Baker

Baker Environmental, Inc.
Airport Office Park, Building 3
420 Rouser Road
Coraopolis, Pennsylvania 15108

(412) 269-6000
FAX (412) 269-2002

September 2, 1993

Commander
Atlantic Division
Naval Facilities Engineering Command
1510 Gilbert Street (Building N-26)
Norfolk, Virginia 23511-6299

Attn: Ms. Linda Berry, P.E.
Code 1823

Re: Contract N62470-89-D-4814
Navy CLEAN, District III
Contract Task Order (CTO) 0003
IDW Sampling and Analysis
MCB Camp Lejeune, North Carolina

Dear Ms. Berry:

This letter report describes the sample collection activities, results, and recommendations for the disposition of investigative-derived waste (IDW) present at Lot 140, and at Sites 3, 7, 43, 44, 54, 63, 65, 80, 82, and 86, Marine Corps Base, Camp Lejeune, North Carolina. The IDW contained in these drums were generated during the period 1991 to 1992 by various contractors under contract with the Department of the Navy/Marine Corps. The project objectives were carried out in accordance with the Scope of Work, dated February 28, 1992, for Contract Task Order (CTO) 0003.

The primary objective of this task is to adequately characterize the contents of a total of 206, 55-gallon drums as to RCRA hazardous or nonhazardous status for the purpose of determining appropriate disposal requirements. This was achieved by sampling and analysis of representative drums, review of background analytical results associated with the various sites, and discussions with regulatory agencies (e.g., RCRA hotline, TSCA hotline) and TSDF personnel.

The remainder of this letter report describes the sample collection and analysis of the IDW, and summarizes the conclusions and recommendations with respect to IDW handling and disposal. Drum inventory logs and analytical results are provided in Attachments A and B, respectively.

SAMPLE COLLECTION and ANALYSIS

A total of four solid composite samples were obtained and analyzed for RCRA hazardous waste characteristics including TCLP, ignitability, corrosivity and reactivity. Four liquid samples were also obtained from drums containing liquid IDW. Of these four samples, three were composites and the fourth sample was from an unmarked/unknown drum at Storage Lot 140. All four samples were analyzed for the RCRA hazardous waste characteristics of ignitability, corrosivity, and reactivity. These eight samples (four

solids and four liquids) were collected so as to be representative of the 206 drums encountered at Lot 140, and the ten sites identified above.

Samples were collected by compositing like media (either solid or liquid) from the following locations: Lot 140; and Sites 3, 43, 44, 54, 63, 65, 80, and 82. Sites 7 and 86 were not composited with the other sites due to the nature of contaminated media associated with these two sites. Therefore, IDW characterization samples were collected separately at Sites 7 and 86.

All drums were labeled with an identification number corresponding to the site or location (as in the case with drums at Lot 140). The identification numbers and drum contents (i.e., solid or liquid) were documented in the field log book. This information is provided in Attachment A.

Compositing the IDW involved collecting samples from each site from those drums that represent a particular sampling activity (e.g., all solids IDW from well installations at Site 63 were composited). The composite sample representing either solid or liquid IDW from each site was then composited with either solid or liquid IDW from the remaining sites as appropriate, resulting in a total of eight samples.

Lot 140 IDW Analysis

Within Lot 140 are 136 drums containing solid IDW. Two drums did not include any identification; therefore, the contents were assumed to be non-IDW. Drum identification numbers and contents are provided in Attachment A. Eight of the 136 drums were chosen to be composited to represent solid IDW generated during the installation of the following Hadnot Point Wells: GW4-2, GW4-3, GW30-2, GW30-3, GW31-2, GW31-3, GW32-2, and GW32-3. Using a stainless steel trowel, one to two scoops of soil were collected from each drum and placed into a plastic bag. The soil within the plastic bags was then emptied into a compositing pan, mixed, and placed into sample containers. This sample was given the designation of CLJ-D-SC-01 and was analyzed for RCRA hazardous waste characteristics.

Results from the analysis of CLJ-D-SC-01 showed non-detects for the TCLP analysis, and a nonhazardous status for the other RCRA hazardous waste characteristics. These results are provided in Attachment B.

The two drums without identification were given the identification of 140-UN-1 and 140-UN-2. Drum 140-UN-1 contained 10 inches of liquid, and drum 140-UN-2 contained used Personnel Protective Equipment (PPE) and PVC pipe. Drum 140-UN-1 was sampled by placing a disposable bailer into the drum, obtaining the sample, and then placing the sample into the appropriate sample containers. This sample was given the sample designation CLJ-D-WC-04 and was analyzed for RCRA hazardous waste characteristics. Drum 140-UN-2 was not sampled due to the contents (tyvek and debris). It is believed that the debris was generated from the investigation that produced the 136 drums already at Lot 140 (i.e., 1990 investigations at Hadnot Point by ESE, Inc.).

Results from the analysis of CLJ-D-WC-04 showed a nonhazardous status for the RCRA hazardous waste characteristics of ignitability, reactivity, and corrosivity. The results are provided in Attachment B.

Sites 3, 43, 44, 54, 63, 65, 80, and 82 IDW Analysis

Sample CLJ-D-SC-02 was collected using a stainless steel trowel to obtain one to two scoops of solid IDW from each drum. The soils were placed into a plastic bag and stored on ice. This procedure was repeated at each site. Once the designated drums at each site were sampled, all of the plastic bags were then emptied into a compositing bowl, mixed thoroughly, and placed into the laboratory prepared bottles. Sample CLJ-D-SC-02 was analyzed for RCRA hazardous waste characteristics.

Sample CLJ-D-WC-01 was collected by placing a disposable bailer into the drums containing liquid IDW, obtaining the sample, and then placing a fractioned amount of the sample into the laboratory prepared bottles. This was repeated at each site. Sample CLJ-D-WC-01 was analyzed for the RCRA hazardous waste characteristics of ignitability, reactivity, and corrosivity.

Results from the analysis of CLJ-D-SC-02 showed non-detects for the TCLP analysis, and a nonhazardous status for the other RCRA hazardous waste characteristics. Results from the analysis of CLJ-D-WC-01 showed a nonhazardous status for the RCRA hazardous waste characteristics. These results are provided in Attachment B.

Site 7 IDW Analysis

Three drums were present at Site 7. A listing of drum identification numbers and IDW contents are provided in Attachment A.

Sample CLJ-D-SC-03 was collected using a stainless steel trowel to obtain one to two scoops of solid IDW from each drum. Once composited, the sample was analyzed for RCRA hazardous waste characteristics.

Sample CLJ-D-WC-02 was collected by placing a disposable bailer into the drum, obtaining the liquid sample, and then placing the sample into the laboratory prepared bottles. Sample CLJ-D-WC-02 was analyzed for the RCRA hazardous waste characteristics of ignitability, reactivity, and corrosivity.

Results from the analysis of CLJ-D-SC-03 showed non-detects for the TCLP analysis, and a nonhazardous status for the other RCRA hazardous waste characteristics. Results from the analysis of CLJ-D-WC-02 showed a nonhazardous status for the RCRA hazardous waste characteristics. These results are provided in Attachment B.

Site 86 IDW Analysis

Twenty eight drums were present at Site 86. A summary of drum identification numbers and contents are provided in Attachment A. Sample CLJ-D-SC-04 was collected using a stainless steel trowel to obtain one to two scoops from selected drums. Once composited, Sample CLJ-D-SC-04 was analyzed for RCRA hazardous waste characteristics.

Sample CLJ-D-WC-03 was collected by placing a disposable bailer into selected drums containing liquid IDW, obtaining the samples, and then placing the sample into the laboratory prepared bottles. Sample CLJ-D-WC-03 was analyzed for RCRA hazardous waste characteristics of ignitability, reactivity, and corrosivity.

Results from the analysis of CLJ-D-SC-04 showed non-detects for the TCLP analysis, and a nonhazardous status for the other RCRA hazardous waste characteristics. Results from the analysis of CLJ-D-WC-02 showed a nonhazardous status for the RCRA hazardous waste characteristics. These results are provided in Attachment B.

CONCLUSIONS

Sample analysis of representative IDW at Lot 140 and Sites 3, 7, 43, 44, 54, 63, 65, 80, 82, and 86 show non-detects for the Full TCLP parameters, and nonhazardous status for the other RCRA hazardous waste characteristics (corrosivity, ignitability, and reactivity). Table 1 lists the sample designation number, analytical parameters, and results.

TABLE 1
SUMMARY OF IDW SAMPLING

Sample Designation Lot/Site	Type of IDW	Analytical Parameters	Results
CLJ-D-SC-01 Lot 140	Solid	Full TCLP RCRA hwc.	Non-detect/TCLP Nonhazardous/RCRA
CLJ-D-SC-02 Sites 3, 43, 44, 54, 63, 65, 80, 82	Solid	Full TCLP RCRA hwc.	Non-detect/TCLP Nonhazardous/RCRA
CLJ-D-SC-03 Site 7	Solid	Full TCLP RCRA hwc.	Non-detect/TCLP Nonhazardous/RCRA
CLJ-D-SC-04 Site 86	Solid	Full TCLP RCRA hwc.	Non-detect/TCLP Nonhazardous/RCRA
CLJ-D-WC-01 Sites 3, 43, 44, 54, 63, 65, 80, 82	Liquid	RCRA hwc.	Nonhazardous/RCRA
CLJ-D-WC-02 Site 7	Liquid	RCRA hwc.	Nonhazardous/RCRA
CLJ-D-WC-03 Site 86	Liquid	RCRA hwc.	Nonhazardous/RCRA
CLJ-D-WC-04 Lot 140, unknown	Liquid	RCRA hwc.	Nonhazardous/RCRA

hwc - hazardous waste characteristics include corrosivity, ignitability, and reactivity

Although none of the IDW are characteristically hazardous, review of existing data from previous investigations (e.g., Site Inspection reports and Site Characterization reports) indicates the following:

- Soil samples collected at Sites 7, 80, and 82 exhibited PCBs in the soil samples. Since none of the PCB levels exceeded 49 ppm, the wastes do not have to be managed in accordance with TSCA.
- One groundwater sample collected from Site 82 exhibited trace levels of PCBs.
- One soil sample collected at Site 86 had detectable quantities of TPH above the North Carolina criteria of 10 ppm. Therefore, drums containing solid IDW may be contaminated with TPH.
- Groundwater samples collected at Site 86 exhibited elevated levels of volatile organic compounds. Therefore, development and purge water may be contaminated with VOCs.

Table 2 lists the sites of concern, previous sample identification numbers, media, and their corresponding contaminant levels. The presence of these contaminants in soil or groundwater was used in determining the appropriate disposition of IDW.

TABLE 2

SUMMARY OF TPH, PCBs, OR VOCs IN SOIL AND/OR GROUNDWATER

SITE	SAMPLE IDENTIFICATION	MEDIA	CONCENTRATION/ CONTAMINANT
SITE 7	SBO1-0002	SOLID	2.3 ppm AROCLOR 1260
SITE 7	SBO2-0002	SOLID	8.2 ppm AROCLOR 1260
SITE 7	SBO4-0002	SOLID	8.5 ppm AROCLOR 1260
SITE 7	SBO5-0002	SOLID	.120 ppm AROCLOR 1260
SITE 7	SBO5-0002 DUPLICATE	SOLID	.096 ppm AROCLOR 1260
SITE 7	SBO5-1012	SOLID	.660 ppm AROCLOR 1260
SITE 7	MWO2-0002	SOLID	12 ppm AROCLOR 1260
SITE 7	MWO2-7595	SOLID	25 ppm AROCLOR 1260

TABLE 2 (Continued)

SUMMARY OF TPH, PCBs, OR VOCs IN SOIL AND/OR GROUNDWATER

SITE	SAMPLE IDENTIFICATION	MEDIA	CONCENTRATION/ CONTAMINANT
SITE 80	MWO3-0002	SOLID	1.5 ppm AROCLOR 1254
SITE 80	SBO2-0002	SOLID	.830 ppm AROCLOR 1254
SITE 82	SBO2-0002	SOLID	1.9 ppm AROCLOR 1260
SITE 82	MWO2-0002	SOLID	.230 ppm AROCLOR 1260
SITE 82	GWO3	LIQUID	.015 ppm AROCLOR 1260
SITE 86	B2(4-6)	SOLID	124 ppm TPH
SITE 86	MW-2	LIQUID	350 ppb TOTAL VOCs

The following conclusions were developed based on the above information.

1. IDW (solid) that did not exhibit hazardous waste characteristics, and did not exhibit the presence of PCBs, TPH, or other hazardous substances can be disposed of as nonhazardous/non-contaminated soil at Lot 140 and/or Sites 3, 43, 63, and 65. This would include a total of 148 drums located at Lot 140 and Sites 3, 43, 63, and 65.

2. IDW (liquid) that did not exhibit hazardous waste characteristics, and did not exhibit the presence of PCBs, TPH, or other hazardous substances can be disposed of at the HPIA treatment plant, or taken back to the originating site and disposed of on the ground. This would include a total of 16 drums located at Lot 140 and Sites 3, 7, 44, 63, and 65.

3. IDW (solid) that did not exhibit hazardous waste characteristics, but did exhibit the presence of PCBs or TPH could be disposed of at the originating site, or disposed of in a landfill permitted to accept contaminated soil that is nonhazardous (e.g., Subtitle C landfill). This would include a total of 34 drums located at Sites 7, 80, 82, and 86.

4. IDW (liquid) that did not exhibit hazardous waste characteristics, but did contain the presence of hazardous substances (e.g., VOCs) can either be disposed of off site at a TSDF, or disposed of at the HPIA sewage treatment plant (STP) if it is determined by the STP operator that the level of contamination would not result in operational problems. This would include a total of 8 drums located at Sites 82 and 86.

RECOMMENDATIONS

1. Solid IDW generated at Sites 7 and 80 should be disposed of off site at a TSDF due to the presence of PCB in soils at these sites. Since the level of PCB is below 49 ppm, the soil would not have to be managed as a TSCA waste. Therefore, disposal costs should be minimal. This involves a total of 7 drums from the two sites. Although the

IDW is nonhazardous, it is not recommended that the PCB-contaminated IDW be disposed of at the originating site because of the site locations (near a residential complex and golf course). In addition, RI/FS activities at Sites 7 and 80 are not expected to begin until July 1995; therefore, placing contaminated soil back at the site for such a long period could potentially create a pathway by which contaminants may migrate from the area.

2. Solid IDW generated at Site 82 should be disposed of at Area of Concern No. 2, which is an area where PCB-contaminated soils will be remediated as part of the Record of Decision for OU No. 2. This involves a total of 4 drums.

3. Solid IDW generated at Site 86 should be disposed of off site at a TSDF due to the presence of TPH above the State action level of 10 ppm. Although the IDW is nonhazardous, it is not recommended that the TPH-contaminated IDW be disposed of at the originating site because of the site location (in an industrial area that is highly visible to base personnel). In addition, RI/FS activities at Site 86 are not expected to begin until December 1994; therefore, placing contaminated soil back at the site for such a long period could potentially create a pathway by which contaminants may migrate from the area, or impact groundwater quality. It should be noted that the determination to dispose of the IDW off site is based on previous sampling results which indicate that one soil sample exhibited TPH levels above 100 ppm. However, because none of the drums were marked, Baker could not determine which drums contain soil cuttings from this sampling location. Therefore, a conservative decision to assume that all soil may be contaminated with TPH was made. Given that Site 86 involved aboveground storage tanks, this decision is justifiable. This action would involve the disposal of 23 drums.

4. Solid IDW present at Lot 140 and Sites 3, 43, 63, and 65 can be disposed of at Lot 140, or the original site location. This involves the transport and disposal of approximately 148 drums by MCB Camp Lejeune.

5. Liquid IDW generated at Site 86 (TCE contamination in groundwater) and Site 82 (low levels of PCB) should be disposed of off site at a TSDF. This action would involve the disposal of 8 drums.

6. Liquid IDW generated at Sites 3, 7, 44, 54, 63, 65, and 80 should be taken to the HPIA STP for disposal. These liquid IDW are not hazardous and are essentially not contaminated.

DISPOSAL

If the above recommendations are approved by LANTDIV/MCB Camp Lejeune, Baker will arrange for a subcontractor to dispose of the wastes in conjunction with the disposal of IDW currently being generated as part of the ongoing groundwater investigation at Site 82. We anticipate that the disposal of the IDW drums could begin the week of September 20, 1993. The cost to dispose of the IDW drums recommended above should not exceed $9,000, based on discussions with one TSDF. Baker will solicit bids from more than one TSDF prior to subcontracting these services.

Please note that the scope of work to dispose of drums not requiring off site disposal was eliminated during negotiations at the request of LANTDIV. Therefore, drums not

recommended for off site disposal (see Recommendations No. 4 and No. 6) are the responsibility of MCB Camp Lejeune. However, additional money is available to dispose of these wastes since the disposal costs ($9,000) are projected to be less than the budgeted costs ($26,942). The unused portion of this budget (approximately $18,000) would cover labor and subcontracting services associated with these out of scope tasks. Baker will require approval from Code 02 prior to undertaking any out of scope services.

If you have any questions, please do not hesitate to contact me at (412) 269-2016.

Sincerely,

BAKER ENVIRONMENTAL, INC.

Raymond P. Wattras

Raymond P. Wattras
Project Manager

Attachments
RPW/lmn

cc: Mr. Neal Paul
Ms. Lee Anne Rapp (w/o attachments)
Ms. Beth Hacic (w/o attachments)

ATTACHMENT A

DRUM INVENTORY

ATTACHMENT A
DRUM INVENTORY AT LOT 140 AND
SITES 3, 7, 43, 44, 54, 63, 80, 82, AND 86

Drum Identification	Contents	Sampled Drum Number
LOT 140		
GW30-3 #1	SOLID	
MW30-3 #2	SOLID	
MW30-3 #3	SOLID	
MW30-3 #4	SOLID	
GW30-3 #5	SOLID	
GW30-3 #6	SOLID	
GW30-3 #7	SOLID	CLJ-D-SC-01
GW30-3 #8	SOLID	
GW30-3 #9	SOLID	
GW30-3 #10	SOLID	
GW30-3 #11	SOLID	
GW30-3 #12	SOLID	
GW30-3 #13	SOLID	
GW30-3 #14	SOLID	
GW30-2/3 #15	SOLID	
GW30-2/3 #16	SOLID	
GW30-2/3 #17	SOLID	
GW30-2 #18	SOLID	
GW30-2 #19	SOLID	
GW30-2 #20	SOLID	CLJ-D-SC-01
GW30-2 #21	SOLID	
GW30-2 #22	SOLID	
GW4-3 #23	SOLID	
GW4-3 #24	SOLID	
GW4-3 #25	SOLID	
GW4-3 #26	SOLID	
GW4-3 #27	SOLID	CLJ-D-SC-01
GW4-3 #28	SOLID	
GW4-3 #29	SOLID	
GW4-3 #30	SOLID	
GW4-3 #31	SOLID	
GW4-3 #32	SOLID	
GW4-3 #33	SOLID	
GW4-3 #34	SOLID	
GW4-3 #35	SOLID	
GW4-3 #36	SOLID	
GW4-3 #37	SOLID	
GW4-2 #38	SOLID	
GW4-3 #39	SOLID	
GW4-3 #40	SOLID	
GW4-3 #41	SOLID	
GW4-3 #42	SOLID	
GW4-2 #43	SOLID	
GW4-2 #44	SOLID	
GW4-3 #45	SOLID	
GW4-2 #46	SOLID	

ATTACHMENT A (Continued)
DRUM INVENTORY AT LOT 140 AND
SITES 3, 7, 43, 44, 54, 63, 80, 82, AND 86

Drum Identification	Contents	Sampled Drum Number
GW4-2 #47	SOLID	
GW4-2 #48	SOLID	
GW4-2 #49	SOLID	
GW4-2 #50	SOLID	
GW4-2 #51	SOLID	
GW4-2 #52	SOLID	
GW4-2 #53	SOLID	
GW4-2 #54	SOLID	
GW4-2 #55	SOLID	
GW4-2 #56	SOLID	CLJ-D-SC-01
GW4-2/3 #57	SOLID	
GW31-3 #58	SOLID	
GW31-3 #59	SOLID	
GW31-3 #60	SOLID	
GW31-3 #61	SOLID	
GW31-3 #62	SOLID	
GW31-3 #63	SOLID	
GW31-3 #64	SOLID	
GW31-3 #65	SOLID	
GW31-3 #66	SOLID	
GW31-3 #67	SOLID	
GW31-3 #68	SOLID	
GW31-3 #69	SOLID	
GW31-3 #70	SOLID	
GW31-3 #71	SOLID	
GW31-3 #72	SOLID	CLJ-D-SC-01
GW31-3 #73	SOLID	
GW31-3 #74	SOLID	
GW31-3 #76	SOLID	
GW31-3 #77	SOLID	
GW31-3 #78	SOLID	
GW31-3 #80	SOLID	
GW31-3 #81	SOLID	
GW31-3 #82	SOLID	
GW31-3 #83	SOLID	
GW31-3 #84	SOLID	
GW31-3 #85	SOLID	
GW31-3 #86	SOLID	
GW31-3 #87	SOLID	
GW31-3 #88	SOLID	
GW31-3 #89	SOLID	
GW31-3/2 #90	SOLID	CLJ-D-SC-01
GW31-2 #91	SOLID	
GW31-2 #92	SOLID	
GW4-3/2 #93	SOLID	
GW4-2/3 #94	SOLID	

ATTACHMENT A (Continued)
DRUM INVENTORY AT LOT 140 AND
SITES 3, 7, 43, 44, 54, 63, 80, 82, AND 86

Drum Identification	Contents	Sampled Drum Number
GW4-2/3 #95	SOLID	
GW31-2 #96	SOLID	
GW31-2 #97	SOLID	
GW31-2 #98	SOLID	
GW31-2 #99	SOLID	
GW31-3 #100	SOLID	
GW32-3 #101	SOLID	
GW32-3 #102	SOLID	
GW32-3 #103	SOLID	
GW32-3 #104	SOLID	
GW32-3 #105	SOLID	
GW32-3 #106	SOLID	
GW32-3 #107	SOLID	
GW32-3 #108	SOLID	
GW32-3 #109	SOLID	
GW32-3 #110	SOLID	
GW32-3 #111	SOLID	
GW32-3 #112	SOLID	
GW32-3 #113	SOLID	
GW32-3 #114	SOLID	
GW32-3 #115	SOLID	
GW32-3 #116	SOLID	
GW32-3 #117	SOLID	
GW32-3 #118	SOLID	
GW32-3 #119	SOLID	
GW32-3 #120	SOLID	
GW32-3 #121	SOLID	
GW32-3 #122	SOLID	
GW32-3 #123	SOLID	
GW32-3 #124	SOLID	
GW32-3 #125	SOLID	CLJ-D-SC-01
GW32-3 #126	SOLID	
GW32-2 #127	SOLID	
GW32-2 #128	SOLID	
GW32-2 #129	SOLID	
GW32-2 #130	SOLID	
GW32-2 #131	SOLID	
GW32-2 #132	SOLID	
GW32-2 #133	SOLID	CLJ-D-SC-01
GW32-3 #134	SOLID	
GW32-2 #135	SOLID	
GW32-2 #136	SOLID	
GW32-2 #137	SOLID	
GW32-2 #138	SOLID	
GW30-2/3 #139	SOLID	
MW30 (NON-NUMBERED)	SOLID	
140-UN-1	LIQUID	CLJ-D-WC-04
140-UN-2	PPE/DEBRIS	

ATTACHMENT A (Continued)
DRUM INVENTORY AT LOT 140 AND
SITES 3, 7, 43, 44, 54, 63, 80, 82, AND 86

Drum Identification	Contents	Sampled Drum Number
SITE 3		
3-1	SOLID	CLJ-D-SC-02
3-2	LIQUID	CLJ-D-WC-01
3-3	SOLID	CLJ-D-SC-02
3-4	LIQUID	CLJ-D-WC-01
3-5	SOLID	CLJ-D-SC-02
3-6	EMPTY	
SITE 7		
7-1	SOLID	CLJ-D-SC-03
7-2	LIQUID	CLJ-D-WC-02
7-3	SOLID	CLJ-D-SC-03
SITE 43		
43-1	SOLID	
43-2	EMPTY	
43-3	SOLID	CLJ-D-SC-02
43-4	SOLID	CLJ-D-SC-02
SITE 44		
44-1	LIQUID	CLJ-D-WC-01
44-2	LIQUID	
SITE 54		
54-1	LIQUID	CLJ-D-WC-01
SITE 63		
63-1	SOLID	CLJ-D-SC-02
63-2	LIQUID	CLJ-D-WC-01
63-3	SOLID	CLJ-D-SC-02
63-4	LIQUID	
63-5	LIQUID	
63-6	SOLID	CLJ-D-SC-02
SITE 65		
65-1	LIQUID	
65-2	SOLID	CLJ-D-SC-02
65-3	SOLID	
65-4	LIQUID	CLJ-D-WC-01
65-5	SOLID	CLJ-D-SC-02
SITE 80		
80-1	SOLID	CLJ-D-SC-02
80-2	LIQUID	
80-3	LIQUID	

ATTACHMENT A (Continued)
DRUM INVENTORY AT LOT 140 AND
SITES 3, 7, 43, 44, 54, 63, 80, 82, AND 86

Drum Identification	Contents	Sampled Drum Number
80-4	SOLID/LIQUID	
80-5	SOLID	CLJ-D-SC-02
80-6	SOLID	CLJ-D-SC-02
80-7	LIQUID	
80-8	LIQUID	
80-9	SOLID	
80-10	LIQUID	CLJ-D-WC-01
SITE 82		
82-1	EMPTY	
82-2	SOLID	CLJ-D-SC-02
82-3	EMPTY/BULLET HOLES	
82-4	LIQUID	CLJ-D-WC-01
82-5	SOLID	
82-6	SOLID	CLJ-D-SC-02
82-7	LIQUID	CLJ-D-WC-01
82-8	SOLID	
82-9	LIQUID	
SITE 86		
86-1	SOLID/DEBRIS	
86-2	LIQUID	CLJ-D-WC-03
86-3	SOLID	
86-4	SOLID	CLJ-D-SC-04
86-5	SOLID	
86-6	SOLID	
86-7	SOLID	
86-8	LIQUID	
86-9	SOLID	
86-10	SOLID	
86-11	SOLID	
86-12	SOLID	
86-13	SOLID	
86-14	SOLID	
86-15	SOLID	
86-16	SOLID	
86-17	SOLID	
86-18	LIQUID	CLJ-D-WC-03
86-19	SOLID	
86-20	SOLID	CLJ-D-SC-04
86-21	SOLID	
86-22	SOLID	
86-23	LIQUID	CLJ-D-WC-03
86-24	SOLID	
86-25	LIQUID	
86-26	SOLID	
86-27	SOLID	
86-28	SOLID	CLJ-D-SC-04

ATTACHMENT B

IDW ANALYTICAL RESULTS

IX
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CLJ-D-SC-01

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 19003 SAS No.: _____ SDG No.: CLJ-D-SC-01

Matrix: (soil/water) WATER Lab Sample ID: 930499-01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E9704

Level: (low/med) LOW Date Received: 08/03/93

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/04/93

GC Column: SP-1000 ID: 2.0(mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl Chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
56-23-5	Carbon Tetrachloride	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CLJ-D-SC-02

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 19003 SAS No.: _____ SDG No.: CLJ-D-SC-01

Matrix: (soil/water) WATER Lab Sample ID: 930499-02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E9705

Level: (low/med) LOW Date Received: 08/03/93

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: 08/04/93

GC Column: SP-1000 ID: 2.0(mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl Chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
56-23-5	Carbon Tetrachloride	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CLJ-D-SC-03

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 19003 SAS No.: _____ SDG No.: CLJ-D-SC-01

Matrix: (soil/water) WATER Lab Sample ID: 930499-03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E9706

Level: (low/med) LOW Date Received: 08/03/93

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/04/93

GC Column: SP-1000 ID: 2.0(mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl Chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
56-23-5	Carbon Tetrachloride	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U

1X
ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CLJ-D-SC-04

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 19003 SAS No.: _____ SDG No.: CLJ-D-SC-01

Matrix: (soil/water) WATER Lab Sample ID: 930499-04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E9707

Level: (low/med) LOW Date Received: 08/03/93

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: 08/04/93

GC Column: SP-1000 ID: 2.0(mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl Chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
56-23-5	Carbon Tetrachloride	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)

SEMIVOLATILE ORGANICS TARGET ANALYTES

Client: Baker Environmental

Client Sample ID: CLJ-D-SC-01

Laboratory ID: 930499-01

Concentration in: ug/L (ppb)

Date Sampled: 7/29/93

Date TCLP Performed: 8/04/93

Date Leachate Extracted: 8/09/93

Date Extract Analyzed: 8/12/93

Target Analyte	Sample Concentration	Method Reporting Limits
Pyridine	ND	33
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
2-Methylphenol	ND	33
3 & 4-Methylphenol	ND	33
Pentachlorophenol	ND	83
2,4,5-Trichlorophenol	ND	83
2,4,6-Trichlorophenol	ND	33

ND = Not detected

Reported by:_____ Approved by:_____

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)

SEMIVOLATILE ORGANICS TARGET ANALYTES

Client: Baker Environmental

Client Sample ID: CLJ-D-SC-02

Laboratory ID: 930499-02

Concentration in: ug/L (ppb)

Date Sampled: 7/30/93

Date TCLP Performed: 8/04/93

Date Leachate Extracted: 8/09/93

Date Extract Analyzed: 8/12/93

Target Analyte	Sample Concentration	Method Reporting Limits
Pyridine	ND	33
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
2-Methylphenol	ND	33
3 & 4-Methylphenol	ND	33
Pentachlorophenol	ND	83
2,4,5-Trichlorophenol	ND	83
2,4,6-Trichlorophenol	ND	33

ND = Not detected

Reported by:_____ Approved by:_____

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)

SEMIVOLATILE ORGANICS TARGET ANALYTES

Client: Baker Environmental

Client Sample ID: CLJ-D-SC-03

Laboratory ID: 930499-03

Concentration in: ug/L (ppb)

Date Sampled: 7/30/93

Date TCLP Performed: 8/04/93

Date Leachate Extracted: 8/09/93

Date Extract Analyzed: 8/12/93

Target Analyte	Sample Concentration	Method Reporting Limits
Pyridine	ND	33
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
2-Methylphenol	ND	33
3 & 4-Methylphenol	ND	33
Pentachlorophenol	ND	83
2,4,5-Trichlorophenol	ND	83
2,4,6-Trichlorophenol	ND	33

ND = Not detected

Reported by:_____ Approved by:_____

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)

SEMIVOLATILE ORGANICS TARGET ANALYTES

Client: Baker Environmental

Client Sample ID: CLJ-D-SC-04

Laboratory ID: 930499-04

Concentration in: ug/L (ppb)

Date Sampled: 7/30/93

Date TCLP Performed: 8/04/93

Date Leachate Extracted: 8/09/93

Date Extract Analyzed: 8/12/93

Target Analyte	Sample Concentration	Method Reporting Limits
Pyridine	ND	33
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
2-Methylphenol	ND	33
3 & 4-Methylphenol	ND	33
Pentachlorophenol	ND	83
2,4,5-Trichlorophenol	ND	83
2,4,6-Trichlorophenol	ND	33

ND = Not detected

Reported by:_____ Approved by:_____

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLJDSC01

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 19003 SAS No.: SDG No.: CLJDSC

Matrix: (soil/water) WATER Lab Sample ID: 930499-01

Sample wt/vol: 300.0 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 08/03/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/04/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/10/93

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	17	U
	Chlordane	1.7	U

FORM I PEST 3/90

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLJDSC02

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 19003 SAS No.: SDG No.: CLJDSC

Matrix: (soil/water) WATER Lab Sample ID: 930499-02

Sample wt/vol: 300.0 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 08/03/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/04/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/11/93

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	17	U
	Chlordane	1.7	U

FORM I PEST 3/90

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLJDSC03

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 19003 SAS No.: SDG No.: CLJDSC

Matrix: (soil/water) WATER Lab Sample ID: 930499-03

Sample wt/vol: 300.0 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 08/03/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/04/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/11/93

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	17	U
	Chlordane	1.7	U

FORM I PEST 3/90

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLJDSC04

Lab Name: CEIMIC CORP Contract: BAKER

Lab Code: CEIMIC Case No.: 19003 SAS No.: SDG No.: CLJDSC

Matrix: (soil/water) WATER Lab Sample ID: 930499-04

Sample wt/vol: 300.0 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 08/03/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/04/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/11/93

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	17	U
	Chlordane	1.7	U

FORM I PEST 3/90

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: Baker Environmental

Client ID: CLJ-D-SC-01

Laboratory ID: 930499-01

Date Sample Received: 7/29/93

Date Sample Prepared: 8/04/93

Date Sample Analyzed: 8/14/93

Concentration in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-D	ND	1.7
2,4,5-TP (Silvex)	ND	1.7

ND = Not detected

Reported by: X.S.

Approved by:

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: Baker Environmental

Client ID: CLJ-D-SC-02

Laboratory ID: 930499-02

Date Sample Received: 7/30/93

Date Sample Prepared: 8/04/93

Date Sample Analyzed: 8/14/93

Concentration in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-D	ND	1.7
2,4,5-TP (Silvex)	ND	1.7

ND = Not detected

Reported by: K-J

Approved by: [signature]

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: Baker Environmental

Client ID: CLJ-D-SC-03

Laboratory ID: 930499-03

Date Sample Received: 7/30/93

Date Sample Prepared: 8/04/93

Date Sample Analyzed: 8/14/93

Concentration in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-D	ND	1.7
2,4,5-TP (Silvex)	ND	1.7

ND = Not detected

Reported by: K.S.

Approved by:

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: Baker Environmental

Client ID: CLJ-D-SC-04

Laboratory ID: 930499-04

Date Sample Received: 7/30/93

Date Sample Prepared: 8/04/93

Date Sample Analyzed: 8/14/93

Concentration in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-D	ND	1.7
2,4,5-TP (Silvex)	ND	1.7

ND = Not detected

Reported by: X. S.

Approved by: Henry [illegible]

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)

METALS

EPA METHOD 1311

Client: Baker Environmental

Client Sample ID: CLJ-D-SC-01

Date Sample Received: 8/03/93 Laboratory ID: 930499-01

Date Analysis Completed: 8/11/93 Concentration in: mg/L (ppm)

Target Analyte	Sample Concentration	Method Reporting Limit
Arsenic	ND	0.2
Barium	0.35	0.01
Cadmium	ND	0.01
Chromium	0.05	0.02
Lead	ND	0.2
Mercury	ND	0.0009
Selenium	ND	0.3
Silver	ND	0.01

ND = Not detected

Reported by: Tm Approved by: MP

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)

METALS

EPA METHOD 1311

Client: Baker Environmental

Client Sample ID: CLJ-D-SC-02

Date Sample Received: 8/03/93 Laboratory ID: 930499-02

Date Analysis Completed: 8/11/93 Concentration in: mg/L (ppm)

Target Analyte	Sample Concentration	Method Reporting Limit
Arsenic	ND	0.2
Barium	0.16	0.01
Cadmium	ND	0.01
Chromium	ND	0.02
Lead	ND	0.2
Mercury	ND	0.0009
Selenium	ND	0.3
Silver	ND	0.01

ND = Not detected

Reported by: TM Approved by: MP

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)

METALS

EPA METHOD 1311

Client: Baker Environmental

Client Sample ID: CLJ-D-SC-03

Date Sample Received: 8/03/93 Laboratory ID: 930499-03

Date Analysis Completed: 8/11/93 Concentration in: mg/L (ppm)

Target Analyte	Sample Concentration	Method Reporting Limit
Arsenic	ND	0.2
Barium	0.26	0.01
Cadmium	ND	0.01
Chromium	ND	0.02
Lead	ND	0.2
Mercury	ND	0.0009
Selenium	ND	0.3
Silver	ND	0.01

ND = Not detected

Reported by: Tm Approved by: MP

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)

METALS

EPA METHOD 1311

Client: Baker Environmental

Client Sample ID: CLJ-D-SC-04

Date Sample Received: 8/03/93 Laboratory ID: 930499-04

Date Analysis Completed: 8/11/93 Concentration in: mg/L (ppm)

Target Analyte	Sample Concentration	Method Reporting Limit
Arsenic	ND	0.2
Barium	0.21	0.01
Cadmium	ND	0.01
Chromium	ND	0.02
Lead	ND	0.2
Mercury	ND	0.0009
Selenium	ND	0.3
Silver	ND	0.01

ND = Not detected

Reported by: Tz Approved by: MP

CEIMIC
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"Analytical Chemistry for Environmental Management"

INORGANIC ANALYTES

Client: Baker Environmental

Client ID: CLJ-D-SC-01

Laboratory ID: 930499-01

Date Sample Received: 8/03/93

Date Sampled: 7/29/93

Target Analyte	Result	Units	Method Reporting Limit	Date Analyzed
Flashpoint	NC	°F	200	8/11/93
pH	11.31	S.U.	---	8/04/93
Reactive Cyanide	ND	mg/kg*	0.6	8/09/93
Reactive Sulfide	ND	mg/kg*	3.0	8/04/93

NC = No combustion
ND = Not detected

* Reported on a dry weight basis, total solids = 40.5%

338

Reported by: Michael Sirenski

Approved by: Jeffrey D. Maymon

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CEIMIC
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INORGANIC ANALYTES

Client: Baker Environmental

Client ID: CLJ-D-SC-02

Laboratory ID: 930499-02

Date Sample Received: 8/03/93

Date Sampled: 7/30/93

Target Analyte	Result	Units	Method Reporting Limit	Date Analyzed
Flashpoint	NC	°F	200	8/11/93
pH	5.28	S.U.	---	8/04/93
Reactive Cyanide	ND	mg/kg*	0.3	8/09/93
Reactive Sulfide	ND	mg/kg*	1.7	8/04/93

NC = No combustion
ND = Not detected

* Reported on a dry weight basis, total solids = 75.0%

339

Reported by: Michael Siwanski Approved by: Jeffrey D. Maynor

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CEIMIC
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INORGANIC ANALYTES

Client: Baker Environmental

Client ID: CLJ-D-SC-03

Laboratory ID: 930499-03

Date Sample Received: 8/03/93

Date Sampled: 7/30/93

Target Analyte	Result	Units	Method Reporting Limit	Date Analyzed
Flashpoint	NC	°F	200	8/11/93
pH	4.61	S.U.	---	8/04/93
Reactive Cyanide	ND	mg/kg*	0.4	8/09/93
Reactive Sulfide	ND	mg/kg*	2.0	8/04/93

NC = No combustion
ND = Not detected

* Reported on a dry weight basis, total solids = 58.2%

390

Reported by: Michael Sirenski Approved by: Jeffrey D. Maymon

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INORGANIC ANALYTES

Client: Baker Environmental

Client ID: CLJ-D-SC-04

Laboratory ID: 930499-04

Date Sample Received: 8/03/93

Date Sampled: 7/30/93

Target Analyte	Result	Units	Method Reporting Limit	Date Analyzed
Flashpoint	NC	°F	200	8/11/93
pH	5.36	S.U.	---	8/04/93
Reactive Cyanide	ND	mg/kg*	0.3	8/09/93
Reactive Sulfide	ND	mg/kg*	1.7	8/04/93

NC = No combustion
ND = Not detected

* Reported on a dry weight basis, total solids = 69.5%

391

Reported by: Michael Sirenski

Approved by: Jeffrey D. Maymon

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CEIMIC
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INORGANIC ANALYTES

Client: Baker Environmental

Client ID: CLJ-D-WC-01

Laboratory ID: 930499-05

Date Sample Received: 8/03/93

Date Sampled: 7/30/93

Target Analyte	Result	Units	Method Reporting Limit	Date Analyzed
Flashpoint	NC	°F	200	8/11/93
pH	6.96	S.U.	---	8/04/93
Reactive Cyanide	ND	mg/kg*	0.3	8/09/93
Reactive Sulfide	ND	mg/kg*	1.3	8/04/93

NC = No combustion
ND = Not detected

* Reported on an "as is" basis.

392

Reported by: Michael Sinenski

Approved by: Jeffrey D. Maymon

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CEIMIC
CORPORATION
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INORGANIC ANALYTES

Client: Baker Environmental

Client ID: CLJ-D-WC-02

Laboratory ID: 930499-06

Date Sample Received: 8/03/93

Date Sampled: 7/30/93

Target Analyte	Result	Units	Method Reporting Limit	Date Analyzed
Flashpoint	NC	°F	200	8/11/93
pH	6.83	S.U.	---	8/06/93
Reactive Cyanide	ND	mg/kg*	0.3	8/09/93
Reactive Sulfide	ND	mg/kg*	1.2	8/04/93

NC = No combustion
ND = Not detected

* Reported on an "as is" basis.

Reported by: Michael Sirenski

Approved by: Jeffrey D. Maymon

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CEIMIC
CORPORATION
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INORGANIC ANALYTES

Client: Baker Environmental

Client ID: CLJ-D-WC-03

Laboratory ID: 930499-07

Date Sample Received: 8/03/93

Date Sampled: 7/30/93

Target Analyte	Result	Units	Method Reporting Limit	Date Analyzed
Flashpoint	NC	°F	200	8/11/93
pH	7.49	S.U.	---	8/04/93
Reactive Cyanide	ND	mg/kg*	0.3	8/09/93
Reactive Sulfide	ND	mg/kg*	1.3	8/04/93

NC = No combustion
ND = Not detected

* Reported on an "as is" basis.

394

Reported by: Michael Sirenski

Approved by: Jeffrey D. Mayman

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CEIMIC
CORPORATION
"Analytical Chemistry for Environmental Management"

INORGANIC ANALYTES

Client: Baker Environmental

Client ID: CLJ-D-WC-04

Laboratory ID: 930499-08

Date Sample Received: 8/03/93

Date Sampled: 7/30/93

Target Analyte	Result	Units	Method Reporting Limit	Date Analyzed
Flashpoint	NC	°F	200	8/11/93
pH	6.94	S.U.	---	8/04/93
Reactive Cyanide	ND	mg/kg*	0.3	8/09/93
Reactive Sulfide	ND	mg/kg*	1.2	8/04/93

NC = No combustion
ND = Not detected

* Reported on an "as is" basis.

395

Reported by: [signature]

Approved by: Jeffrey D. Mayman

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