

APPENDIX 2

ADDITIONAL ANALYTICAL FOR MUD REUSE



Memo

To: Geoff Pyka and Shawn Zablocki, ConAgra Foods
From: Pat Dunn
Re: Additional Analytical for Mud Reuse
Date: 8/26/09

In order to address agronomic loading rates and some of the toxicity concerns raised from a series of public comments regarding the mud reuse plan, additional analyses were completed for characterization efforts as described below.

Additional 2009 Sampling Effort

As referenced in the operation plan, Dunn Environmental performed additional sampling of the Aerated Pond mud on July 14, 2009. Previous sampling efforts related to the Aerated Mud and Rinse Mud were completed in 2007 and 2004. For the 2009 sampling effort, samples were taken using 3 inch diameter Shelby tube that was pushed into the sludge and underlying sediment. The Shelby tubes were either 2.5 or 3 feet in length. Samples were then lifted out and placed in gallon plastic bags and stored on ice in coolers. If sludge was present within the sampler, the sludge was removed from the top and submitted to the lab as a separate sample. Sediment and sludge were described according to composition and color using a Munsell Color Chart. Ten sludge samples and one sediment sample were collected as summarized below to augment the 2007 sampling effort when 17 samples were collected.

Aerated Pond sediment was consistent in description. Sludge samples were high in moisture, slight odor with low plasticity organic material. The grain size was primarily silt with 0.5 to 1 mm organics with color ranging from very dark brown (10YR 2/2) to black (10YR 2/1). Most samples had a gelatinous or paste-like texture with the exception of areas where the aerators had removed sludge due to the strength of the aerator engines. The waypoints 173, 180, and 188 were void of sludge and consisted of a stiff clay-like material with poor sample return.

Rinse mud samples were collected directly from the clarifier box on site. These samples were composed of silt soils, tomato stems and broken tomatoes.

Additional 2009 Analytical Results

The additional analyses and comparisons provided are associated with metal results primarily. The Total CAM (California Assessment Metals) and DTPA values (Plant Available) for the aerated mud 2007 and the 2009 Total CAM and DI-Wet leachate method (STLC) results were compared as presented in the following tables. An additional rinse mud was collected and analyzed for the CAM17 (totals and STLCs) and pesticides.

For the 2007 and 2009 aerated mud general mineral/inorganic analyses were repeated as depicted on Table 1 and 2: pH ranged from 5.6 to 8.3 with an average of 7.9 and 6.8 for the two years respectively; total dissolved solids ranged from 1,300 to 6,000 ppm with an average of 2,600 and 2,207 ppm for the two years respectively; specific conductance averages were 3,929 to 4,238 $\mu\text{S}/\text{cm}$. Total organic carbon ranged from 600 to 32,000 ppm. When comparing inorganic results from 2007 and 2009, the following is apparent: CEC, chloride, magnesium, pH, and TOC are lower during 2009. Moisture, Total nitrogen, phosphorus, K, SAR, Na, and TKN are high for the 2009 sampling. The total nitrogen average concentrations were 1,731 ppm for 2007 versus 105,404 ppm for 2009.

For the referenced 2009 mud samples, the total CAM values indicate the total metal concentrations, DTPA values reflect the portion of nutrients available to plants and the Deionized (DI) -Wet Tests are used for special waste classification. Special waste disposal options, as per Title 22 and 27 of the California Code of Regulations (CCR), are determined based on the Total and DI-Wet leachable test results. The individual and average total, extractable and DI-Wet metal results are presented in Tables 3 through 5. Results were also compared to CCR Title 14 California Integrated Waste Management Compost regulation maximum acceptable metal concentrations. The Title 14 regulatory levels are three to ten times lower than the Title 27 special waste disposal criteria and provided on Table 3. Note that no laboratory results were reported above the total or DI-Wet extractable metal levels for the Title 14 for compost, 22 and 27 regulations. The values are significant lower than these regulatory limits. DTPA and total metal results are similar between 2007 and 2009, with the exceptions of nickel and lead

which were lower during 2009. Additionally, total barium concentrations were lower for the 2009 sampling effort.

For rinse mud, pH ranged from 5.3 to 6.8, nitrogen ranged from 0.28 to 12.41 lbs/ton of material. Zinc and boron were reported as low values. CAM 17 total metals were reported at background levels. Arsenic ranged from non-detect to 2.6 ppm and chromium was reported from 7 to 23 ppm. Pesticides were not detected. Refer to Table 6 for the summary of these results.

Note that the land application of aerated and rinse muds will be conducted based on the use of agronomic application rates and good farming practices.

Table 1 - Aerated Pond Mud
General Mineral/Inorganics 2007
9/9/07 and 10/23/07 Sampling

Sample Name Units	Boron ppm	Ca ppm	CEC meq/L	Cl meq/L	EC uS/cm	Excess Carbonates NA	Total Fixed Solids mg/L	Mg ppm	Moisture %	Nitrate Nitrogen ppm	Percolation NA	pH Units	Phosphorus ppm	Potassium ppm	SAR %	Sodium ppm	Soluble Salts ppm	Sulfate Sulfur ppm	TDS ppm	TKN ppm	Total Nitrogen ppm	TOC ppm
WP-5	-	-	4.3	-	2,500	-	-	-	43	<2.0	-	7.7	1	-	-	-	-	-	-	-	460	1,000
WP-9	-	-	4.2	-	1,200	-	-	-	41	<2.0	-	7.6	0.8	-	-	-	-	-	-	-	390	390
WP-11	-	-	3.3	-	530	-	-	-	33	<2.0	-	7.6	0.2	-	-	-	-	-	-	-	180	180
WP-12	-	-	2.4	-	320	-	-	-	38	<2.0	-	7.4	<0.2	-	-	-	-	-	-	-	60	60
WP-28	-	660	90	94	3,000	-	310,000	6500	39	1.1	-	8.2	88	440	0.7	290	-	-	4,100	1,700	1,700	23,000
WP-30	-	620	80	86	1,800	-	270,000	4100	29	0.6	-	7.9	84	540	0.7	210	-	-	3,300	1,600	1,600	21,000
WP-31	-	630	80	57	4,100	-	210,000	3200	34	<1.0	-	8	76	930	0.6	180	-	-	3,600	1,700	1,700	21,000
WP-32	-	590	60	88	7,000	-	110,000	2000	21	0.7	-	8.2	90	820	0.8	190	-	-	2,400	3,000	3,000	21,000
WP-43	-	650	60	88	6,900	-	130,000	2100	21	0.4	-	8.3	86	750	0.7	170	-	-	1,500	3,200	3,200	17,000
WP-47	-	610	70	47	5,900	-	140,000	2100	22	0.5	-	8.1	94	840	0.7	160	-	-	2,600	2,400	2,400	20,000
WP-48	-	580	60	63	6,200	-	380,000	2700	41	0.4	-	8.2	58	980	0.7	170	-	-	2,300	2,400	2,400	15,000
WP-53	-	520	50	95	4,600	-	220,000	3000	36	0.4	-	8.2	82	760	0.6	160	-	-	2,200	2,800	2,800	23,000
WP-59	-	1500	70	93	7,200	-	120,000	2200	20	0.7	-	8.1	78	760	0.6	150	-	-	1,700	2,500	2,500	21,000
WP-61	-	640	50	55	3,900	-	400,000	2400	39	0.5	-	8.1	106	830	0.7	160	-	-	1,300	1,600	1,600	17,000
WP-64	-	970	60	91	2,500	-	200,000	3100	31	0.7	-	7.4	46	450	0.9	250	-	-	6,000	1,300	1,300	32,000
WP-65	-	650	60	75	4,600	-	180,000	2700	27	0.5	-	7.9	114	810	0.7	170	-	-	2,400	2,000	2,000	23,000
WP-66	-	660	50	88	5,400	-	130,000	2100	22	0.5	-	8	82	730	0.8	180	-	-	1,900	1,200	1,200	19,000
WP-67	-	570	70	110	4,300	-	290,000	2700	34	0.3	-	8	114	930	0.7	190	-	-	1,700	1,800	1,800	22,000
WP-72	-	470	80	66	2,700	-	300,000	4000	40	1.6	-	8.1	122	380	0.6	190	-	-	2,000	2,600	2,600	27,000
Average	NA	688	53	80	3,929	NA	226,000	2,993	32	0.6	NA	7.9	73	742	0.7	188	NA	NA	2,600	1,731	1,731	19,664

Table 2 - Aerated Pond Mud
General Mineral/Inorganics 2009
7/14/09 Sampling

Sample Name Units	Boron ppm	Ca ppm	CEC	Cl mg/L	EC uS/cm	Excess Carbonates NA	Fixed Dissolved Solids ppm	Mg ppm	Moisture %	Nitrate Nitrogen ppm	Percolation NA	pH Units	Phosphorus ppm	Potassium ppm	SAR %	Sodium ppm	Soluble Salts ppm	Sulfate Sulfur ppm	TDS ppm	TKN ppm	Total Nitrogen ppm	TOC ppm
6-25 NE CORNER	0.15	1230	10.8	4.3	1,590	None	224	201	59.3	44	High	6.3	98	348	0.16	73	1,018	180	828	297	29,400	2,200
6-26 NW CORNER	0.35	950	12.5	9.1	2,920	None	191	286	62	116	High	6.3	122	661	0.59	381	1,869	160	1,510	616	71,700	2,800
6-26 SETTLING POND	0.44	1140	16.3	12.6	6,430	None	796	398	77	340	High	6.3	125	1,050	0.45	446	4,115	445	3,340	778	112,000	1,900
6-27 SE CORNER	0.25	890	10.8	9.8	4,290	None	412	261	56.3	220	High	6.8	118	722	0.56	318	2,746	185	2,300	627	61,500	2,300
6-27 SW CORNER	0.14	660	5.7	7.1	3,210	None	301	136	27.6	287	High	7.1	60	323	0.37	104	2,054	180	1,710	179	14,000	600
6-29 S CENTRAL	0.25	760	13	7.6	2,340	None	379	355	22.5	94	High	5.6	118	481	0.31	165	1,498	125	1,250	224	18,800	1,200
6-29 SE SIDE	0.49	530	6.1	5.9	3,500	None	277	181	35	87	High	6.6	62	365	0.47	10	2,240	110	1,810	218	21,600	1,100
6-30 WEST SIDE	0.13	640	6.9	6.9	1,980	None	174	208	31.2	102	High	7	84	554	0.42	129	1,267	118	1,020	207	20,000	2,100
6-30 EAST SIDE	0.17	1450	13.3	8.4	3,090	None	156	261	72.9	88	High	7.3	124	708	0.36	480	1,978	200	1,620	941	128,000	3,300
6-30 SOUTH SIDE	0.28	1190	13.4	7.6	2,980	None	196	297	68.4	101	None	6.7	119	729	0.47	451	1,907	90	1,540	711	82,700	2,700
WP 172-SLUDGE	0.29	1250	20	21.4	3,010	None	784	458	92.8	116	Moderate	6.9	470	1,480	2.3	1430	1,926	525	1,530	17,640	199,000	4,800
WP 175-SOLIDS	0.37	980	12.9	15.7	5,350	None	813	352	79.3	370	High	6.9	345	1,040	1.5	573	3,424	300	2,790	9,240	188,000	4,500
WP 175-SLUDGE	0.38	1400	23.8	20.7	6,040	None	904	539	93.4	401	High	6.7	460	1,570	1.8	1420	3,866	305	3,150	17,470	139,000	4,300
WP 176-SOLIDS	0.36	970	13.6	13.2	5,060	None	766	318	77.5	298	High	6.8	330	990	1.5	540	3,238	325	2,630	8,850	301,000	4,900
WP 176-SLUDGE	0.41	1420	25.7	27.1	7,490	None	1040	628	96.2	410	Low	7.1	515	2,280	2	1750	4,794	360	3,760	6,940	98,000	4,900
WP 176-SLUDGE	0.31	890	11.3	12.2	4,720	None	617	345	76.7	112	High	7	131	831	1.4	438	3,021	250	2,460	9,460	118,000	3,500
WP 179-SOLIDS	0.33	1010	12.7	11.9	4,890	None	702	279	72.9	152	High	6.8	128	832	1.3	479	3,130	370	2,540	7,950	117,000	3,700
WP 178-SOLIDS	0.31	1180	13.7	14.1	5,050	None	941	373	79.3	214	High	6.9	380	937	1	536	3,232	145	2,650	11,200	151,000	4,300
WP 179-SOLIDS	0.16	1220	13	12.2	3,660	None	610	297	43.1	76	High	7.3	111	1,050	0.8	413	2,342	275	1,880	5,712	95,000	4,200
WP 180-SOLIDS	0.38	870	11.8	12.9	4,860	None	490	336	74	88	High	6.9	128	1,020	1.6	481	3,110	170	2,550	9,464	104,000	3,600
WP 182-SOLIDS	0.32	1030	16.1	15.1	5,800	None	876	330	84.8	161	High	6.8	345	1,230	2.1	840	3,712	115	3,070	11,704	123,000	4,200
WP 183 Sludge	0.34	980	15.7	15.1	5,200	None	581	411	85.7	276	High	6.7	415	907	2	840	3,328	500	2,730	8,740	138,000	3,700
WP 183 Solids	0.23	850	8.3	9.6	3,530	None	326	189	62.3	155	High	7.2	118	567	1	240	2,259	225	1,810	5,090	72,000	2,600
WP 187	0.38	930	13.8	13.9	4,730	None	564	330	79.3	189	High	6.7	128	1,010	1.8	606	3,027	280	2,480	10,080	127,000	3,700
Average	0.30	1,017.5	13	12	4,238	NA	547	324	67	187	NA	6.8	210	903.5	1.09	548	2712.5	247	2,207	6,014	105,404	3,188

Table 3 - Total Metals
2007 and 2009
Units in mg/kg

Sample Name	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Iron	Lead	Manganese	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
9/9/07 and 10/23/07 Sampling																				
WP-5	<2.0	1.5	90	<1.0	<1.0	7.8	3.6	8.6	-	10	-	<0.1	1	19	<1.0	<1.0	<1.0	6.2	58	
WP-9	<2.0	1.9	92	<1.0	<1.0	6.8	3.4	9.5	-	12	-	<0.1	1	20	<1.0	<1.0	<1.0	6.4	56	
WP-11	<2.0	1.3	87	<1.0	<1.0	5.9	3.7	6.1	-	12	-	<0.1	1.2	18	<1.0	<1.0	<1.0	6.4	45	
WP-12	<2.0	1.2	88	<1.0	<1.0	3.2	4.8	0	-	3.2	-	<0.1	<1.0	5.6	<1.0	<1.0	<1.0	7	17	
WP-28	<2.0	2.1	77	<1.0	<1.0	27	4.1	43	12000	5.5	230	<0.1	1.2	25	<1.0	<1.0	<1.0	24	83	
WP-30	<2.0	2	90	<1.0	<1.0	30	4.2	53	13000	5.6	180	<0.1	1	25	<1.0	<1.0	<1.0	24	76	
WP-31	<2.0	2.3	89	<1.0	<1.0	29	3.9	49	11000	5.4	140	<0.1	<1.0	25	<1.0	<1.0	<1.0	24	75	
WP-32	<2.0	1.5	63	<1.0	<1.0	21	2.7	37	7200	3.5	100	<0.1	1.1	16	<1.0	<1.0	<1.0	16	55	
WP-43	<2.0	1.5	58	<1.0	<1.0	18	2.7	32	8000	3.3	130	<0.1	<1.0	15	<1.0	<1.0	<1.0	16	50	
WP-47	<2.0	1.6	59	<1.0	<1.0	19	2.7	31	8200	3.7	130	0.3	1.1	17	<1.0	<1.0	<1.0	17	54	
WP-48	<2.0	2	71	<1.0	<1.0	26	4	36	12000	4.2	220	<0.1	<1.0	22	<1.0	<1.0	<1.0	20	52	
WP-53	<2.0	1.9	60	<1.0	<1.0	20	3	35	8700	4.9	130	<0.1	<1.0	22	<1.0	<1.0	<1.0	20	59	
WP-59	<2.0	1.6	58	<1.0	<1.0	17	2.7	33	7200	4.2	110	<0.1	<1.0	17	<1.0	<1.0	<1.0	17	56	
WP-61	<2.0	1.5	61	<1.0	<1.0	19	3.3	25	11000	4.7	130	<0.1	<1.0	18	<1.0	<1.0	<1.0	26	50	
WP-64	<2.0	2.8	71	<1.0	<1.0	23	3.3	37	10000	9.9	140	<0.1	<1.0	29	<1.0	<1.0	<1.0	28	66	
WP-65	<2.0	3	75	<1.0	<1.0	24	3.6	40	8900	10	160	<0.1	<1.0	31	<1.0	<1.0	<1.0	30	71	
WP-66	<2.0	1.6	52	<1.0	<1.0	15	2.5	30	7700	4.3	120	<0.1	<1.0	19	<1.0	<1.0	<1.0	19	52	
WP-67	<2.0	2.1	77	<1.0	<1.0	23	3.9	38	13000	8.8	210	<0.1	<1.0	24	<1.0	<1.0	<1.0	27	69	
WP-72	<2.0	2.8	87	<1.0	<1.0	28	4.2	49	13000	9.2	190	<0.1	1	30	<1.0	<1.0	<1.0	31	92	
7/14/09 Sampling																				
WP 172	<2.0	1.5	34	<1.0	<1.0	11	1.9	23	-	2.7	-	<0.1	<1.0	13	<1.0	<1.0	<1.0	13	42	
WP 175	<2.0	1.9	48	<1.0	<1.0	14	2.3	28	-	1.7	-	<0.1	<1.0	11	<1.0	<1.0	<1.0	12	45	
WP 176	<2.0	1.7	68	<1.0	<1.0	18	3	40	-	1.4	-	<0.1	<1.0	15	<1.0	<1.0	<1.0	17	51	
WP 178	<2.0	1.6	52	<1.0	<1.0	18	2.5	30	-	2.5	-	<0.1	<1.0	14	<1.0	<1.0	<1.0	14	48	
WP 179	<2.0	1.5	40	<1.0	<1.0	14	2.3	26	-	3	-	<0.1	<1.0	13	<1.0	<1.0	<1.0	14	45	
WP 181	<2.0	1.7	39	<1.0	<1.0	12	2.1	24	-	2.3	-	<0.1	<1.0	11	<1.0	<1.0	<1.0	13	39	
WP 182	<2.0	2.3	40	<1.0	<1.0	14	2	26	-	2.8	-	<0.1	<1.0	15	<1.0	<1.0	<1.0	15	43	
WP 183 Sludge	<2.0	1	35	<1.0	<1.0	11	1.7	24	-	1.4	-	<0.1	<1.0	8.8	<1.0	<1.0	<1.0	8.4	39	
WP 183 Solids	<2.0	2.6	50	<1.0	<1.0	17	2.7	31	-	6.1	-	0.3	<1.0	25	<1.0	<1.0	<1.0	27	47	
WP 187	<2.0	1.2	48	<1.0	<1.0	15	2.1	32	-	1.7	-	<0.1	<1.0	12	<1.0	<1.0	<1.0	12	47	
Average	NA	1.8	64	NA	NA	17	3.1	30	10,060	5.2	155	NA	1.1	18.5	NA	NA	NA	17.6	54.6	
Title 14 Compost Maximum	NA	41	NA	NA	39	1,200	NA	1,500	NA	300	NA	17	NA	420	36	NA	NA	NA	2,800	
Title 22 Special Waste TTLC Levels	500	500	10,000	75	100	2,500	8,000	2,500	NA	10,000	NA	20	3,500	2,000	100	500	700	2,400	5,000	

Table 4 - Aerated Pond Mud
DTPA Metals
9/9/07 and 10/23/07
Units in mg/kg

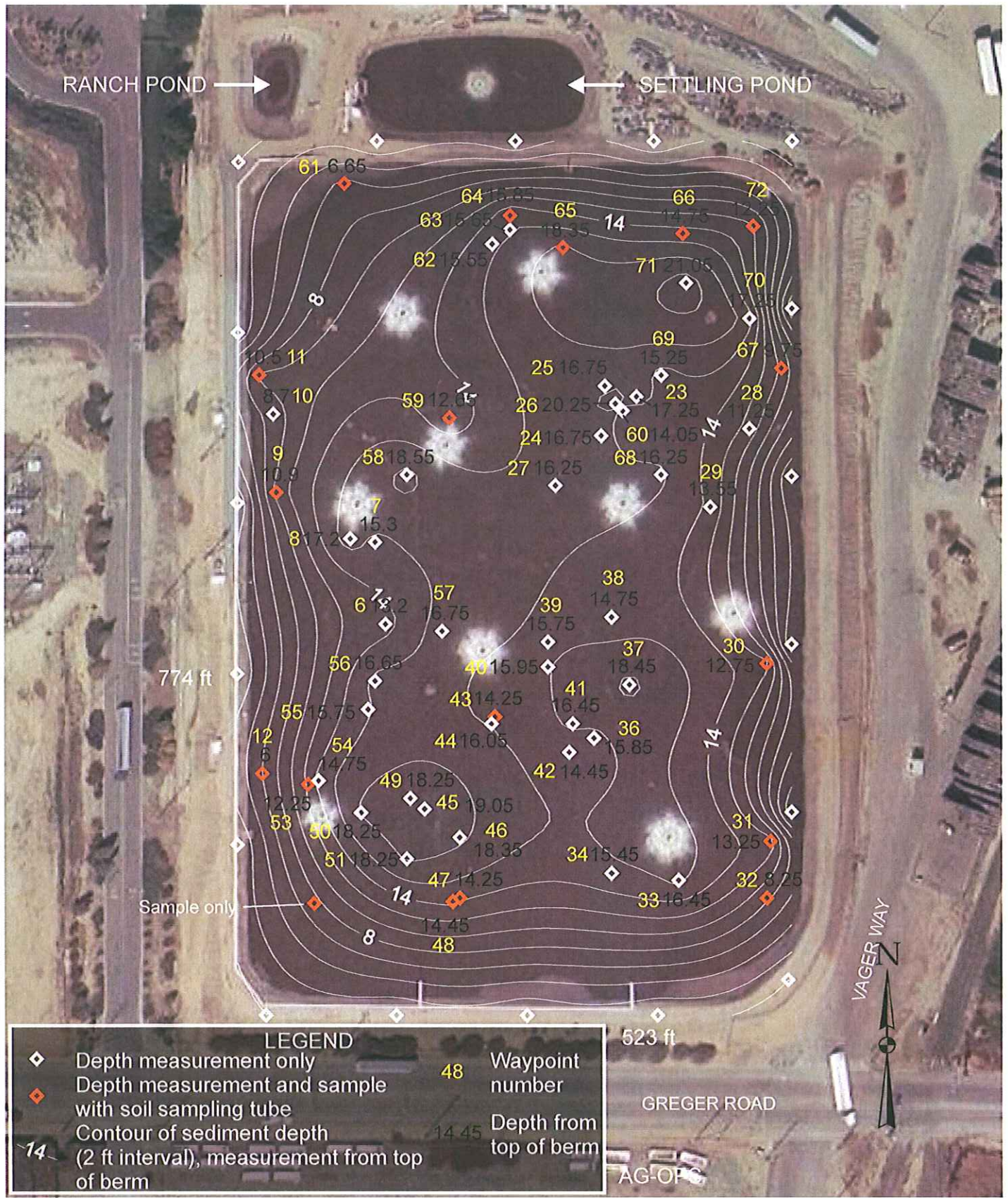
Sample Name	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Iron	Lead	Manganese	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
WP-5	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	290	2.3	<20	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	1	<5.0
WP-9	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	330	3.1	<20	<0.10	<1.0	1.6	<1.0	<1.0	<1.0	1.3	5.6
WP-11	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	220	3.2	<20	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<5.0
WP-12	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	48	<1.0	22	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
WP-28	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	190	3.9	<20	<0.10	<1.0	1.9	<1.0	<1.0	<1.0	1.3	13
WP-30	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	300	1.5	<20	<0.10	<1.0	1.4	<1.0	<1.0	<1.0	1.4	5.2
WP-31	<2.0	<1.0	8.4	<1.0	<1.0	<1.0	<1.0	6.4	220	1.5	<20	<0.10	<1.0	1.4	<1.0	18	<1.0	1.5	22
WP-32	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	4.7	180	1.3	<20	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	18
WP-43	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	6.8	140	<1.0	<20	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	18
WP-47	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	5.2	140	1.1	<20	<0.10	<1.0	1.5	<1.0	<1.0	<1.0	1.3	22
WP-48	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	220	1.1	<20	<0.10	<1.0	1	<1.0	<1.0	<1.0	1.2	18
WP-53	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	260	1.5	<20	<0.10	<1.0	3.2	<1.0	<1.0	<1.0	1.6	11
WP-59	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	2.2	140	<1.0	<20	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	9.5	7
WP-61	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	120	1.1	<20	<0.10	<1.0	1	<1.0	<1.0	<1.0	1.4	7
WP-64	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	2.6	250	3.2	<20	<0.10	<1.0	6.1	<1.0	<1.0	<1.0	1.8	14
WP-65	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	3.3	240	2.7	<20	<0.10	<1.0	4.4	<1.0	<1.0	<1.0	2.1	14
WP-66	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	210	1.4	<20	<0.10	<1.0	2	<1.0	<1.0	<1.0	1.4	9.9
WP-67	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	220	1.6	<20	<0.10	<1.0	1.7	<1.0	<1.0	<1.0	1.5	5.6
WP-72	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	440	3.6	<20	<0.10	<1.0	7.2	<1.0	<1.0	<1.0	2.4	7.8
Average	NA	NA	8.4	NA	NA	NA	NA	4.5	219	2.1	22	NA	NA	2.6	NA	18	NA	1.5	7.2
Title 14 Compost Maximums	NA	41	NA	NA	39	1200	NA	1500	NA	300	NA	17	NA	420	36	NA	NA	NA	2800

Table 5 - Aerated Pond Mud
DI Wet Test Metals
7/14/09
Units in mg/L

Sample Name	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Ca	Mg	K	Na
WP 175	<0.2	<0.1	1.7	<0.1	<0.1	<0.1	<0.1	<0.2	170	<0.1	<0.01	<0.1	0.1	<0.1	<0.1	<0.1	0.2	1.3	46	18	14	<5.0
WP 178	<0.2	<0.1	1.9	<0.1	<0.1	<0.1	<0.1	<0.2	210	<0.1	<0.01	<0.1	0.2	<0.1	<0.1	<0.1	0.2	1.5	45	21	15	<5.0
WP 179	<0.2	<0.1	2	<0.1	<0.1	<0.1	<0.1	<0.2	140	<0.1	<0.01	<0.1	0.2	<0.1	<0.1	<0.1	0.3	1.6	75	22	13	<5.0
WP 183 Solids	<0.2	<0.1	2.1	<0.1	<0.1	<0.1	<0.1	<0.2	160	<0.1	<0.01	<0.1	0.4	<0.1	<0.1	<0.1	0.4	1.8	65	22	13	<5.0
Average	NA	NA	1.9	NA	NA	NA	NA	4.5	170	2.1	4.7	NA	0.2	NA	18.0	NA	0.3	1.6	58	21	14	NA
Title 22 STLCD Disposal Criteria	15	5	100	0.75	1	5	80	25	NA	5	0.2	350	20	I	5	7	24	50				

Table 6 - Rinse Mud Results from 2004 and 2009

Sample Analysis Date	Units	7/21/04	8/5/04	8/11/04	9/2/04	9/2/04	9/16/04	9/24/04	10/4/04	10/6/04	8/6/09	Average Nutrients Lbs/Ton of Rinse Mud Application
pH		-	6.2	6.5	6.8	5.5	5.3	5.5	5.7	5.4	6.8	-
Soluble Salts		-	4.1	1.6	5.3	1.8	2.1	2.4	2.5	2.3	1.91	-
dS/m	%	-	0.31	0.14	0.29	0.1	0.01	0.06	0.32	0.02	-	-
Cl	Pounds Nutrients /Wet Ton											
Nitrogen	Pounds Nutrients /Wet Ton	4.99	2.87	1.1	4.16	4.09	12.41	10.08	3.82	2.93	0.28	4.613
Boron	Nutrients /Wet Ton	0.0458	<0.01	0.005	0.04	0.026	0.06	0.073	0.0225	0.062	<0.01	0.0417
Zn	Pounds Nutrients /Wet Ton	0.091	0.0208	0.005	0.08	0.026	0.06	0.049	<0.0225	0.0312	0.0192	0.0425
PO4	ppm	-	-	-	-	-	-	-	-	-	125	-
K	ppm	-	-	-	-	-	-	-	-	-	2580	-
Ca	ppm	-	-	-	-	-	-	-	-	-	2170	-
Mg	ppm	-	-	-	-	-	-	-	-	-	719	-
Na	ppm	-	-	-	-	-	-	-	-	-	229	-
Mn	ppm	-	-	-	-	-	-	-	-	-	54	-
Sulfate	ppm	-	-	-	-	-	-	-	-	-	430	-
Fe	ppm	-	-	-	-	-	-	-	-	-	70	-
CEC	meq/100gm	-	-	-	-	-	-	-	-	-	26.8	-
Sb	ppm	-	-	-	-	-	-	-	-	-	<2.0	-
As	ppm	2.6	2.5	-	-	1.2	ND	1.5	-	1.5	<1.0	-
Ba	ppm	-	-	-	-	-	-	-	-	-	24	-
Be	ppm	-	-	-	-	-	-	-	-	-	<1.0	-
Cd	ppm	-	-	-	-	-	-	-	-	-	<1.0	-
Cr	ppm	14.3	12.9	-	-	27.3	36.2	12	-	15.9	7.0	-
Co	ppm	-	-	-	-	-	-	-	-	-	<1.0	-
Cu	ppm	-	-	-	-	-	-	-	-	-	3.6	-
Pb	ppm	-	-	-	-	-	-	-	-	-	<1.0	-
Hg	ppm	-	-	-	-	-	-	-	-	-	<0.1	-
Mo	ppm	-	-	-	-	-	-	-	-	-	<1.0	-
Ni	ppm	-	-	-	-	-	-	-	-	-	7.8	-
Se	ppm	-	-	-	-	-	-	-	-	-	<1.0	-
Ag	ppm	-	-	-	-	-	-	-	-	-	<1.0	-
Tl	ppm	-	-	-	-	-	-	-	-	-	<1.0	-
V	ppm	-	-	-	-	-	-	-	-	-	6.2	-
Zn	ppm	-	-	-	-	-	-	-	-	-	9.6	-

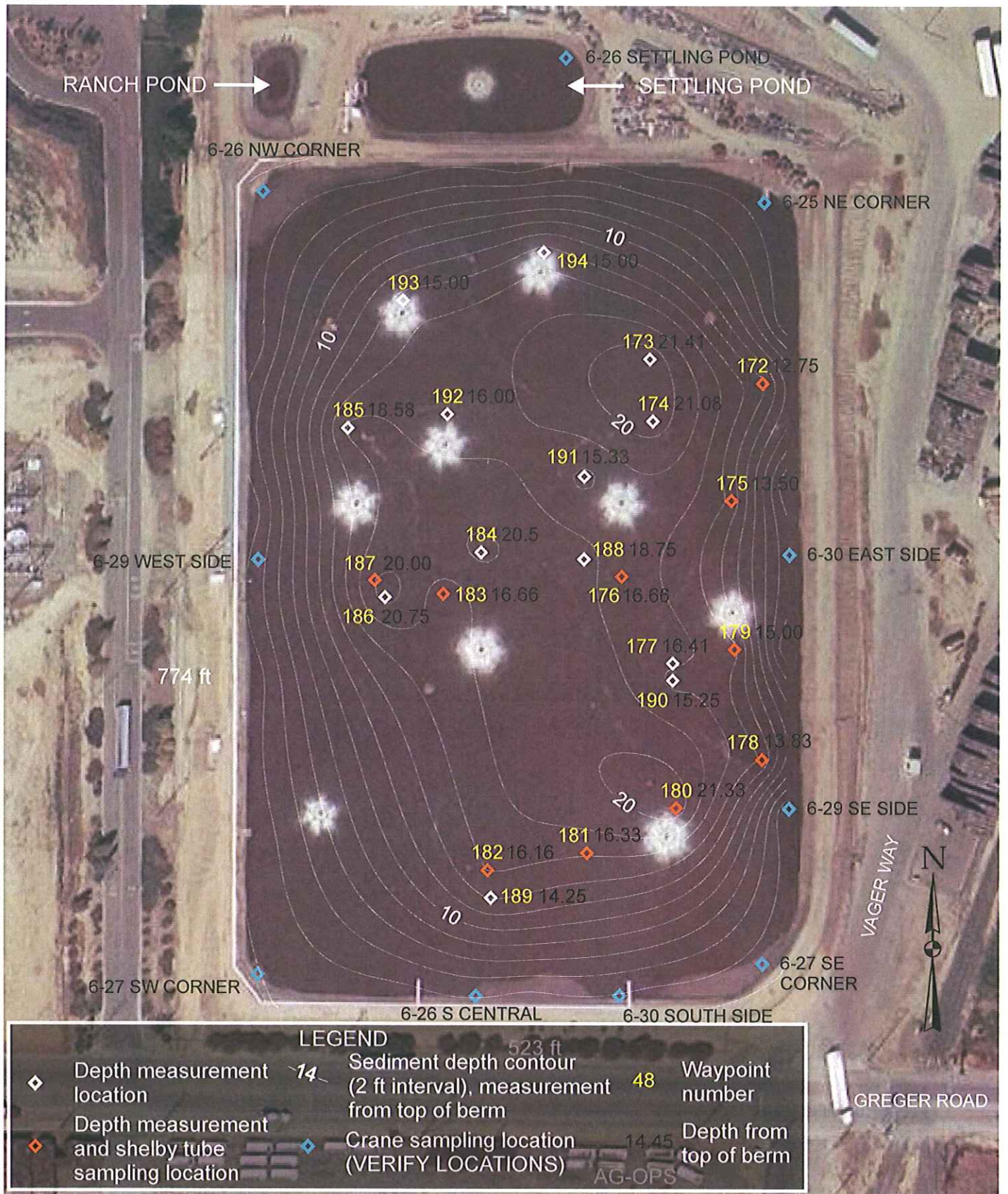


LEGEND	
◇	Depth measurement only
◆	Depth measurement and sample with soil sampling tube
—	Contour of sediment depth (2 ft interval), measurement from top of berm
48	Waypoint number
14.45	Depth from top of berm



DATE:07/20/2009
SCALE: 1":120'
PROJECT NO: 102-15
DRAWN: MM
CHECKED: PFD
FIGURE: 2

2007 AERATED POND SAMPLING AND MUD DEPTH MEASUREMENT CONTOURS
 CONAGRA FOODS, INC
 STANISLAUS COUNTY, CALIFORNIA



DATE:07/20/2009

SCALE: 1":120'

PROJECT NO: 102-19

DRAWN: MM

CHECKED: PFD

FIGURE: 3

2009 AERATED POND SAMPLING AND MUD DEPTH MEASUREMENT CONTOURS
 CONAGRA FOODS, INC
 STANISLAUS COUNTY, CALIFORNIA



DENELE ANALYTICAL, INC.

1232 South Ave. • Turlock, CA 95380 • Ph. (209) 634-9055 • Fax (209) 634-9057 • www.denelelabs.com

Grower: **V. A. RODDEN**

Lab # S73981902

Variety:

Date Received: 7/01/2009

Acres:

Date Completed: 7/01/2009

Yield: 40 Tons

Crop: Tomatoes

Sample ID: Bank Of Pond

Submitted By:

Analyzed By: Denele Agri-Link

MVAS-Linden

PO BOX 593

Linden, CA 95236

Jeff Groen

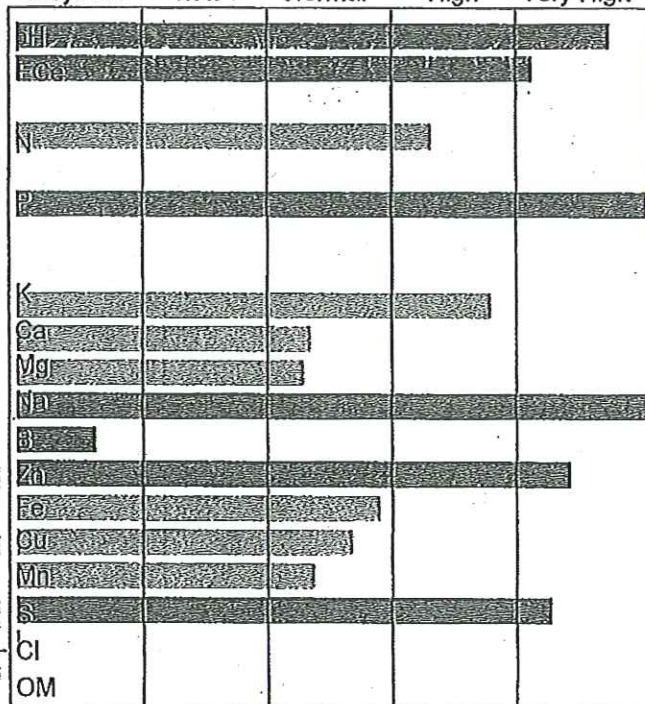
Soil Test Results

pH 8.3 su
 E.C.e 4.06 m.mhos
 Soluble Salts 2,598 ppm
 NO₃- Nitrate Nitrogen 66 ppm
 NH₄- Ammonium Nitrogen ppm
 PO₄- Olsen Phosphorus 114 ppm
 PO₄- Bray Phosphorus ppm

	Base Saturation % Yours	Optimum	Ammonium Acetate
K - Potassium	9.3	2 - 5 %	581 ppm
Ca - Calcium	66.9	65-80 %	2,140 ppm
Mg - Magnesium	12.8	10-20 %	249 ppm
Na - Sodium	10.9	0-5 %	401 ppm

B - Boron 0.06 ppm
 Zn - Zinc 45.0 ppm
 Fe - Iron 98.0 ppm
 Cu - Copper 8.6 ppm
 Mn - Manganese 17.0 ppm
 SO₄- Sulfate Sulfur 150 ppm
 Cl - Chloride meq/L
 Organic Matter %
 Cation Exchange Capacity meq/100 gm 16.0 (Est.)
 Percolation High
 Excess Carbonates Low
 Free Lime
 SMP Buffer pH

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	630 lbs/Acre
P	0 lbs/Acre	B	2.8 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	Tons/Acre

Notes:

The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

Every effort is taken to provide an accurate analysis of the sample provided. For reasonable cause a sample can be retested, but due to factors beyond our control in sampling procedures and the inherent variability of soil, our liability is limited to the price of the tests. Recommendations are to be used as general guides and should be modified for specific field conditions and application methods.

Reviewed/Approved by: **JOSHUA HUOT**



DENELE ANALYTICAL, INC.

1232 South Ave. • Turlock, CA 95380 • Ph. (209) 634-9055 • Fax (209) 634-9057 • www.denelelabs.com

PATHOLOGY ANALYSIS REPORT

Submitted by Jeff Groen Date Received: 6/24/2009
Company: Mid Valley Ag Service, Linden Date Reported: 7/1/2009
Grower: VA Rodden

Sample ID	Lab ID	Crop:	Analysis Performed:		Nematode
			Nematode	Results:	Units
BANK OF POND	V739819B	TOMATOES	No plant parasitic nematodes recovered	#/500 cc soil	
BOTTOM OF POND	V739819C	TOMATOES	No plant parasitic nematodes recovered	#/500 cc soil	

The nematodes present represent the sites sampled and the condition of the samples as received by Denele Analytical; therefore, they may not be representative of the total area in question. Further sampling from different areas of the same field, or at different times of the year may produce different results in both numbers and diversity of nematodes.

Joe Mullinax
Plant Pathologist

argon laboratories

13 August 2009

Jeff Schultz
ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

RE: ConAgra Oakdale Project Data

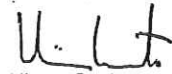
Enclosed are the results for sample(s) received on 07/15/09 09:25 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,



Hiram Cueto
Lab Manager

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff Schultz

Work Order No.:
J907029

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WP 183 Solids	J907029-03	Soil	07/14/09 16:18	07/15/09 09:25

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff SchultzWork Order No.:
J907029**ANALYSIS REPORT**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
WP 183 Solids (J907029-03) Soil Sampled: 14-Jul-09 16:18 Received: 15-Jul-09 09:25							
Chloride	54	10	mg/kg	1	30-Jul-09	EPA 300.0	
Sulfate	5.6	5.0	"	"	"	"	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

ConAgra Foods Inc. 554 S. Yosemite Ave Oakdale, CA 95361	Project Number: 102-10 Project Name: ConAgra Oakdale Project Manager: Jeff Schultz	Work Order No.: J907029
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Metals by WET Extraction

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
WP 183 Solids (J907029-03) Soil Sampled: 14-Jul-09 16:18 Received: 15-Jul-09 09:25							
Antimony	ND	0.2	mg/L	1	10-Aug-09	6020A / WET	
Arsenic	ND	0.1	"	"	"	"	
Barium	2.1	0.5	"	"	"	"	
Beryllium	ND	0.1	"	"	"	"	
Cadmium	ND	0.1	"	"	"	"	
Calcium	65	2.0	"	"	"	"	
Chromium	ND	0.1	"	"	"	"	
Cobalt	ND	0.1	"	"	"	"	
Copper	ND	0.2	"	"	"	"	
Iron	160	0.5	"	"	"	"	
Lead	ND	0.1	"	"	"	"	
Magnesium	22	2.0	"	"	"	"	
Manganese	4.3	0.5	"	"	"	"	
Mercury	ND	0.01	"	"	"	"	
Molybdenum	ND	0.1	"	"	"	"	
Nickel	0.4	0.1	"	"	"	"	
Potassium	13	2.0	"	"	"	"	
Selenium	ND	0.1	"	"	"	"	
Silver	ND	0.1	"	"	"	"	
Sodium	ND	5.0	"	"	"	"	
Thallium	ND	0.1	"	"	"	"	
Vanadium	0.4	0.1	"	"	"	"	
Zinc	1.8	0.5	"	"	"	"	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff Schultz

Work Order No.:
J907029

ANALYSIS REPORT - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch J901528 - General Prep

Blank (J901528-BLK1)

Prepared & Analyzed: 07/30/09

Chloride	ND	10	mg/kg							
Sulfate	ND	5.0	"							

LCS (J901528-BS1)

Prepared & Analyzed: 07/30/09

Chloride	23.4		mg/kg	25		94	80-120			
Sulfate	45.0		"	50		90	80-120			

LCS Dup (J901528-BSD1)

Prepared & Analyzed: 07/30/09

Chloride	24.1		mg/kg	25		96	80-120	3	20	
Sulfate	47.0		"	50		94	80-120	4	20	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

ConAgra Foods Inc. 554 S. Yosemite Ave Oakdale, CA 95361	Project Number: 102-10 Project Name: ConAgra Oakdale Project Manager: Jeff Schultz	Work Order No.: J907029
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Metals by WET Extraction - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch J901526 - WET (CA Title 22)

Blank (J901526-BLK1)

Prepared & Analyzed: 08/10/09

Antimony	ND	0.2	mg/L							
Arsenic	ND	0.1	"							
Barium	ND	0.5	"							
Beryllium	ND	0.1	"							
Cadmium	ND	0.1	"							
Calcium	ND	2.0	"							
Chromium	ND	0.1	"							
Cobalt	ND	0.1	"							
Copper	ND	0.2	"							
Iron	ND	0.5	"							
Lead	ND	0.1	"							
Magnesium	ND	2.0	"							
Manganese	ND	0.5	"							
Mercury	ND	0.01	"							
Molybdenum	ND	0.1	"							
Nickel	ND	0.1	"							
Potassium	ND	2.0	"							
Selenium	ND	0.1	"							
Silver	ND	0.1	"							
Sodium	ND	5.0	"							
Thallium	ND	0.1	"							
Vanadium	ND	0.1	"							
Zinc	ND	0.5	"							

LCS (J901526-BS1)

Prepared & Analyzed: 08/10/09

Antimony	9.1		mg/L	10	91	80-120	20
Arsenic	9.5		"	10	95	80-120	20
Barium	110		"	100	110	80-120	20
Beryllium	10.5		"	10	105	80-120	20
Cadmium	8.8		"	10	88	80-120	20
Calcium	970		"	1000	97	80-120	20
Chromium	9.9		"	10	99	80-120	20
Cobalt	10.7		"	10	107	80-120	20
Copper	11.5		"	10	115	80-120	20
Iron	111		"	100	111	80-120	20
Lead	9.1		"	10	91	80-120	20
Magnesium	93.0		"	100	93	80-120	20

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff Schultz

Work Order No.:
J907029

Metals by WET Extraction - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch J901526 - WET (CA Title 22)

LCS (J901526-BS1)

Prepared & Analyzed: 08/10/09

Manganese	94.0		mg/L	100	94	94	80-120		20	
Mercury	0.4		"	0.50	90	90	80-120		20	
Molybdenum	9.3		"	10	93	93	80-120		20	
Nickel	8.7		"	10	87	87	80-120		20	
Potassium	109		"	100	109	109	80-120		20	
Selenium	8.8		"	10	88	88	80-120		20	
Silver	8.7		"	10	87	87	80-120		20	
Sodium	890		"	1000	89	89	80-120		20	
Thallium	9.1		"	10	91	91	80-120		20	
Vanadium	10.8		"	10	108	108	80-120		20	
Zinc	95.0		"	100	95	95	80-120		20	

LCS Dup (J901526-BSD1)

Prepared & Analyzed: 08/10/09

Antimony	9.3		mg/L	10	93	93	80-120	2	20	
Arsenic	8.9		"	10	89	89	80-120	7	20	
Barium	115		"	100	115	115	80-120	4	20	
Beryllium	9.7		"	10	97	97	80-120	8	20	
Cadmium	9.3		"	10	93	93	80-120	6	20	
Calcium	1030		"	1000	103	103	80-120	6	20	
Chromium	9.7		"	10	97	97	80-120	2	20	
Cobalt	11.3		"	10	113	113	80-120	5	20	
Copper	10.6		"	10	106	106	80-120	8	20	
Iron	103		"	100	103	103	80-120	7	20	
Lead	8.8		"	10	88	88	80-120	3	20	
Magnesium	107		"	100	107	107	80-120	14	20	
Manganese	99.0		"	100	99	99	80-120	5	20	
Mercury	0.5		"	0.50	95	95	80-120	5	20	
Molybdenum	9.7		"	10	97	97	80-120	4	20	
Nickel	9.6		"	10	96	96	80-120	10	20	
Potassium	105		"	100	105	105	80-120	4	20	
Selenium	9.6		"	10	96	96	80-120	9	20	
Silver	8.5		"	10	85	85	80-120	2	20	
Sodium	920		"	1000	92	92	80-120	3	20	
Thallium	10.3		"	10	103	103	80-120	12	20	
Vanadium	10.3		"	10	103	103	80-120	5	20	
Zinc	91.0		"	100	91	91	80-120	4	20	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff Schultz

Work Order No.:
J907029

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories

28 July 2009

Jeff Schultz
ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

RE: ConAgra Oakdale Project Data

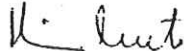
Enclosed are the results for sample(s) received on 07/15/09 09:25 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,



Hiram Cueto
Lab Manager

Argon Laboratories Sample Receipt Checklist

Client Name: ConAgra Oakdale Date & Time Received: 07/15/09 9:25

Project Name: ConAgra Aerated pond Soil Sampling Client Project Number: 102-19

Received By: S.H. Matrix: Water Soil Sludge

Sample Carrier: Client Laboratory Fed Ex UPS Other

Argon Labs Project Number: J907029

Shipper Container in good condition? N/A Yes No Samples received in proper containers? Yes No

Samples received intact? Yes No Sufficient sample volume for requested tests? Yes No

Samples received under refrigeration? Yes No Samples received within holding time? Yes No

Chain of custody present? Yes No Do samples contain proper preservative? N/A Yes No

Chain of Custody signed by all parties? Yes No Do VOA vials contain zero headspace? (None submitted) Yes No

Chain of Custody matches all sample labels? Yes No

ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW

Date Client Contacted: _____ Person Contacted: _____

Contacted By: _____ Subject: _____

Comments:

Action Taken:

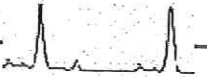
ADDITIONAL TEST(S) REQUEST / OTHER

Contacted By: _____ Date: _____ Time: _____

Call Received By: _____

Comments:

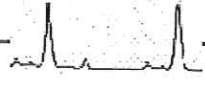


ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff SchultzWork Order No.:
J907029**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WP 187	J907029-01	Soil	07/14/09 16:38	07/15/09 09:25
WP 183 Sludge	J907029-02	Soil	07/14/09 16:18	07/15/09 09:25
WP 183 Solids	J907029-03	Soil	07/14/09 16:18	07/15/09 09:25

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359



ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff Schultz

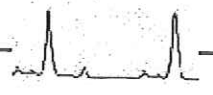
Work Order No.:
J907029

Metals

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
WP 187 (J907029-01) Soil Sampled: 14-Jul-09 16:38 Received: 15-Jul-09 09:25							
Antimony	ND	2.0	mg/kg	1	23-Jul-09	EPA 6020A	
Arsenic	1.2	1.0	"	"	"	"	
Barium	48	5.0	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	
Chromium	15	1.0	"	"	"	"	
Cobalt	2.1	1.0	"	"	"	"	
Copper	32	2.0	"	"	"	"	
Lead	1.7	1.0	"	"	"	"	
Mercury	ND	0.1	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	
Nickel	12	1.0	"	"	"	"	
Selenium	ND	1.0	"	"	"	"	
Silver	ND	1.0	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	
Vanadium	12	1.0	"	"	"	"	
inc	47	5.0	"	"	"	"	
WP 183 Sludge (J907029-02) Soil Sampled: 14-Jul-09 16:18 Received: 15-Jul-09 09:25							
Antimony	ND	2.0	mg/kg	1	23-Jul-09	EPA 6020A	
Arsenic	1.0	1.0	"	"	"	"	
Barium	35	5.0	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	
Chromium	11	1.0	"	"	"	"	
Cobalt	1.7	1.0	"	"	"	"	
Copper	24	2.0	"	"	"	"	
Lead	1.4	1.0	"	"	"	"	
Mercury	ND	0.1	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	
Nickel	8.8	1.0	"	"	"	"	
Selenium	ND	1.0	"	"	"	"	
Silver	ND	1.0	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	
Vanadium	8.4	1.0	"	"	"	"	
Zinc	39	5.0	"	"	"	"	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359



ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff Schultz

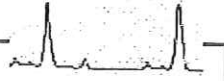
Work Order No.:
J907029

Metals

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
WP 183 Solids (J907029-03) Soil Sampled: 14-Jul-09 16:18 Received: 15-Jul-09 09:25							
Antimony	ND	2.0	mg/kg	1	23-Jul-09	EPA 6020A	
Arsenic	2.6	1.0	"	"	"	"	
Barium	50	5.0	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	
Chromium	17	1.0	"	"	"	"	
Cobalt	2.7	1.0	"	"	"	"	
Copper	31	2.0	"	"	"	"	
Lead	6.1	1.0	"	"	"	"	
Mercury	0.3	0.1	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	
Nickel	25	1.0	"	"	"	"	
Selenium	ND	1.0	"	"	"	"	
Silver	ND	1.0	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	
Vanadium	27	1.0	"	"	"	"	
inc	47	5.0	"	"	"	"	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359



ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff Schultz

Work Order No.:
J907029

Metals - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch J901393 - 3050B

Blank (J901393-BLK1)

Prepared: 07/22/09 Analyzed: 07/23/09

Antimony	ND	2.0	mg/kg							
Arsenic	ND	1.0	"							
Barium	ND	5.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	1.0	"							
Chromium	ND	1.0	"							
Cobalt	ND	1.0	"							
Copper	ND	2.0	"							
Lead	ND	1.0	"							
Mercury	ND	0.1	"							
Molybdenum	ND	1.0	"							
Nickel	ND	1.0	"							
Selenium	ND	1.0	"							
Iver	ND	1.0	"							
Thallium	ND	1.0	"							
Vanadium	ND	1.0	"							
Zinc	ND	5.0	"							

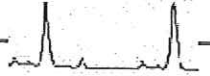
LCS (J901393-BS1)

Prepared: 07/22/09 Analyzed: 07/23/09

Antimony	9.50		mg/kg	10	95	80-120
Arsenic	11.1		"	10	111	80-120
Barium	102		"	100	102	80-120
Beryllium	9.20		"	10	92	80-120
Cadmium	9.60		"	10	96	80-120
Chromium	10.3		"	10	103	80-120
Cobalt	10.2		"	10	102	80-120
Copper	10.0		"	10	100	80-120
Lead	9.60		"	10	96	80-120
Mercury	0.53		"	0.50	106	80-120
Molybdenum	10.4		"	10	104	80-120
Nickel	10.2		"	10	102	80-120
Selenium	10.0		"	10	100	80-120
Silver	9.00		"	10	90	80-120
Thallium	12.7		"	10	127	80-120
Vanadium	10.0		"	10	100	80-120
Zinc	94.0		"	100	94	80-120

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359



ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff Schultz

Work Order No.:
J907029

Metals - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch J901393 - 3050B

LCS Dup (J901393-BSD1)

Prepared: 07/22/09 Analyzed: 07/23/09

Antimony	9.70		mg/kg	10		97	80-120	2	20	
Arsenic	11.0		"	10		110	80-120	0.9	20	
Barium	102		"	100		102	80-120	0	20	
Beryllium	9.20		"	10		92	80-120	0	20	
Cadmium	9.50		"	10		95	80-120	1	20	
Chromium	10.3		"	10		103	80-120	0	20	
Cobalt	10.2		"	10		102	80-120	0	20	
Copper	10.0		"	10		100	80-120	0	20	
Lead	9.60		"	10		96	80-120	0	20	
Mercury	0.51		"	0.50		102	80-120	4	20	
Molybdenum	10.4		"	10		104	80-120	0	20	
Nickel	10.2		"	10		102	80-120	0	20	
Selenium	9.90		"	10		99	80-120	1	20	
Silver	9.00		"	10		90	80-120	0	20	
Thallium	12.8		"	10		128	80-120	0.8	20	
Vanadium	10.0		"	10		100	80-120	0	20	
Zinc	94.0		"	100		94	80-120	0	20	

Matrix Spike (J901393-MS1)

Source: J907029-01

Prepared: 07/22/09 Analyzed: 07/23/09

Antimony	6.80		mg/kg	10	0.01	68	70-130			
Arsenic	11.9		"	10	0.01	119	70-130			
Barium	82.0		"	100	0.48	82	70-130			
Beryllium	8.50		"	10	ND	85	70-130			
Cadmium	7.90		"	10	0.002	79	70-130			
Chromium	8.35		"	10	0.15	82	70-130			
Cobalt	8.10		"	10	0.02	81	70-130			
Copper	8.90		"	10	0.32	86	70-130			
Lead	7.70		"	10	0.02	77	70-130			
Mercury	0.60		"	0.50	ND	119	70-130			
Molybdenum	8.40		"	10	0.005	84	70-130			
Nickel	8.10		"	10	0.12	80	70-130			
Selenium	8.20		"	10	ND	82	70-130			
Silver	0.00		"	10	ND		70-130			
Thallium	6.20		"	10	ND	62	70-130			
Vanadium	8.30		"	10	0.12	82	70-130			
Zinc	81.5		"	100	0.47	81	70-130			

QM-05

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359



ConAgra Foods Inc. 554 S. Yosemite Ave Oakdale, CA 95361	Project Number: 102-10 Project Name: ConAgra Oakdale Project Manager: Jeff Schultz	Work Order No.: J907029
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Metals - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch J901393 - 3050B


Matrix Spike Dup (J901393-MSD1)	Source: J907029-01			Prepared: 07/22/09		Analyzed: 07/23/09				
Antimony	6.70		mg/kg	10	0.01	67	70-130	1	20	
Arsenic	12.1		"	10	0.01	121	70-130	2	20	
Barium	83.0		"	100	0.48	83	70-130	1	20	
Beryllium	8.80		"	10	ND	88	70-130	3	20	
Cadmium	8.10		"	10	0.002	81	70-130	3	20	
Chromium	8.65		"	10	0.15	85	70-130	4	20	
Cobalt	8.30		"	10	0.02	83	70-130	2	20	
Copper	8.90		"	10	0.32	86	70-130	0	20	
Lead	7.90		"	10	0.02	79	70-130	3	20	
Mercury	0.61		"	0.50	ND	122	70-130	2	20	
Molybdenum	8.50		"	10	0.005	85	70-130	1	20	
Nickel	8.30		"	10	0.12	82	70-130	2	20	
Selenium	8.30		"	10	ND	83	70-130	1	20	
Silver	0.00		"	10	ND		70-130		20	
Thallium	6.20		"	10	ND	62	70-130	0	20	QM-05
Vanadium	8.50		"	10	0.12	84	70-130	2	20	
Zinc	87.5		"	100	0.47	87	70-130	7	20	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff Schultz



Work Order No.:
J907029

Notes and Definitions

- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories

13 August 2009

Jeff Schultz
ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

RE: ConAgra Aerated Pond Project Data

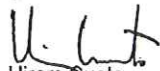
Enclosed are the results for sample(s) received on 07/15/09 15:40 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,



Hiram Cueto
Lab Manager

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-19
Project Name: ConAgra Aerated Pond
Project Manager: Jeff Schultz

Work Order No.:
J907033

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WP 179 -CAM 17	J907033-03	Soil	07/14/09 08:10	07/15/09 15:40
WP 175 -CAM 17	J907033-05	Soil	07/14/09 08:20	07/15/09 15:40
WP 178 -CAM 17	J907033-07	Soil	07/14/09 08:30	07/15/09 15:40

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

ConAgra Foods Inc. 554 S. Yosemite Ave Oakdale, CA 95361	Project Number: 102-19 Project Name: ConAgra Aerated Pond Project Manager: Jeff Schultz	Work Order No.: J907033
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ANALYSIS REPORT

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
WP 179 -CAM 17 (J907033-03) Soil Sampled: 14-Jul-09 08:10 Received: 15-Jul-09 15:40							
Chloride	65	10	mg/kg	1	30-Jul-09	EPA 300.0	
Sulfate	52	5.0	"	"	"	"	
WP 175 -CAM 17 (J907033-05) Soil Sampled: 14-Jul-09 08:20 Received: 15-Jul-09 15:40							
Chloride	65	10	mg/kg	1	30-Jul-09	EPA 300.0	
Sulfate	310	5.0	"	"	"	"	
WP 178 -CAM 17 (J907033-07) Soil Sampled: 14-Jul-09 08:30 Received: 15-Jul-09 15:40							
Chloride	84	10	mg/kg	1	30-Jul-09	EPA 300.0	
Sulfate	28	5.0	"	"	"	"	

Approved By
 Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-19
Project Name: ConAgra Aerated Pond
Project Manager: Jeff Schultz

Work Order No.:
J907033

Metals by WET Extraction

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
WP 179 -CAM 17 (J907033-03) Soil Sampled: 14-Jul-09 08:10 Received: 15-Jul-09 15:40							
Antimony	ND	0.2	mg/L	1	10-Aug-09	6020A / WET	
Arsenic	ND	0.1	"	"	"	"	
Barium	2.0	0.5	"	"	"	"	
Beryllium	ND	0.1	"	"	"	"	
Cadmium	ND	0.1	"	"	"	"	
Calcium	75	2.0	"	"	"	"	
Chromium	ND	0.1	"	"	"	"	
Cobalt	ND	0.1	"	"	"	"	
Copper	ND	0.2	"	"	"	"	
Iron	140	0.5	"	"	"	"	
Lead	ND	0.1	"	"	"	"	
Magnesium	22	2.0	"	"	"	"	
Manganese	3.5	0.5	"	"	"	"	
Mercury	ND	0.01	"	"	"	"	
Molybdenum	ND	0.1	"	"	"	"	
Nickel	0.2	0.1	"	"	"	"	
Potassium	13	2.0	"	"	"	"	
Selenium	ND	0.1	"	"	"	"	
Silver	ND	0.1	"	"	"	"	
Sodium	ND	5.0	"	"	"	"	
Thallium	ND	0.1	"	"	"	"	
Vanadium	0.3	0.1	"	"	"	"	
Zinc	1.6	0.5	"	"	"	"	

WP 175 -CAM 17 (J907033-05) Soil Sampled: 14-Jul-09 08:20 Received: 15-Jul-09 15:40

Antimony	ND	0.2	mg/L	1	10-Aug-09	6020A / WET	
Arsenic	ND	0.1	"	"	"	"	
Barium	1.7	0.5	"	"	"	"	
Beryllium	ND	0.1	"	"	"	"	
Cadmium	ND	0.1	"	"	"	"	
Calcium	46	2.0	"	"	"	"	
Chromium	ND	0.1	"	"	"	"	
Cobalt	ND	0.1	"	"	"	"	
Copper	ND	0.2	"	"	"	"	
Iron	170	0.5	"	"	"	"	
Lead	ND	0.1	"	"	"	"	
Magnesium	18	2.0	"	"	"	"	
Manganese	5.0	0.5	"	"	"	"	
Mercury	ND	0.01	"	"	"	"	
Molybdenum	ND	0.1	"	"	"	"	
Nickel	0.1	0.1	"	"	"	"	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

ConAgra Foods Inc. 554 S. Yosemite Ave Oakdale, CA 95361	Project Number: 102-19 Project Name: ConAgra Aerated Pond Project Manager: Jeff Schultz	Work Order No.: J907033
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Metals by WET Extraction

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
WP 175 -CAM 17 (J907033-05) Soil Sampled: 14-Jul-09 08:20 Received: 15-Jul-09 15:40							
Potassium	14	2.0	mg/L	1	10-Aug-09	6020A / WET	
Selenium	ND	0.1	"	"	"	"	
Silver	ND	0.1	"	"	"	"	
Sodium	ND	5.0	"	"	"	"	
Thallium	ND	0.1	"	"	"	"	
Vanadium	0.2	0.1	"	"	"	"	
Zinc	1.3	0.5	"	"	"	"	
WP 178 -CAM 17 (J907033-07) Soil Sampled: 14-Jul-09 08:30 Received: 15-Jul-09 15:40							
Antimony	ND	0.2	mg/L	1	10-Aug-09	6020A / WET	
Arsenic	ND	0.1	"	"	"	"	
Barium	1.9	0.5	"	"	"	"	
Beryllium	ND	0.1	"	"	"	"	
Cadmium	ND	0.1	"	"	"	"	
Calcium	45	2.0	"	"	"	"	
Chromium	ND	0.1	"	"	"	"	
cobalt	ND	0.1	"	"	"	"	
Copper	ND	0.2	"	"	"	"	
Iron	210	0.5	"	"	"	"	
Lead	ND	0.1	"	"	"	"	
Magnesium	21	2.0	"	"	"	"	
Manganese	6.0	0.5	"	"	"	"	
Mercury	ND	0.01	"	"	"	"	
Molybdenum	ND	0.1	"	"	"	"	
Nickel	0.2	0.1	"	"	"	"	
Potassium	15	2.0	"	"	"	"	
Selenium	ND	0.1	"	"	"	"	
Silver	ND	0.1	"	"	"	"	
Sodium	ND	5.0	"	"	"	"	
Thallium	ND	0.1	"	"	"	"	
Vanadium	0.2	0.1	"	"	"	"	
Zinc	1.5	0.5	"	"	"	"	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

ConAgra Foods Inc. 554 S. Yosemite Ave Oakdale, CA 95361	Project Number: 102-19 Project Name: ConAgra Aerated Pond Project Manager: Jeff Schultz	Work Order No.: J907033
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ANALYSIS REPORT - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch J901528 - General Prep

Blank (J901528-BLK1)		Prepared & Analyzed: 07/30/09								
Chloride	ND	10	mg/kg							
Sulfate	ND	5.0	"							

LCS (J901528-BS1)		Prepared & Analyzed: 07/30/09								
Chloride	23.4		mg/kg	25		94	80-120			
Sulfate	45.0		"	50		90	80-120			

LCS Dup (J901528-BSD1)		Prepared & Analyzed: 07/30/09								
Chloride	24.1		mg/kg	25		96	80-120	3	20	
Sulfate	47.0		"	50		94	80-120	4	20	

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Metals by WET Extraction - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch J901526 - WET (CA Title 22)

Blank (J901526-BLK1)

Prepared & Analyzed: 08/10/09

Antimony	ND	0.2	mg/L
Arsenic	ND	0.1	"
Barium	ND	0.5	"
Beryllium	ND	0.1	"
Cadmium	ND	0.1	"
Calcium	ND	2.0	"
Chromium	ND	0.1	"
Cobalt	ND	0.1	"
Copper	ND	0.2	"
Iron	ND	0.5	"
Lead	ND	0.1	"
Magnesium	ND	2.0	"
Manganese	ND	0.5	"
Mercury	ND	0.01	"
Molybdenum	ND	0.1	"
Nickel	ND	0.1	"
Potassium	ND	2.0	"
Selenium	ND	0.1	"
Silver	ND	0.1	"
Sodium	ND	5.0	"
Thallium	ND	0.1	"
Vanadium	ND	0.1	"
Zinc	ND	0.5	"

LCS (J901526-BS1)

Prepared & Analyzed: 08/10/09

Antimony	9.1	mg/L	10	91	80-120	20
Arsenic	9.5	"	10	95	80-120	20
Barium	110	"	100	110	80-120	20
Beryllium	10.5	"	10	105	80-120	20
Cadmium	8.8	"	10	88	80-120	20
Calcium	970	"	1000	97	80-120	20
Chromium	9.9	"	10	99	80-120	20
Cobalt	10.7	"	10	107	80-120	20
Copper	11.5	"	10	115	80-120	20
Iron	111	"	100	111	80-120	20
Lead	9.1	"	10	91	80-120	20
Magnesium	93.0	"	100	93	80-120	20

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Metals by WET Extraction - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch J901526 - WET (CA Title 22)

LCS (J901526-BS1)

Prepared & Analyzed: 08/10/09

Manganese	94.0		mg/L	100	94	94	80-120		20	
Mercury	0.4		"	0.50	90	90	80-120		20	
Molybdenum	9.3		"	10	93	93	80-120		20	
Nickel	8.7		"	10	87	87	80-120		20	
Potassium	109		"	100	109	109	80-120		20	
Selenium	8.8		"	10	88	88	80-120		20	
Silver	8.7		"	10	87	87	80-120		20	
Sodium	890		"	1000	89	89	80-120		20	
Thallium	9.1		"	10	91	91	80-120		20	
Vanadium	10.8		"	10	108	108	80-120		20	
Zinc	95.0		"	100	95	95	80-120		20	

LCS Dup (J901526-BS1)

Prepared & Analyzed: 08/10/09

Antimony	9.3		mg/L	10	93	93	80-120	2	20	
Arsenic	8.9		"	10	89	89	80-120	7	20	
Barium	115		"	100	115	115	80-120	4	20	
Beryllium	9.7		"	10	97	97	80-120	8	20	
Cadmium	9.3		"	10	93	93	80-120	6	20	
Calcium	1030		"	1000	103	103	80-120	6	20	
Chromium	9.7		"	10	97	97	80-120	2	20	
Cobalt	11.3		"	10	113	113	80-120	5	20	
Copper	10.6		"	10	106	106	80-120	8	20	
Iron	103		"	100	103	103	80-120	7	20	
Lead	8.8		"	10	88	88	80-120	3	20	
Magnesium	107		"	100	107	107	80-120	14	20	
Manganese	99.0		"	100	99	99	80-120	5	20	
Mercury	0.5		"	0.50	95	95	80-120	5	20	
Molybdenum	9.7		"	10	97	97	80-120	4	20	
Nickel	9.6		"	10	96	96	80-120	10	20	
Potassium	105		"	100	105	105	80-120	4	20	
Selenium	9.6		"	10	96	96	80-120	9	20	
Silver	8.5		"	10	85	85	80-120	2	20	
Sodium	920		"	1000	92	92	80-120	3	20	
Thallium	10.3		"	10	103	103	80-120	12	20	
Vanadium	10.3		"	10	103	103	80-120	5	20	
Zinc	91.0		"	100	91	91	80-120	4	20	

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Notes and Definitions

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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