPA 200.8
Beryllium, Be	< 3.0	ug/L	U	10	3.0	DAM	09/25/2013 12:40	EPA 200.7
Cadmium, Cd	69.6	ug/L		0.050	0.010	DPC	09/24/2013 11:25	EPA 200.8
Chromium, Cr	7.0	ug/L		0.20	0.040	DPC	09/24/2013 11:25	EPA 200.8
Cobalt, Co	86.1	ug/L		0.020	0.0040	DPC	09/24/2013 11:25	EPA 200.8
Copper, Cu	4.12	ug/L		0.050	0.010	DPC	09/24/2013 11:25	EPA 200.8
Lead, Pb	0.777	ug/L		0.010	0.0020	DPC	09/24/2013 11:25	EPA 200.8
Mercury, Hg	661	ng/L		50	20	JAB	09/25/2013	EPA 1631E
Molybdenum, Mo	230	ug/L		0.050	0.010	DPC	09/24/2013 11:25	EPA 200.8
Nickel, Ni	711	ug/L		0.20	0.050	DPC	09/24/2013 11:25	EPA 200.8
Selenium, Se	561	ug/L		0.50	0.20	DPC	09/24/2013 11:25	EPA 200.8
Silver, Ag	0.019	ug/L		0.010	0.0020	DPC	09/24/2013 11:25	EPA 200.8
Thallium, Tl	6.26	ug/L		0.050	0.0020	DPC	09/24/2013 11:25	EPA 200.8
Tin, Sn	< 30	ug/L	U	100	30	DAM	09/25/2013 12:41	EPA 200.7
Titanium, Ti	< 3.0	ug/L	U	20	3.0	DAM	09/25/2013 12:40	EPA 200.7
Zinc, Zn	32.1	ug/L		0.50	0.10	DPC	09/24/2013 11:25	EPA 200.8
Aluminum, Al	0.410	mg/L		0.0010	0.0003	DPC	09/24/2013 11:25	EPA 200.8
Boron, B	318	mg/L		0.20	0.040	DAM	09/25/2013 12:40	EPA 200.7
Calcium, Ca	729	mg/L		0.20	0.040	DAM	09/25/2013 12:40	EPA 200.7
Iron, Fe	0.599	mg/L		0.50	0.10	DAM	09/25/2013 12:41	EPA 200.7
Magnesium, Mg	2930	mg/L		0.10	0.020	DAM	09/25/2013 12:40	EPA 200.7
Manganese, Mn	46.3	mg/L		0.0050	0.0010	DAM	09/25/2013 12:40	EPA 200.7
Potassium, K	50.7	mg/L		0.50	0.070	DAM	09/25/2013 12:39	EPA 200.7
Sodium, Na	279	mg/L		0.30	0.080	DAM	09/25/2013 12:39	EPA 200.7
Strontium, Sr	8.43	mg/L		0.010	0.0030	DAM	09/25/2013 12:39	EPA 200.7
Ammonia, NH3, as N	1.56	mg/L		0.050	0.020	DMM	09/24/2013	EPA 350.1
Total Kjeldahl Nitrogen, TKN as N	2.29	mg/L		0.50	0.10	DMM	09/26/2013	EPA 351.2
Nitrate-Nitrite, NO3-NO2, as N	29.2	mg/L		0.10	0.020	DMM	09/21/2013	SM20 4500NO3 H

Primary Clarifier Effluent Dissolved

Sample Number: 133821-002A **Date Collected:** 09/18/2013 **Date Received:** 9/18/2013

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Antimony, Sb	2.45	ug/L		0.050	0.010	DPC	09/24/2013 11:30	EPA 200.8
Arsenic, As	3.62	ug/L		0.10	0.030	DPC	09/24/2013 11:30	EPA 200.8
Barium, Ba	60.8	ug/L		0.10	0.020	DPC	09/24/2013 11:30	EPA 200.8
Beryllium, Be	< 3.0	ug/L	U	10	3.0	DAM	09/25/2013 12:49	EPA 200.7
Cadmium, Cd	63.0	ug/L		0.050	0.010	DPC	09/24/2013 11:30	EPA 200.8
Chromium, Cr	3.5	ug/L		0.20	0.040	DPC	09/24/2013 11:30	EPA 200.8
Cobalt, Co	78.1	ug/L		0.020	0.0040	DPC	09/24/2013 11:30	EPA 200.8
Copper, Cu	2.33	ug/L		0.050	0.010	DPC	09/24/2013 11:30	EPA 200.8
Lead, Pb	0.151	ug/L		0.010	0.0020	DPC	09/24/2013 11:30	EPA 200.8
Mercury, Hg	42.1	ng/L		5.0	2.0	JAB	09/25/2013	EPA 1631E
Molybdenum, Mo	206	ug/L		0.050	0.010	DPC	09/24/2013 11:30	EPA 200.8
Nickel, Ni	649	ug/L		0.20	0.050	DPC	09/24/2013 11:30	EPA 200.8
Selenium, Se	515	ug/L		0.50	0.20	DPC	09/24/2013 11:30	EPA 200.8
Selenite, Se+4 (Hydride)	435	ug/L		20	4.0	TLT	10/10/2013	AEP Method
Silver, Ag	0.0060	ug/L	J	0.010	0.0020	DPC	09/24/2013 11:30	EPA 200.8
Thallium, Tl	5.60	ug/L		0.050	0.0020	DPC	09/24/2013 11:30	EPA 200.8
Tin, Sn	< 30	ug/L	U	100	30	DAM	09/25/2013 12:50	EPA 200.7
Titanium, Ti	< 3.0	ug/L	U	20	3.0	DAM	09/25/2013 12:49	EPA 200.7
Zinc, Zn	16.2	ug/L		0.50	0.10	DPC	09/24/2013 11:30	EPA 200.8
Aluminum, Al	0.0189	mg/L		0.0010	0.0003	DPC	09/24/2013 11:30	EPA 200.8
Boron, B	326	mg/L		0.20	0.040	DAM	09/25/2013 12:49	EPA 200.7
Calcium, Ca	748	mg/L		0.20	0.040	DAM	09/25/2013 12:49	EPA 200.7
Iron, Fe	< 0.10	mg/L	U	0.50	0.10	DAM	09/25/2013 12:50	EPA 200.7
Magnesium, Mg	3010	mg/L		0.10	0.020	DAM	09/25/2013 12:49	EPA 200.7
Manganese, Mn	47.4	mg/L		0.0050	0.0010	DAM	09/25/2013 12:49	EPA 200.7
Potassium, K	51.9	mg/L		0.50	0.070	DAM	09/25/2013 12:48	EPA 200.7
Sodium, Na	284	mg/L		0.30	0.080	DAM	09/25/2013 12:48	EPA 200.7
Strontium, Sr	8.61	mg/L		0.010	0.0030	DAM	09/25/2013 12:48	EPA 200.7

CPS Effluent

Sample Number: 133821-003 **Date Collected:** 09/18/2013 **Date Received:** 9/18/2013

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Antimony, Sb	2.44	ug/L		0.050	0.010	DPC	09/24/2013 11:35	EPA 200.8
Arsenic, As	3.00	ug/L		0.10	0.030	DPC	09/24/2013 11:35	EPA 200.8
Barium, Ba	70.5	ug/L		0.10	0.020	DPC	09/24/2013 11:35	EPA 200.8
Beryllium, Be	< 3.0	ug/L	U	10	3.0	DAM	09/25/2013 12:58	EPA 200.7
Cadmium, Cd	17.4	ug/L		0.050	0.010	DPC	09/24/2013 11:35	EPA 200.8
Chromium, Cr	4.1	ug/L		0.20	0.040	DPC	09/24/2013 11:35	EPA 200.8
Cobalt, Co	25.5	ug/L		0.020	0.0040	DPC	09/24/2013 11:35	EPA 200.8
Copper, Cu	1.01	ug/L		0.050	0.010	DPC	09/24/2013 11:35	EPA 200.8
Lead, Pb	0.245	ug/L		0.010	0.0020	DPC	09/24/2013 11:35	EPA 200.8
Mercury, Hg	220	ng/L		20	8.0	JAB	09/25/2013	EPA 1631E
Molybdenum, Mo	223	ug/L		0.050	0.010	DPC	09/24/2013 11:35	EPA 200.8
Nickel, Ni	366	ug/L		0.20	0.050	DPC	09/24/2013 11:35	EPA 200.8
Selenium, Se	379	ug/L		0.50	0.20	DPC	09/24/2013 11:35	EPA 200.8
Silver, Ag	0.0060	ug/L	J	0.010	0.0020	DPC	09/24/2013 11:35	EPA 200.8
Thallium, Tl	3.73	ug/L		0.050	0.0020	DPC	09/24/2013 11:35	EPA 200.8
Tin, Sn	< 30	ug/L	U	100	30	DAM	09/25/2013 12:59	EPA 200.7
Titanium, Ti	< 3.0	ug/L	U	20	3.0	DAM	09/25/2013 12:58	EPA 200.7
Zinc, Zn	11.5	ug/L		0.50	0.10	DPC	09/24/2013 11:35	EPA 200.8
Aluminum, Al	0.226	mg/L		0.0010	0.0003	DPC	09/24/2013 11:35	EPA 200.8
Boron, B	309	mg/L		0.20	0.040	DAM	09/25/2013 12:58	EPA 200.7
Calcium, Ca	692	mg/L		0.20	0.040	DAM	09/25/2013 12:58	EPA 200.7
Iron, Fe	0.25	mg/L	J	0.50	0.10	DAM	09/25/2013 12:59	EPA 200.7
Magnesium, Mg	2840	mg/L		0.10	0.020	DAM	09/25/2013 12:58	EPA 200.7
Manganese, Mn	44.7	mg/L		0.0050	0.0010	DAM	09/25/2013 12:58	EPA 200.7
Potassium, K	49.1	mg/L		0.50	0.070	DAM	09/25/2013 12:57	EPA 200.7
Sodium, Na	269	mg/L		0.30	0.080	DAM	09/25/2013 12:57	EPA 200.7
Strontium, Sr	8.08	mg/L		0.010	0.0030	DAM	09/25/2013 12:57	EPA 200.7
Ammonia, NH3, as N	1.21	mg/L		0.050	0.020	DMM	09/24/2013	EPA 350.1
Total Kjeldahl Nitrogen, TKN as N	4.75	mg/L		0.50	0.10	DMM	09/26/2013	EPA 351.2
Nitrate-Nitrite, NO3-NO2, as N	27.9	mg/L		0.10	0.020	DMM	09/21/2013	SM20 4500NO3 H

CPS Effluent Dissolved

Sample Number: 133821-003A **Date Collected:** 09/18/2013 **Date Received:** 9/18/2013

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Antimony, Sb	2.25	ug/L		0.050	0.010	DPC	09/24/2013 11:40	EPA 200.8
Arsenic, As	2.72	ug/L		0.10	0.030	DPC	09/24/2013 11:40	EPA 200.8
Barium, Ba	62.4	ug/L		0.10	0.020	DPC	09/24/2013 11:40	EPA 200.8
Beryllium, Be	< 3.0	ug/L	U	10	3.0	DAM	09/25/2013 13:08	EPA 200.7
Cadmium, Cd	0.49	ug/L		0.050	0.010	DPC	09/24/2013 11:40	EPA 200.8
Chromium, Cr	2.8	ug/L		0.20	0.040	DPC	09/24/2013 11:40	EPA 200.8
Cobalt, Co	13.4	ug/L		0.020	0.0040	DPC	09/24/2013 11:40	EPA 200.8
Copper, Cu	0.37	ug/L		0.050	0.010	DPC	09/24/2013 11:40	EPA 200.8
Lead, Pb	0.039	ug/L		0.010	0.0020	DPC	09/24/2013 11:40	EPA 200.8
Mercury, Hg	7.7	ng/L		2.0	0.80	JAB	09/25/2013	EPA 1631E
Molybdenum, Mo	204	ug/L		0.050	0.010	DPC	09/24/2013 11:40	EPA 200.8
Nickel, Ni	283	ug/L		0.20	0.050	DPC	09/24/2013 11:40	EPA 200.8
Selenium, Se	367	ug/L		0.50	0.20	DPC	09/24/2013 11:40	EPA 200.8
Selenite, Se+4 (Hydride)	366	ug/L		20	4.0	TLT	10/10/2013	AEP Method
Silver, Ag	0.0020	ug/L	J	0.010	0.0020	DPC	09/24/2013 11:40	EPA 200.8
Thallium, Tl	2.69	ug/L		0.050	0.0020	DPC	09/24/2013 11:40	EPA 200.8
Tin, Sn	< 30	ug/L	U	100	30	DAM	09/25/2013 13:08	EPA 200.7
Titanium, Ti	< 3.0	ug/L	U	20	3.0	DAM	09/25/2013 13:08	EPA 200.7
Zinc, Zn	4.8	ug/L		0.50	0.10	DPC	09/24/2013 11:40	EPA 200.8
Aluminum, Al	0.0197	mg/L		0.0010	0.0003	DPC	09/24/2013 11:40	EPA 200.8
Boron, B	285	mg/L		0.20	0.040	DAM	09/25/2013 13:08	EPA 200.7
Calcium, Ca	626	mg/L		0.20	0.040	DAM	09/25/2013 13:08	EPA 200.7
Iron, Fe	< 0.10	mg/L	U	0.50	0.10	DAM	09/25/2013 13:08	EPA 200.7
Magnesium, Mg	2550	mg/L		0.10	0.020	DAM	09/25/2013 13:08	EPA 200.7
Manganese, Mn	40.4	mg/L		0.0050	0.0010	DAM	09/25/2013 13:08	EPA 200.7
Potassium, K	45.6	mg/L		0.50	0.070	DAM	09/25/2013 13:06	EPA 200.7
Sodium, Na	246	mg/L		0.30	0.080	DAM	09/25/2013 13:06	EPA 200.7
Strontium, Sr	7.29	mg/L		0.010	0.0030	DAM	09/25/2013 13:06	EPA 200.7

Landfill Leachate

Sample Number: 133821-004 **Date Collected:** 09/18/2013 **Date Received:** 9/18/2013

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Antimony, Sb	11.4	ug/L		0.050	0.010	DPC	09/24/2013 11:45	EPA 200.8
Arsenic, As	38.1	ug/L		0.10	0.030	DPC	09/24/2013 11:45	EPA 200.8
Barium, Ba	24.5	ug/L		0.10	0.020	DPC	09/24/2013 11:45	EPA 200.8
Beryllium, Be	< 3.0	ug/L	U	10	3.0	DAM	09/25/2013 13:17	EPA 200.7
Cadmium, Cd	1.41	ug/L		0.050	0.010	DPC	09/24/2013 11:45	EPA 200.8
Chromium, Cr	0.9	ug/L		0.20	0.040	DPC	09/24/2013 11:45	EPA 200.8
Cobalt, Co	1.86	ug/L		0.020	0.0040	DPC	09/24/2013 11:45	EPA 200.8
Copper, Cu	0.43	ug/L		0.050	0.010	DPC	09/24/2013 11:45	EPA 200.8
Lead, Pb	0.044	ug/L		0.010	0.0020	DPC	09/24/2013 11:45	EPA 200.8
Mercury, Hg	116	ng/L		10	4.0	JAB	09/25/2013	EPA 1631E
Molybdenum, Mo	7070	ug/L		0.050	0.010	DPC	09/24/2013 11:45	EPA 200.8
Nickel, Ni	7.01	ug/L		0.20	0.050	DPC	09/24/2013 11:45	EPA 200.8
Selenium, Se	249	ug/L		0.50	0.20	DPC	09/24/2013 11:45	EPA 200.8
Silver, Ag	< 0.0020	ug/L	U	0.010	0.0020	DPC	09/24/2013 11:45	EPA 200.8
Thallium, Tl	3.14	ug/L		0.050	0.0020	DPC	09/24/2013 11:45	EPA 200.8
Tin, Sn	< 30	ug/L	U	100	30	DAM	09/25/2013 13:17	EPA 200.7
Titanium, Ti	< 3.0	ug/L	U	20	3.0	DAM	09/25/2013 13:17	EPA 200.7
Zinc, Zn	2.9	ug/L		0.50	0.10	DPC	09/24/2013 11:45	EPA 200.8
Aluminum, Al	0.0214	mg/L		0.0010	0.0003	DPC	09/24/2013 11:45	EPA 200.8
Boron, B	61.8	mg/L		0.20	0.040	DAM	09/25/2013 13:17	EPA 200.7
Calcium, Ca	443	mg/L		0.20	0.040	DAM	09/25/2013 13:17	EPA 200.7
Iron, Fe	< 0.10	mg/L	U	0.50	0.10	DAM	09/25/2013 13:17	EPA 200.7
Magnesium, Mg	449	mg/L		0.10	0.020	DAM	09/25/2013 13:17	EPA 200.7
Manganese, Mn	0.879	mg/L		0.0050	0.0010	DAM	09/25/2013 13:17	EPA 200.7
Potassium, K	115	mg/L		0.50	0.070	DAM	09/25/2013 13:15	EPA 200.7
Sodium, Na	1910	mg/L		0.30	0.080	DAM	09/25/2013 13:15	EPA 200.7
Strontium, Sr	6.01	mg/L		0.010	0.0030	DAM	09/25/2013 13:15	EPA 200.7
Ammonia, NH3, as N	< 0.020	mg/L	U	0.050	0.020	DMM	09/24/2013	EPA 350.1
Total Kjeldahl Nitrogen, TKN as N	1.44	mg/L		0.50	0.10	DMM	09/26/2013	EPA 351.2
Nitrate-Nitrite, NO3-NO2, as N	6.64	mg/L		0.10	0.020	DMM	09/21/2013	SM20 4500NO3 H

Landfill Leachate Dissolved

Sample Number: 133821-004A **Date Collected:** 09/18/2013 **Date Received:** 9/18/2013

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Antimony, Sb	10.7	ug/L		0.050	0.010	DPC	09/24/2013 11:49	EPA 200.8
Arsenic, As	34.9	ug/L		0.10	0.030	DPC	09/24/2013 11:49	EPA 200.8
Barium, Ba	22.6	ug/L		0.10	0.020	DPC	09/24/2013 11:49	EPA 200.8
Beryllium, Be	< 3.0	ug/L	U	10	3.0	DAM	09/25/2013 13:21	EPA 200.7
Cadmium, Cd	1.40	ug/L		0.050	0.010	DPC	09/24/2013 11:49	EPA 200.8
Chromium, Cr	0.7	ug/L		0.20	0.040	DPC	09/24/2013 11:49	EPA 200.8
Cobalt, Co	1.54	ug/L		0.020	0.0040	DPC	09/24/2013 11:49	EPA 200.8
Copper, Cu	0.27	ug/L		0.050	0.010	DPC	09/24/2013 11:49	EPA 200.8
Lead, Pb	0.057	ug/L		0.010	0.0020	DPC	09/24/2013 11:49	EPA 200.8
Mercury, Hg	11.2	ng/L		2.0	0.80	JAB	09/25/2013	EPA 1631E
Molybdenum, Mo	6740	ug/L		0.050	0.010	DPC	09/24/2013 11:49	EPA 200.8
Nickel, Ni	6.28	ug/L		0.20	0.050	DPC	09/24/2013 11:49	EPA 200.8
Selenium, Se	239	ug/L		0.50	0.20	DPC	09/24/2013 11:49	EPA 200.8
Selenite, Se+4 (Hydride)	159	ug/L		20	4.0	TLT	10/10/2013	AEP Method
Silver, Ag	< 0.0020	ug/L	U	0.010	0.0020	DPC	09/24/2013 11:49	EPA 200.8
Thallium, Tl	3.00	ug/L		0.050	0.0020	DPC	09/24/2013 11:49	EPA 200.8
Tin, Sn	< 30	ug/L	U	100	30	DAM	09/25/2013 13:21	EPA 200.7
Titanium, Ti	< 3.0	ug/L	U	20	3.0	DAM	09/25/2013 13:21	EPA 200.7
Zinc, Zn	2.4	ug/L		0.50	0.10	DPC	09/24/2013 11:49	EPA 200.8
Aluminum, Al	0.0033	mg/L		0.0010	0.0003	DPC	09/24/2013 11:49	EPA 200.8
Boron, B	62.3	mg/L		0.20	0.040	DAM	09/25/2013 13:21	EPA 200.7
Calcium, Ca	446	mg/L		0.20	0.040	DAM	09/25/2013 13:21	EPA 200.7
Iron, Fe	< 0.10	mg/L	U	0.50	0.10	DAM	09/25/2013 13:21	EPA 200.7
Magnesium, Mg	452	mg/L		0.10	0.020	DAM	09/25/2013 13:21	EPA 200.7
Manganese, Mn	0.700	mg/L		0.0050	0.0010	DAM	09/25/2013 13:21	EPA 200.7
Potassium, K	117	mg/L		0.50	0.070	DAM	09/25/2013 13:19	EPA 200.7
Sodium, Na	1920	mg/L		0.30	0.080	DAM	09/25/2013 13:19	EPA 200.7
Strontium, Sr	6.06	mg/L		0.010	0.0030	DAM	09/25/2013 13:19	EPA 200.7

1st Stage Feed

Sample Number: 133821-005 **Date Collected:** 09/18/2013 **Date Received:** 9/18/2013

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Antimony, Sb	7.08	ug/L		0.050	0.010	DPC	09/24/2013 12:23	EPA 200.8
Arsenic, As	19.4	ug/L		0.10	0.030	DPC	09/24/2013 12:23	EPA 200.8
Barium, Ba	49.2	ug/L		0.10	0.020	DPC	09/24/2013 12:23	EPA 200.8
Beryllium, Be	< 3.0	ug/L	U	10	3.0	DAM	09/25/2013 13:37	EPA 200.7
Cadmium, Cd	8.97	ug/L		0.050	0.010	DPC	09/24/2013 12:23	EPA 200.8
Chromium, Cr	2.8	ug/L		0.20	0.040	DPC	09/24/2013 12:23	EPA 200.8
Cobalt, Co	13.5	ug/L		0.020	0.0040	DPC	09/24/2013 12:23	EPA 200.8
Copper, Cu	0.91	ug/L		0.050	0.010	DPC	09/24/2013 12:23	EPA 200.8
Lead, Pb	0.185	ug/L		0.010	0.0020	DPC	09/24/2013 12:23	EPA 200.8
Mercury, Hg	165	ng/L		10	4.0	JAB	09/25/2013	EPA 1631E
Molybdenum, Mo	3920	ug/L		0.050	0.010	DPC	09/24/2013 12:23	EPA 200.8
Nickel, Ni	195	ug/L		0.20	0.050	DPC	09/24/2013 12:23	EPA 200.8
Selenium, Se	335	ug/L		0.50	0.20	DPC	09/24/2013 12:23	EPA 200.8
Silver, Ag	0.0040	ug/L	J	0.010	0.0020	DPC	09/24/2013 12:23	EPA 200.8
Thallium, Tl	3.60	ug/L		0.050	0.0020	DPC	09/24/2013 12:23	EPA 200.8
Tin, Sn	< 30	ug/L	U	100	30	DAM	09/25/2013 13:37	EPA 200.7
Titanium, Ti	< 3.0	ug/L	U	20	3.0	DAM	09/25/2013 13:37	EPA 200.7
Zinc, Zn	7.0	ug/L		0.50	0.10	DPC	09/24/2013 12:23	EPA 200.8
Aluminum, Al	0.0897	mg/L		0.0010	0.0003	DPC	09/24/2013 12:23	EPA 200.8
Boron, B	188	mg/L		0.20	0.040	DAM	09/25/2013 13:37	EPA 200.7
Calcium, Ca	566	mg/L		0.20	0.040	DAM	09/25/2013 13:37	EPA 200.7
Iron, Fe	0.24	mg/L	J	0.50	0.10	DAM	09/25/2013 13:37	EPA 200.7
Magnesium, Mg	1650	mg/L		0.10	0.020	DAM	09/25/2013 13:37	EPA 200.7
Manganese, Mn	23.4	mg/L		0.0050	0.0010	DAM	09/25/2013 13:37	EPA 200.7
Potassium, K	82.0	mg/L		0.50	0.070	DAM	09/25/2013 13:35	EPA 200.7
Sodium, Na	1070	mg/L		0.30	0.080	DAM	09/25/2013 13:35	EPA 200.7
Strontium, Sr	7.06	mg/L		0.010	0.0030	DAM	09/25/2013 13:35	EPA 200.7
Ammonia, NH3, as N	0.65	mg/L		0.050	0.020	DMM	09/24/2013	EPA 350.1
Total Kjeldahl Nitrogen, TKN as N	4.17	mg/L		0.50	0.10	DMM	09/26/2013	EPA 351.2
Nitrate-Nitrite, NO3-NO2, as N	16.0	mg/L		0.10	0.020	DMM	09/21/2013	SM20 4500NO3 H

1st Stage Feed Dissolved

Sample Number: 133821-005A **Date Collected:** 09/18/2013 **Date Received:** 9/18/2013

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Antimony, Sb	6.36	ug/L		0.050	0.010	DPC	09/24/2013 12:28	EPA 200.8
Arsenic, As	15.8	ug/L		0.10	0.030	DPC	09/24/2013 12:28	EPA 200.8
Barium, Ba	44.7	ug/L		0.10	0.020	DPC	09/24/2013 12:28	EPA 200.8
Beryllium, Be	< 3.0	ug/L	U	10	3.0	DAM	09/25/2013 13:41	EPA 200.7
Cadmium, Cd	0.93	ug/L		0.050	0.010	DPC	09/24/2013 12:28	EPA 200.8
Chromium, Cr	2.1	ug/L		0.20	0.040	DPC	09/24/2013 12:28	EPA 200.8
Cobalt, Co	7.85	ug/L		0.020	0.0040	DPC	09/24/2013 12:28	EPA 200.8
Copper, Cu	0.30	ug/L		0.050	0.010	DPC	09/24/2013 12:28	EPA 200.8
Lead, Pb	0.023	ug/L		0.010	0.0020	DPC	09/24/2013 12:28	EPA 200.8
Mercury, Hg	7.6	ng/L		2.0	0.80	JAB	09/25/2013	EPA 1631E
Molybdenum, Mo	3570	ug/L		0.050	0.010	DPC	09/24/2013 12:28	EPA 200.8
Nickel, Ni	155	ug/L		0.20	0.050	DPC	09/24/2013 12:28	EPA 200.8
Selenium, Se	306	ug/L		0.50	0.20	DPC	09/24/2013 12:28	EPA 200.8
Selenite, Se+4 (Hydride)	255	ug/L		20	4.0	TLT	10/10/2013	AEP Method
Silver, Ag	< 0.0020	ug/L	U	0.010	0.0020	DPC	09/24/2013 12:28	EPA 200.8
Thallium, Tl	2.87	ug/L		0.050	0.0020	DPC	09/24/2013 12:28	EPA 200.8
Tin, Sn	< 30	ug/L	U	100	30	DAM	09/25/2013 13:41	EPA 200.7
Titanium, Ti	< 3.0	ug/L	U	20	3.0	DAM	09/25/2013 13:41	EPA 200.7
Zinc, Zn	4.2	ug/L		0.50	0.10	DPC	09/24/2013 12:28	EPA 200.8
Aluminum, Al	0.0108	mg/L		0.0010	0.0003	DPC	09/24/2013 12:28	EPA 200.8
Boron, B	191	mg/L		0.20	0.040	DAM	09/25/2013 13:41	EPA 200.7
Calcium, Ca	573	mg/L		0.20	0.040	DAM	09/25/2013 13:41	EPA 200.7
Iron, Fe	< 0.10	mg/L	U	0.50	0.10	DAM	09/25/2013 13:41	EPA 200.7
Magnesium, Mg	1680	mg/L		0.10	0.020	DAM	09/25/2013 13:41	EPA 200.7
Manganese, Mn	23.7	mg/L		0.0050	0.0010	DAM	09/25/2013 13:41	EPA 200.7
Potassium, K	82.0	mg/L		0.50	0.070	DAM	09/25/2013 13:39	EPA 200.7
Sodium, Na	1070	mg/L		0.30	0.080	DAM	09/25/2013 13:39	EPA 200.7
Strontium, Sr	7.13	mg/L		0.010	0.0030	DAM	09/25/2013 13:39	EPA 200.7

2nd Stage Feed

Sample Number: 133821-006 **Date Collected:** 09/18/2013 **Date Received:** 9/18/2013

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Antimony, Sb	3.50	ug/L		0.050	0.010	DPC	09/24/2013 12:32	EPA 200.8
Arsenic, As	10.1	ug/L		0.10	0.030	DPC	09/24/2013 12:32	EPA 200.8
Barium, Ba	45.2	ug/L		0.10	0.020	DPC	09/24/2013 12:32	EPA 200.8
Beryllium, Be	< 3.0	ug/L	U	10	3.0	DAM	09/25/2013 13:45	EPA 200.7
Cadmium, Cd	0.66	ug/L		0.050	0.010	DPC	09/24/2013 12:32	EPA 200.8
Chromium, Cr	0.9	ug/L		0.20	0.040	DPC	09/24/2013 12:32	EPA 200.8
Cobalt, Co	6.08	ug/L		0.020	0.0040	DPC	09/24/2013 12:32	EPA 200.8
Copper, Cu	0.15	ug/L		0.050	0.010	DPC	09/24/2013 12:32	EPA 200.8
Lead, Pb	0.044	ug/L		0.010	0.0020	DPC	09/24/2013 12:32	EPA 200.8
Mercury, Hg	12.3	ng/L		2.0	0.80	JAB	09/25/2013	EPA 1631E
Molybdenum, Mo	3260	ug/L		0.050	0.010	DPC	09/24/2013 12:32	EPA 200.8
Nickel, Ni	52.5	ug/L		0.20	0.050	DPC	09/24/2013 12:32	EPA 200.8
Selenium, Se	21.3	ug/L		0.50	0.20	DPC	09/24/2013 12:32	EPA 200.8
Silver, Ag	0.0040	ug/L	J	0.010	0.0020	DPC	09/24/2013 12:32	EPA 200.8
Thallium, Tl	0.88	ug/L		0.050	0.0020	DPC	09/24/2013 12:32	EPA 200.8
Tin, Sn	< 30	ug/L	U	100	30	DAM	09/25/2013 13:45	EPA 200.7
Titanium, Ti	< 3.0	ug/L	U	20	3.0	DAM	09/25/2013 13:45	EPA 200.7
Zinc, Zn	1.2	ug/L		0.50	0.10	DPC	09/24/2013 12:32	EPA 200.8
Aluminum, Al	0.480	mg/L		0.0010	0.0003	DPC	09/24/2013 12:32	EPA 200.8
Boron, B	184	mg/L		0.20	0.040	DAM	09/25/2013 13:45	EPA 200.7
Calcium, Ca	559	mg/L		0.20	0.040	DAM	09/25/2013 13:45	EPA 200.7
Iron, Fe	0.763	mg/L		0.50	0.10	DAM	09/25/2013 13:45	EPA 200.7
Magnesium, Mg	1620	mg/L		0.10	0.020	DAM	09/25/2013 13:45	EPA 200.7
Manganese, Mn	23.2	mg/L		0.0050	0.0010	DAM	09/25/2013 13:45	EPA 200.7
Potassium, K	84.1	mg/L		0.50	0.070	DAM	09/25/2013 13:43	EPA 200.7
Sodium, Na	1100	mg/L		0.30	0.080	DAM	09/25/2013 13:43	EPA 200.7
Strontium, Sr	6.99	mg/L		0.010	0.0030	DAM	09/25/2013 13:43	EPA 200.7
Ammonia, NH3, as N	1.00	mg/L		0.050	0.020	DMM	09/24/2013	EPA 350.1
Total Kjeldahl Nitrogen, TKN as N	3.97	mg/L		0.50	0.10	DMM	09/26/2013	EPA 351.2
Nitrate-Nitrite, NO3-NO2, as N	0.21	mg/L		0.10	0.020	DMM	09/21/2013	SM20 4500NO3 H

2nd Stage Feed Dissolved

Sample Number: 133821-006A **Date Collected:** 09/18/2013 **Date Received:** 9/18/2013

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Antimony, Sb	3.34	ug/L		0.050	0.010	DPC	09/24/2013 12:37	EPA 200.8
Arsenic, As	8.95	ug/L		0.10	0.030	DPC	09/24/2013 12:37	EPA 200.8
Barium, Ba	41.8	ug/L		0.10	0.020	DPC	09/24/2013 12:37	EPA 200.8
Beryllium, Be	< 3.0	ug/L	U	10	3.0	DAM	09/25/2013 13:57	EPA 200.7
Cadmium, Cd	0.58	ug/L		0.050	0.010	DPC	09/24/2013 12:37	EPA 200.8
Chromium, Cr	0.7	ug/L		0.20	0.040	DPC	09/24/2013 12:37	EPA 200.8
Cobalt, Co	5.38	ug/L		0.020	0.0040	DPC	09/24/2013 12:37	EPA 200.8
Copper, Cu	0.51	ug/L		0.050	0.010	DPC	09/24/2013 12:37	EPA 200.8
Lead, Pb	0.023	ug/L		0.010	0.0020	DPC	09/24/2013 12:37	EPA 200.8
Mercury, Hg	3.0	ng/L		1.0	0.40	JAB	09/25/2013	EPA 1631E
Molybdenum, Mo	3020	ug/L		0.050	0.010	DPC	09/24/2013 12:37	EPA 200.8
Nickel, Ni	48.3	ug/L		0.20	0.050	DPC	09/24/2013 12:37	EPA 200.8
Selenium, Se	7.5	ug/L		0.50	0.20	DPC	09/24/2013 12:37	EPA 200.8
Selenite, Se+4 (Hydride)	0.98	ug/L	J	2.0	0.40	TLT	10/10/2013	AEP Method
Silver, Ag	0.0020	ug/L	J	0.010	0.0020	DPC	09/24/2013 12:37	EPA 200.8
Thallium, Tl	0.77	ug/L		0.050	0.0020	DPC	09/24/2013 12:37	EPA 200.8
Tin, Sn	< 30	ug/L	U	100	30	DAM	09/25/2013 13:57	EPA 200.7
Titanium, Ti	< 3.0	ug/L	U	20	3.0	DAM	09/25/2013 13:57	EPA 200.7
Zinc, Zn	3.4	ug/L		0.50	0.10	DPC	09/24/2013 12:37	EPA 200.8
Aluminum, Al	0.428	mg/L		0.0010	0.0003	DPC	09/24/2013 12:37	EPA 200.8
Boron, B	181	mg/L		0.20	0.040	DAM	09/25/2013 13:57	EPA 200.7
Calcium, Ca	547	mg/L		0.20	0.040	DAM	09/25/2013 13:57	EPA 200.7
Iron, Fe	0.656	mg/L		0.50	0.10	DAM	09/25/2013 13:57	EPA 200.7
Magnesium, Mg	1580	mg/L		0.10	0.020	DAM	09/25/2013 13:57	EPA 200.7
Manganese, Mn	22.7	mg/L		0.0050	0.0010	DAM	09/25/2013 13:57	EPA 200.7
Potassium, K	83.6	mg/L		0.50	0.070	DAM	09/25/2013 13:56	EPA 200.7
Sodium, Na	1080	mg/L		0.30	0.080	DAM	09/25/2013 13:56	EPA 200.7
Strontium, Sr	6.84	mg/L		0.010	0.0030	DAM	09/25/2013 13:56	EPA 200.7

Bioreactor Effluent

Sample Number: 133821-007 **Date Collected:** 09/18/2013 **Date Received:** 9/18/2013

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Antimony, Sb	0.09	ug/L		0.050	0.010	DPC	09/24/2013 12:42	EPA 200.8
Arsenic, As	0.68	ug/L		0.10	0.030	DPC	09/24/2013 12:42	EPA 200.8
Barium, Ba	53.9	ug/L		0.10	0.020	DPC	09/24/2013 12:42	EPA 200.8
Beryllium, Be	< 3.0	ug/L	U	10	3.0	DAM	09/25/2013 14:01	EPA 200.7
Cadmium, Cd	0.016	ug/L	J	0.050	0.010	DPC	09/24/2013 12:42	EPA 200.8
Chromium, Cr	0.8	ug/L		0.20	0.040	DPC	09/24/2013 12:42	EPA 200.8
Cobalt, Co	0.087	ug/L		0.020	0.0040	DPC	09/24/2013 12:42	EPA 200.8
Copper, Cu	8.66	ug/L		0.050	0.010	DPC	09/24/2013 12:42	EPA 200.8
Lead, Pb	0.650	ug/L		0.010	0.0020	DPC	09/24/2013 12:42	EPA 200.8
Mercury, Hg	3.8	ng/L		1.0	0.40	JAB	09/25/2013	EPA 1631E
Molybdenum, Mo	49.2	ug/L		0.050	0.010	DPC	09/24/2013 12:42	EPA 200.8
Nickel, Ni	2.95	ug/L		0.20	0.050	DPC	09/24/2013 12:42	EPA 200.8
Selenium, Se	1.4	ug/L		0.50	0.20	DPC	09/24/2013 12:42	EPA 200.8
Silver, Ag	< 0.0020	ug/L	U	0.010	0.0020	DPC	09/24/2013 12:42	EPA 200.8
Thallium, Tl	0.028	ug/L	J	0.050	0.0020	DPC	09/24/2013 12:42	EPA 200.8
Tin, Sn	< 30	ug/L	U	100	30	DAM	09/25/2013 14:01	EPA 200.7
Titanium, Ti	< 3.0	ug/L	U	20	3.0	DAM	09/25/2013 14:01	EPA 200.7
Zinc, Zn	6.0	ug/L		0.50	0.10	DPC	09/24/2013 12:42	EPA 200.8
Aluminum, Al	2.25	mg/L		0.0010	0.0003	DPC	09/24/2013 12:42	EPA 200.8
Boron, B	185	mg/L		0.20	0.040	DAM	09/25/2013 14:01	EPA 200.7
Calcium, Ca	551	mg/L		0.20	0.040	DAM	09/25/2013 14:01	EPA 200.7
Iron, Fe	1.84	mg/L		0.50	0.10	DAM	09/25/2013 14:01	EPA 200.7
Magnesium, Mg	1590	mg/L		0.10	0.020	DAM	09/25/2013 14:01	EPA 200.7
Manganese, Mn	22.7	mg/L		0.0050	0.0010	DAM	09/25/2013 14:01	EPA 200.7
Potassium, K	88.4	mg/L		0.50	0.070	DAM	09/25/2013 14:00	EPA 200.7
Sodium, Na	1080	mg/L		0.30	0.080	DAM	09/25/2013 14:00	EPA 200.7
Strontium, Sr	6.76	mg/L		0.010	0.0030	DAM	09/25/2013 14:00	EPA 200.7
Ammonia, NH3, as N	0.20	mg/L		0.050	0.020	DMM	09/24/2013	EPA 350.1
Total Kjeldahl Nitrogen, TKN as N	3.70	mg/L		0.50	0.10	DMM	09/26/2013	EPA 351.2
Nitrate-Nitrite, NO3-NO2, as N	< 0.020	mg/L	U	0.10	0.020	DMM	09/21/2013	SM20 4500NO3 H

Bioreactor Effluent Dissolved

Sample Number: 133821-007A **Date Collected:** 09/18/2013 **Date Received:** 9/18/2013

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Antimony, Sb	0.09	ug/L		0.050	0.010	DPC	09/24/2013 12:47	EPA 200.8
Arsenic, As	0.62	ug/L		0.10	0.030	DPC	09/24/2013 12:47	EPA 200.8
Barium, Ba	52.7	ug/L		0.10	0.020	DPC	09/24/2013 12:47	EPA 200.8
Beryllium, Be	< 3.0	ug/L	U	10	3.0	DAM	09/25/2013 14:05	EPA 200.7
Cadmium, Cd	0.014	ug/L	J	0.050	0.010	DPC	09/24/2013 12:47	EPA 200.8
Chromium, Cr	0.7	ug/L		0.20	0.040	DPC	09/24/2013 12:47	EPA 200.8
Cobalt, Co	0.073	ug/L		0.020	0.0040	DPC	09/24/2013 12:47	EPA 200.8
Copper, Cu	0.18	ug/L		0.050	0.010	DPC	09/24/2013 12:47	EPA 200.8
Lead, Pb	0.162	ug/L		0.010	0.0020	DPC	09/24/2013 12:47	EPA 200.8
Mercury, Hg	1.3	ng/L		0.50	0.20	JAB	09/25/2013	EPA 1631E
Molybdenum, Mo	45.7	ug/L		0.050	0.010	DPC	09/24/2013 12:47	EPA 200.8
Nickel, Ni	2.49	ug/L		0.20	0.050	DPC	09/24/2013 12:47	EPA 200.8
Selenium, Se	0.9	ug/L		0.50	0.20	DPC	09/24/2013 12:47	EPA 200.8
Selenite, Se+4 (Hydride)	< 0.080	ug/L	U	0.40	0.080	TLT	10/10/2013	AEP Method
Silver, Ag	< 0.0020	ug/L	U	0.010	0.0020	DPC	09/24/2013 12:47	EPA 200.8
Thallium, Tl	0.013	ug/L	J	0.050	0.0020	DPC	09/24/2013 12:47	EPA 200.8
Tin, Sn	< 30	ug/L	U	100	30	DAM	09/25/2013 14:06	EPA 200.7
Titanium, Ti	< 3.0	ug/L	U	20	3.0	DAM	09/25/2013 14:05	EPA 200.7
Zinc, Zn	2.5	ug/L		0.50	0.10	DPC	09/24/2013 12:47	EPA 200.8
Aluminum, Al	2.10	mg/L		0.0010	0.0003	DPC	09/24/2013 12:47	EPA 200.8
Boron, B	180	mg/L		0.20	0.040	DAM	09/25/2013 14:05	EPA 200.7
Calcium, Ca	539	mg/L		0.20	0.040	DAM	09/25/2013 14:05	EPA 200.7
Iron, Fe	1.71	mg/L		0.50	0.10	DAM	09/25/2013 14:05	EPA 200.7
Magnesium, Mg	1550	mg/L		0.10	0.020	DAM	09/25/2013 14:05	EPA 200.7
Manganese, Mn	22.2	mg/L		0.0050	0.0010	DAM	09/25/2013 14:05	EPA 200.7
Potassium, K	86.4	mg/L		0.50	0.070	DAM	09/25/2013 14:04	EPA 200.7
Sodium, Na	1060	mg/L		0.30	0.080	DAM	09/25/2013 14:04	EPA 200.7
Strontium, Sr	6.63	mg/L		0.010	0.0030	DAM	09/25/2013 14:04	EPA 200.7

Field Blank

Sample Number: 133821-008 **Date Collected:** 09/18/2013 **Date Received:** 9/18/2013

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Mercury, Hg	< 0.20	ng/L	U	0.50	0.20	JAB	09/25/2013	EPA 1631E

U: Analyte was analyzed and not detected at or above adjusted Method Detection Limit
J: Analyte was positively identified, though the quantitation was below Reporting Limit.

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THIS TEST REPORT RELATES ONLY TO THE ITEMS TESTED AND SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT WRITTEN APPROVAL OF THE LABORATORY. ALL TEST RESULTS MEET ALL OF THE REQUIREMENTS OF THE ACCREDITING AUTHORITY, UNLESS OTHERWISE NOTED.